# 233 LANDING ROAD

**BRONX, NEW YORK**

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# Remedial Investigation Report

**NYC VCP Site Number: 15RHAN334X**

**Prepared for:**

Bowery Residents' Committee

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# REMEDIAL INVESTIGATION REPORT

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# LIST OF ACRONYMS

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

# CERTIFICATION

I, Benjamin Alter, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 233 Landing Road Site, (NYC VCP Site No. 15RHAN334X). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Benjamin Alter, PG, Senior Vice President April 21, 2015

Qualified Environmental Professional Date Signature

# EXECUTIVE SUMMARY

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

**Site Location and Current Usage**

The Site is located at 233 Landing Road in the Fordham Manor section in Bronx, New York and is identified as Block 3236 and Lot 25 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 37,026 square feet in area and is bounded by Fordham Landing Park to the north, Landing Road to the south, Fordham Landing Park to the east, and the Major Deegan Expressway to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is used for parking and contains two temporary structures, a guard shack and a trailer.

**Summary of Proposed Redevelopment Plan**

The proposed future use of the Site will consist of a new 9-story residential building with a cellar. The new building will occupy approximately 60% of the property, with an upper and lower exterior recreation yard, entrances and landscaping composing the remaining 40%. The building will include a cellar, with uses to include offices, conference room, community room, storage, laundry, bicycle storage, compactor room, and utility rooms. Excavation will be down to approximately thirteen feet for footings and foundation. Excavation is not anticipated to extend below the groundwater table. Layout of the proposed site development is presented in Figure 3. The current zoning designation is featured commercial property (C2-4/R7-1). The proposed use is consistent with existing zoning for the property.

**Summary of Past Uses of Site and Areas of Concern**

Based on historical sources and previous investigation reports, the Site was first developed between 1912 and 1914 with a building labeled “Engine Room” and a ten million cubic foot (cu.ft.) above ground, steel gas holder. This holder and engine room were part of the Consolidated Gas Company Knightsbridge Station. The gas holder was decommissioned in 1950 when the Site property was sold to the City of New York. The Site building was subsequently occupied by New York University Engineering Research Department. Between 1954 and 1961, a portion of the Site was taken over in the construction of Major Deegan Expressway to the west. Between 1984 and 1986 the on-Site

building was demolished. The Site has been used a parking lot since then. Onsite structures include a guard shack and a vacant staged trailer.

Based on information gathered during GZA's Phase I ESA dated October 29, 2014, the Areas of Concern (AOCs) identified for this site includes:

1. Previous Site investigations identified contaminated soil onsite, as well as volatile organic compounds (VOCs) in soil gas that have the potential to create vapor intrusion conditions in any permanent structures constructed on the Site.

**Summary of the Work Performed under the Remedial Investigation**

GZA GeoEnvironmental, Inc. performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed seven soil borings across the project Site, and collected fourteen soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed two groundwater monitoring wells on the Site to establish groundwater flow and collected two groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed four soil vapor probes around Site perimeter and collected four samples for chemical analysis to evaluate the potential for vapor intrusion conditions in the proposed structure.

**Summary of Environmental Findings**

1. Elevation of the property ranges from 30 to 60 feet.
2. Depth to groundwater ranges from 25.2 to 26.1 feet at the Site.
3. Groundwater flow is generally from southeast to northwest beneath the Site.
4. Bedrock was not encountered during the site investigation.
5. The stratigraphy of the site, from the surface down, consists of fill material consisting of asphalt, brick, concrete, gravel, glass and coarse sand to a depth of 15 feet below ground surface (bgs)

6. Soil/fill samples collected during the remedial investigation were compared to 6NYCRR Part 375-6.8 Track 1 Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Track 2 Restricted Residential Use SCOs. Samples showed that five volatile organic compounds, (VOCs), namely acetone, benzene, toluene, trichloroethene and xylenes were detected above their Unrestricted Use SCO in one or more of samples SB-1(1.5-2.0), SB-2(14.5-15.0) and SB-6(14.5-15.0). PCBs were detected in one sample (SB-3 (1.5-2.0)) above its UUSCO but below its Restricted Residential Use SCO (RUSCO). Several metals including copper, lead, mercury, nickel and zinc were detected at concentrations exceeding their Unrestricted Use SCOs in one or more soil samples. No other metals were detected in soil at concentrations above their RRSCOs. Semi-Volatile Organic Compounds (SVOCs) were detected in four samples: SB-1 (1.5-2.0), SB-4 (1.5-2.0), SB-4 (14.5-15.0), and SB-7(14.5-15.0). Benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected above the RUSCOs in these samples..

7. Groundwater samples were compared to New York State Groundwater Standards. Samples TW-1 and TW-2 had exceedances of the following total and dissolved metals above the Ambient Water Quality Standards (AWQS): iron, magnesium, manganese and sodium..

8. Soil vapor samples collected during the RI were compared to the compounds listed in Matrices 1 and 2 in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion. The highest reported concentrations were for 1,2,4-trimethylbenze at 1010 $\mu g/m^3$, which was detected soil vapor sample. Soil vapor samples showed several compounds at moderate concentrations. Petroleum-related VOCs, (BTEX) were detected at a maximum concentration of 1373 $\mu g/m^3$. Chlorinated trichloroethene (TCE) was detected in two soil vapor samples at a maximum concentration of 174 $\mu g/m^3$ which is above the NYSDOH matrix 2 limit.

REMEDIAL INVESTIGATION REPORT

# 1.0 SITE BACKGROUND

Bowery Residents' Committee has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.85-acre site located at 233 Landing Road in Fordham Manor section of Bronx, New York. Residential use is proposed for the property. The RI work was performed between March 30, 2015 and March 31, 2015. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

## 1.1 Site Location and Current Usage

The Site is located at 233 Landing Road in the Fordham Manor section in Bronx, New York and is identified as Block 3236 and Lot 25 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 37,026-square feet in area and is bounded by Fordham Landing Park to the north, Landing Road to the south, Fordham Landing Park to the east, and the Major Deegan Expressway to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is used for parking and contains two temporary structures; a guard shack and a trailer.

## 1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a new 9-story residential building with a cellar. The new building will occupy approximately 60% of the property, with an upper and lower exterior recreation yard, entrances and landscaping composing the remaining 40%. The building will include a cellar, with uses to include offices, conference room, community room, storage, laundry, bicycle storage, compactor room, and utility rooms. Excavation will be down to approximately thirteen feet for footings and foundation. Excavation is not anticipated to extend below the groundwater table. Layout of the proposed site development is presented in Figure 3. The current zoning designation is featured commercial property (C2-4/R7-1). The proposed use is consistent with existing zoning for the property.

## 1.3 Description of Surrounding Property

Adjoining properties consist of the Major Deegan Expressway, retail and commercial buildings and Fordham Landing Park. Surrounding properties are residential, retail and commercial.

**Sensitive Receptors**

Sensitive receptors including schools, hospitals and day care facilities were not identified within a 500-foot radius from the Site. The Site is zoned as commercial. The surrounding areas are zoned as commercial and residential. There are several residential apartment buildings located in the 500-foot radius and Fordham Landing Park adjoins the Site to north and east. The Harlem River is located less than 500 feet west of the Site. There are no other streams or wetlands within the 500-foot radius of the Site.

## 2.0 SITE HISTORY

### 2.1 Past Uses and Ownership

Based on the historical sources and previous investigation reports, the Site was first developed between 1912 and 1914 with a building labeled “Engine Room” and a ten million cubic foot (cu.ft.) above ground, steel gas holder. This holder and engine room were part of the Consolidated Gas Company Knightsbridge Station. The gas holder was decommissioned in 1950 when the Site property was sold to the City of New York. The Site building was subsequently occupied by New York University Engineering Research Department. Between 1954 and 1961, a portion of the Site was taken over in the construction of Major Deegan Expressway to the west. Between 1984 and 1986 the on-Site building was demolished. The Site is used for parking and contains two temporary structures, a guard shack and a trailer 2.2 Previous Investigations

Site Characterization Report, Kingsbridge Station, dated October 1, 2004, prepared by GEI Consultants

GEI performed due diligence on behalf of Con Edison for several connected properties collectively known as the Kingsbridge Holder Station. According to this report, the Site formerly contained a building associated with a gas holder that was mostly located just north of the Site and whose southern edge was on the Site.

GEI’s Site Characterization entailed the installation of numerous boreholes and groundwater monitoring wells in the former Kingsbridge Holder Station. As part of that effort, two boreholes and one permanent groundwater monitoring well were installed on the Site. Two soil samples contained several SVOCs at concentrations above the New York State Department of Environmental Conservation (NYSDEC) standards in effect at that time. None of the soil samples were collected near the surface.

The monitoring well was installed in the southeast corner of the Site. The groundwater sample collected from the monitoring well was analyzed for VOCs, SVOCs, polychlorinated biphenyls (PCBs), and Target Analyte List (TAL) metals. The sample did not contain exceedances of any targeted compounds.

Based on the results from this report, NYSDEC issued a No Further Action (NFA) letter with a Covenant Not To Sue on September 12, 2005 to Con Edison for Kingsbridge Holder Station, which includes the Site.

Limited Site Investigation Report 233 Landing Road Bronx, NY dated May 15, 2014 prepared by GZA GeoEnvironmental Inc.

GZA conducted a limited Phase II Site Investigation at the Site in April, 2014. The investigation included the installation of four soil borings, one temporary well point and one soil vapor sampling point. Six soil samples, one groundwater sample and one soil vapor sample were collected. GZA's investigation detected historic urban fill typical of soil with a long industrial history. Several SVOCs were detected in concentrations exceeding all regulatory criteria in deeper soils. Copper and mercury were also detected in concentration levels exceeding regulatory criteria in deeper soil samples. No exceedances of any targeted compounds were detected in groundwater, except for certain metals whose presence may be indicative of background conditions. Several VOCs were present in a soil gas sample at concentrations above State guidelines.

## 2.3 Site Inspection

The Site inspection was conducted by GZA Scientist I Carlos Garcia on March 30, 2015 prior to the commencement of field activities under the direction of the Qualified Environmental Professional (QEP). No additional areas of concern were identified during the site inspection.

## 2.4 Areas of Concern

Based on information gathered during GZA's Phase I ESA dated October 29, 2014, the AOCs identified for this site includes:

2. Previous Site investigations identified contaminated soil onsite, as well as volatile organic compounds (VOCs) in soil gas that have the potential to create vapor intrusion conditions in any permanent structures constructed on the Site.

GZA's Phase 1 Report is presented in Appendix A.

# 3.0 PROJECT MANAGEMENT

## 3.1 Project Organization

The Qualified Environmental Professional (QEP) responsible for preparation of this RIR is Benjamin Alter.

## 3.2 Health and Safety

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. The Health and Safety Plan (HASP) is included in Appendix B.

## 3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations.

Hazardous waste, concentrated solid or semi-solid substances, soils with free product or NAPL and/or grossly contaminated media were not generated during the investigation.

## 4.0 REMEDIAL INVESTIGATION ACTIVITIES

GZA GeoEnvironmental, Inc. performed the following scope of work:

5. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
6. Installed seven soil borings across the project Site, and collected fourteen soil samples for chemical analysis from the soil borings to evaluate soil quality;
7. Installed two groundwater monitoring wells on the Site to establish groundwater flow and collected two groundwater samples for chemical analysis to evaluate groundwater quality;
8. Installed four soil vapor probes around Site perimeter and collected four samples for chemical analysis to evaluate the potential for vapor intrusion conditions in the proposed structure.

### 4.1 Geophysical Investigation

A geophysical study was not performed.

### 4.2 Borings and Monitoring Wells

**Drilling and Soil Logging**

GZA prepared boring logs for all soil borings and monitoring wells to document subsurface conditions. Boring logs include a description of the following: soil types and non-soil materials; soil screening results from field instrument measurements (i.e. photoionization detector); depth to groundwater; presence of odor, vapors, soil discoloration; and presence of free and/or residual product. Boring logs prepared by GZA Engineer Arsheen Ehtesham are attached in Appendix C. A map showing the location of soil borings and monitoring wells is shown in Figure 4. Construction details for soil borings and monitoring wells and that have been built and/or used during this RIR are included in Table 2. Based on visual, olfactory, and PID evaluations, soil samples showed no evidence of vapors, presence of odors, soil discoloration, presence of free product or presence of residual product.

**Groundwater Monitoring Well Construction**

Two 1.25 inch-diameter temporary groundwater monitoring wells were installed. Properly sized screen and silica sand pack were used for noted site conditions. The temporary wells were installed to a depth of 30 feet bgs and screened from 20 to 30 feet bgs. Monitoring well locations are shown in Figure 4.

**Survey**

Each sample point location at the site was accurately measured to fixed benchmarks (i.e., select properly lines, adjacent structures, etc.) or by a precision GPS that is capable of coordinating a fixed point with within +/- 10 feet.

**Water Level Measurement**

The groundwater well points were gauged with a water level meter to record a depth to groundwater reading (1/100 foot), and if necessary, an interface meter to determine the thickness of LNAPL or DNAPL. Water level data is included in Table 4.

## 4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

**Soil Sampling**

Fourteen soil samples were collected for chemical analysis during this RI. These included seven shallow soil samples from 0-2 feet bgs, and seven soil samples from the two foot interval beneath the proposed maximum excavation depth (13-15 feet bgs). Sampling equipment was decontaminated off-site by O'Rourke Inc. Decontaminated stainless steel spoons and bowls were used during sample collections. Samples were stored in laboratory provided glass jars and transported to the lab under chain of custody procedures.

Soil samples collected during all invasive investigation were screened by visual and olfactory means and using a calibrated PID. Soil samples were collected from the surface and an additional sample was collected from the two foot interval beneath the proposed maximum excavation depth. Results of soil screening are recorded on the soil boring logs. A field blank was collected for each analyte on every day soil sampling was performed.

Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Table 3. Figure 4 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

**Groundwater Sampling**

Two one-inch-diameter temporary groundwater monitoring wells were installed. Properly sized screen and silica sand pack were used for noted site conditions. The well point was developed with a peristaltic pump until the water is clear, or for five well volumes, whichever occurred first. A representative groundwater sample was collected from each well with a peristaltic pump and dedicated tubing. Sampling was conducted in accordance with NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation, dated May 2010, and Sampling Guidelines and Protocols, dated March 1991. Groundwater wells were gauged with a water level meter to record a depth to groundwater reading (1/100 foot), and if necessary, an interface meter to determine the thickness of LNAPL or DNAPL. Two groundwater samples were collected for chemical analysis during this RI. Groundwater sample collection data is reported in Table 3. Figure 4 shows the locations of groundwater sampling. Laboratories and analytical methods are shown below.

**Soil Vapor Sampling**

Four soil vapor probes were installed and four soil vapor samples were collected for chemical analysis during this RI. Prior to soil vapor sample collection, soil vapor well and ambient air were screened using a calibrated PID. Twenty-four hours following soil vapor probe installation, one to three implant volumes were purged prior to the collection of the soil gas samples. As part of the vapor intrusion evaluation, a tracer gas was used in accordance with NYSDOH protocols to serve as a quality assurance/quality control (QA/QC) device to verify the integrity of the soil vapor probe seal. A container (PVC shroud) was used to keep the tracer gas in contact with the probe during testing. A portable monitoring device was used to analyze a sample of soil vapor for the tracer gas prior to

sampling. Soil vapor sampling was performed using a flow controlled summa canister. Sample was collected at a rate less than 0.2 L/min.

Soil vapor sampling locations are shown in Figure 4. Soil vapor sample collection data is reported in Table 3. Soil vapor sampling logs are included in Appendix D. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

**Chemical Analysis**

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

| Factor | Description |
|---|---|
| Quality Assurance Officer | The chemical analytical quality assurance is directed by Christopher J. Anderson and Lisa Westerlind (Alpha Analytical). |
| Chemical Analytical Laboratory | Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and was Alpha Analytical (certification No: 11148). |
| Chemical Analytical Methods | Soil analytical methods:<br>• TAL Metals by EPA Method 6010C (rev. 2007);<br>• VOCs by EPA Method 8260C (rev. 2006);<br>• SVOCs by EPA Method 8270D (rev. 2007);<br>• Pesticides by EPA Method 8081B (rev. 2000);<br>• PCBs by EPA Method 8082A (rev. 2000);<br>Groundwater analytical methods:<br>• TAL Metals by EPA Method 6010C (rev. 2007);<br>• VOCs by EPA Method 8260C (rev. 2006);<br>• SVOCs by EPA Method 8270D (rev. 2007);<br>• Pesticides by EPA Method 8081B (rev. 2000);<br>• PCBs by EPA Method 8082A (rev. 2000);<br>Soil vapor analytical methods:<br>• VOCs by TO-15 VOC parameters. |

**Results of Chemical Analyses**

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 5, 6 and 7, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendices E and F

## 5.0 ENVIRONMENTAL EVALUATION

### 5.1 Geological and Hydrogeological Conditions

According to the United States Geological Survey (USGS) Map, Central Park, NY-NJ quadrangle, dated 2013, the Site is at an approximate elevation of 30-60feet above mean sea level (MSL). The area elevation slopes upward to the east and north and downward to the west and south. The Harlem River is located less than 500 feet west of the Site.

**Stratigraphy**

Soil information provided by the Soil Conservation Service STATSGO database classifies soils in the vicinity of the Site as "urban land." Urban land is defined as land with buildings, roads, driveways, parking lots, or other manmade structures. Urban land refers to soils that have been altered or filled by human activities making them unidentifiable from the native conditions (e.g., urban fill).

According to the USGS Bedrock Geologic Maps of Bronx County (Charles Baskerville, 1992), Bronx County is underlain by high grade metamorphic bedrock consisting of a sequence of Cambrian and Ordovician gneiss, schistose-gneiss, and marble. The bedrock beneath the Site is expected to be the Fordham Gneiss (Member B) and located approximately 30 feet below grade. The Fordham Gneiss is a complex banded gneiss typically consisting of alternating quartz, plagioclase and biotite felsic bands with garnet, quartz, plagioclase, muscovite and microcline leucosomes.

The geologic contacts display a series of northwest trending asymmetric southwestward plunging synforms and antiforms. The southeast facing limbs of these folds are generally gently dipping and the northwest facing limbs are steeper. The northwest trending folds have resulted in a series of northwest trending valleys and ridges.

During GZA's investigation, fill material was encountered below the asphalt surface to depths of 15 feet bgs. Sand and gravel were encountered intermingled with fill materials in all boreholes.

**Hydrogeology**

Groundwater in Bronx County occurs within the unconsolidated sediments and generally occurs from 10 to 20 feet below ground surface. Groundwater also occurs in bedrock within secondary permeability zones such as fractures, faults and foliation planes.

Previous sub-surface investigations conducted by GEI Consultants Inc. (GEI) and GZA encountered groundwater at 18' and 19' below grade (bg) and calculated that groundwater generally flows to the

northwest on the Site. Estimated groundwater levels and/or flow direction(s) may vary due to seasonal fluctuations in precipitation, local usage demands, geology, underground structures, or dewatering operations.

A table of water level data for all monitor wells is included in Table 4. The average depth to groundwater is 25.6 feet.

## 5.2 Soil Chemistry

Upon analysis of collected samples, several elevated concentrations of contaminants were identified in the soils. Elevated concentrations of metals including zinc, nickel, mercury, lead and copper were identified in the soil samples collected. Elevated levels of copper, above the Unrestricted Use Soil Cleanup Objective (UUSCO) of 50 part per million (ppm), were identified in samples SB-3 (14.5-15.0) (100 ppm), SB-4(14.5-15.0) (62 ppm), SB-5 (1.5-2.0) (80 ppm), and SB-7(14.5-15.0) (54 ppm)

Lead was identified in samples SB-1(1.5-2.0) at 140 ppm, SB-2 (1.5-2.0) at 76 ppm, SB-2 (14.5-15.0) at 160 ppm, SB-4(1.5-2.0) at 72 ppm, SB-4(14.5-15.0) at 100 ppm, SB-5(1.5-2.0) at 97 ppm, SB-5(14.5-15.0) at 100 ppm, SB-6 (14.5-15.0) at 130 ppm and SB-7 (1.5-2.0) at 64 ppm.

Mercury was detected above the UUSCO of 0.18 ppm in samples SB-2 (1.5-2.0) (0.3 ppm), SB-4 (14.5-15.0) (0.77 ppm), SB-6 (14.5-15.0) (0.29 ppm) and SB-7 (14.5-15.0) (0.54 ppm.)

Nickel was detected above the UUSCO of 30 ppm in sample SB-4 (14.5-15.0) at 36 ppm.

Zinc was detected above the UUSCO of 109 ppm in samples SB-1 (1.5-2.0) at 210 ppm, SB-2 (1.5-2.0) at 370 ppm, SB-2 (14.5-15.0) at 110 ppm, SB-4 (1.5-2.0) at 140 ppm, SB-4 (14.5-15.0) at 4100 ppm, SB-5 (1.5-2.0) at 1100 ppm and SB-6 (14.5-15.0) 180 ppm.

No other metals were detected in soil at concentrations above their Restricted Residential Use Soil Cleanup Objectives (RUSCOs). Metals were generally detected at higher concentrations in the deeper soil samples collected. Metals were not detected above standards in soil sample SB-1 (14.5-15.0), soil sample SB- 3(1.5-2.0), and soil sample SB-6 (1.5-2.0).

Pesticide compounds were detected above the UUSCO in soil samples collected from SB-1 (1.5-2.0): 4,4’-DDD at 0.0133 ppm and 4,4’-DDE at 0.0052 ppm.

Aroclor 1260, a polychlorinated biphenyl (PCB), was detected above the UUSCO of 0.1 ppm in sample SB-3 (1.5-2.0).

Benzo(a)anthracene was detected above the RUSCO of 1 ppm in samples SB-1 (1.5-2.0) at 1.6 ppm, SB-4 (1.5-2.0) at 1.2 ppm, SB-4 (14.5-15.0) at 1.2 ppm, and SB-7 (14.5-15.0) at 16 ppm.

Benzo(a)pyrene was detected above the RUSCO of 1 ppm in samples SB-1 (1.5-2.0) at 1.6 ppm, SB-4 (1.5-2.0) at 1 ppm, and SB-7 (14.5-15.0) at 11 ppm.

Benzo(b)fluoranthene was detected above the RUSCO of 1 ppm in samples SB-1 (1.5-2.0) at 2 ppm, SB-4 (1.5-2.0) at 1.4 ppm, SB-4 (14.5-15.0) at 1.2 ppm, and SB-7 (14.5-15.0) at 16 ppm.

Chrysene was detected above the UUSCO of 1 ppm in samples SB-1(1.5-2.0) at 1.5 ppm, SB-4 (1.5-2.0) at 1.3 ppm and SB-4 (14.5-15.0) at 1.1 ppm. Sample SB-7(14.5-15.0) contained chrysene at a concentration of 14 ppm which is above the RUSCO of 3.9 ppm.

Dibenzo(a,h)anthracene was detected in sample SB-7 (14.5-15.0) at a concentration of 2 ppm which is above the RUSCO of 0.33 ppm.

Indeno (1,2,3-cd)pyrene was detected in sample SB-1 (1.5-2.0) at 1.1 ppm, SB-4(1.5-2.0) at 0.68 ppm, SB-4(14.5-15.0) at 0.54 ppm and in SB-7(14.5-15.0) at 7.5 ppm, which is above the RUSCO of 0.5 ppm.

Phenol was detected above the UUSCO of 0.33 ppm in sample SB-6(14.5-15.0) at a concentration of 0.69 ppm.

Volatile Organic Compounds (VOCs) were detected above the UUSCOs in three samples: SB-1(1.5-2.0), SB-2(14.5-15.0) and SB-6 (14.5-15.0). Acetone was detected above its UUSCO in these three samples. Acetone is a common laboratory contaminant and its reported presence in one soil sample collected from the Site is likely the result of laboratory contamination.

Benzene was detected in sample SB-6(14.5-15.0) at a concentration of 4.4 ppm, which is above the UUSCO of 0.06 ppm. Toluene was also detected in SB-6(14.5-15.0) at a concentration of 2.6 ppm which is above the UUSCO of 0.7 ppm. Trichloroethene was detected in SB-2 (14.5-15.0) at a concentration of 0.61 ppm, which is above the UUSCO of 0.47. Xylenes were also detected at sample SB-2(14.5-15.0) at 0.3 ppm and at SB-6 (14.5-15.0) at 0.66 which is above the UUSCO of 0.26 ppm.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Table 5. Figure 5 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Unrestricted SCOs.

## 5.3 Groundwater Chemistry

Upon analysis of collected samples, several elevated concentrations of contaminants were identified in the groundwater.

Total metal concentrations of Iron, Magnesium, Manganese and Sodium were detected above their respective New York State Ambient Water Quality Standards (AWQS) in both samples TW-2 and TW-3.

Similarly, dissolved Iron, magnesium, manganese and sodium, were also detected above their respective AWQS in both samples TW-2 and TW-3.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Table 6.

Exceedances of applicable groundwater standards are shown.

Figure 6 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

## 5.4 Soil Vapor Chemistry

Upon analysis of soil gas samples collected 1,2,4-trimethylbenzene, 1,3,5-trimethybenzene, 4-ethyltoluene, ethylbenzene, xylenes, toluene, 2,2,4-Trimethylpentane, Benzene, Heptane, and Acetone were detected in three or more of the samples above NYSDOH background database guidelines. 1,2-Dichloroethane, cyclohexane, tetrachloroethene were detected above the above NYSDOH background database guidelines in sample SG-4. Sample SG-3 contained tetrachloroethene above the NYSDOH background database guidelines. Trichloroethene was the only compound detected above the NYSDOH Air Guideline Value (AGV) and NYSDOH background database guidelines in both samples SG-3 (83.8 $\mu g/m^{3)}$ and SG-4 (174 $\mu g/m^{3)}$. The following is a list of the concentration range of VOCs detected above NYSDOH background database guidelines:

- 1,2,4-Trimethylbenzene (737-1010 $\mu g/m^3$)
- 1,2 Dichloroethane (4.65 $\mu g/m^3$)
- 1,3,5- Trimethylbenzene (196-234 $\mu g/m^3$)
- 2,2,4-Trimethylpentane (12.2-36.8 $\mu g/m^3$)

- 2-Butanone (301 µg/$m^3$)
- 4-Ethyltoluene (103-160 µg/$m^3$)
- Acetone (52.7 -645 µg/$m^3$)
- Benzene (6.52-32.6 µg/$m^3$)
- Cyclohexane (8.3 µg/$m^3$)
- Toluene (969-1560 µg/$m^3$)
- Ethylbenzene (69.9-182 µg/$m^3$)
- Heptane (28.3-44.7 µg/$m^3$)
- Xylenes (618 – 1373 µg/$m^3$)
- Tetrachloroethene (13.5-16.3 µg/$m^3$)
- Toluene (73.9- 181 µg/$m^3$)
- Trichloroethene ( 83.8 -174 µg/$m^3$)

The soil vapor sampling results for Trichloroethene were compared to Matrix 1 of the NYSDOH Vapor Intrusion Guidance Document. Based on Matrix 1, a trichloroethene concentration above 50 µg/$m^3$ for sub-slab vapor and indoor air concentrations above 0.25 µg/$m^3$ require mitigation

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 7. Figure 7 shows the location and posts the values for soil vapor samples with detected concentrations.

## 5.5 Prior Activity

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

## 5.6 Impediments to Remedial Action

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

# TABLE 1

## Construction Details for Soil Borings and Monitoring Wells

| | ID No. | Date of construction | Total Depth (feet) | Diameter (inches) | Relative Ground surface elevation (feet) | Screened interval (below ground surface feet) | Construction Material (PVC, steel, etc) | GPS Coordinates |
|---|---|---|---|---|---|---|---|---|
| Soil Boring | SB-1 | 3/30/2015 | 15 | 2 | 43 | | | 40°51'38.79"N 73°54'32.00"W |
| | SB-2 | 3/30/2015 | 15 | 2 | 50 | | | 40°51'39.44"N 73°54'31.41"W |
| | SB-3 | 3/30/2015 | 15 | 2 | 34 | | | 40°51'38.54"N 73°54'31.35"W |
| | SB-4 | 3/30/2015 | 15 | 2 | 47 | | | 40°51'39.15"N 73°54'30.86"W |
| | SB-5 | 3/30/2015 | 15 | 2 | 54 | | | 40°51'39.15"N 73°54'30.86"W |
| | SB-6 | 3/30/2015 | 15 | 2 | 60 | | | 40°51'39.15"N 73°54'30.86"W |
| | SB-7 | 3/30/2015 | 15 | 2 | 56 | | | 40°51'39.15"N 73°54'30.86"W |
| Monitor Well | TW-1 | 3/30/2015 | 30 | 1.25 | 44 | 20-30 | PVC | 40°51'38.79"N 73°54'32.00"W |
| | TW-2 | 3/30/2015 | 30 | 1.25 | 31 | 20-30 | PVC | 40°51'39.44"N 73°54'31.41"W |

# TABLE 2

## Sample Collection Data for All Media

| Sample ID | Date Collected | Sample Depth (feet) | Analysis |
|---|---|---|---|
| SB-1 (1.5-2.0) | 3/30/2015 | 1.5-2.0 | VOCs, SVOC, PCBs, Pesticides and TAL Metals |
| SB-1 (14.5-15.0) | 3/30/2015 | 14.5-15.0 | VOCs, SVOC, PCBs, Pesticides and TAL Metals |
| SB-2 (1.5-2.0) | 3/30/2015 | 1.5-2.0 | VOCs, SVOC, PCBs, Pesticides and TAL Metals |
| SB-2 (14.5-15.0) | 3/30/2015 | 14.5-15.0 | VOCs, SVOC, PCBs, Pesticides and TAL Metals |
| SB-3 (1.5-2.0) | 3/30/2015 | 1.5-2.0 | VOCs, SVOC, PCBs, Pesticides and TAL Metals |
| SB-3 (14.5-15.0) | 3/30/2015 | 14.5-15.0 | VOCs, SVOC, PCBs, Pesticides and TAL Metals |
| SB-4 (1.5-2.0) | 3/30/2015 | 1.5-2.0 | VOCs, SVOC, PCBs, Pesticides and TAL Metals |
| SB-4 (14.5-15.0) | 3/30/2015 | 14.5-15.0 | VOCs, SVOC, PCBs, Pesticides and TAL Metals |
| SB-5 (1.5-2.0) | 3/30/2015 | 1.5-2.0 | VOCs, SVOC, PCBs, Pesticides and TAL Metals |
| SB-5 (14.5-15.0) | 3/30/2015 | 14.5-15.0 | VOCs, SVOC, PCBs, Pesticides and TAL Metals |
| SB-6 (1.5-2.0) | 3/30/2015 | 1.5-2.0 | VOCs, SVOC, PCBs, Pesticides and TAL Metals |
| SB-6 (14.5-15.0) | 3/30/2015 | 14.5-15.0 | VOCs, SVOC, PCBs, Pesticides and TAL Metals |
| SB-7 (1.5-2.0) | 3/30/2015 | 1.5-2.0 | VOCs, SVOC, PCBs, Pesticides and TAL Metals |
| SB-7 (14.5-15.0) | 3/30/2015 | 14.5-15.0 | VOCs, SVOC, PCBs, Pesticides and TAL Metals |
| TW-1 | 3/30/2015 | 30 | VOCs, SVOC, PCBs, Pesticides, Total Metals and Dissolved Metals |
| TW-2 | 3/30/2015 | 30 | VOCs, SVOC, PCBs, Pesticides, Total Metals and Dissolved Metals |
| SG-1 | 3/31/2015 | 4.5 | VOCs |
| SG-2 | 3/31/2015 | 4.5 | VOCs |
| SG-2 | 3/31/2015 | 4.5 | VOCs |
| SG-3 | 3/31/2015 | 4.5 | VOCs |

# TABLE 3

## Analytical Methods Summary Table

| Matrix | Number of samples | Analytical parameters measured | Analytical methods used | Number of duplicate samples | Number of trip blank samples | Number of field blank samples |
|---|---|---|---|---|---|---|
| Soil | 14 | VOCs, SVOCs, Pesticides, PCBs and Metals | EPA Method 8260, Methods 8270, Method 8081, Method 8082 and Method 6010 | None | 1 | 1 |
| Groundwater | 2 | VOCs, SVOCs, Pesticides, PCBs and Metals | EPA Method 8260, Methods 8270, Method 8081, Method 8082 and Method 6010 | None | 1 | 1 |
| Soil vapor | 4 | VOCs | TO-15 | None | None | None |

# TABLE 4

## Groundwater Level Data

| Monitoring Well ID No. | Date | Water Elevation |
|---|---|---|
| TW-1 | 3/30/2015 | 26.1 feet |
| TW-2 | 3/30/2015 | 25.2 feet |

Table 5: Soil Analytical Data Summary
233 Landing Road, Bronx, NY

| LOCATION | RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES | UNRESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES | SB-1 (1.5-2.0) | | SB-1 (14.5-15.0) | | SB-2 (1.5-2.0) | | SB-2 (14.5-15.0) | | SB-3 (1.5-2.0) | | SB-3 (14.5-15.0) | | SB-4 (1.5-2.0) | | SB-4 (14.5-15.0) | | SB-5 (1.5-2.0) | | SB-5 (14.5-15.0) | | SB-6 (1.5-2.0) | | SB-6 (14.5-15.0) | | SB-7 (1.5-2.0) | | SB-7 (14.5-15.0) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLING DATE | | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | |
| LAB SAMPLE ID | | | L1506286-01 | | L1506286-02 | | L1506286-03 | | L1506286-04 | | L1506286-05 | | L1506286-06 | | L1506286-07 | | L1506286-08 | | L1506286-09 | | L1506286-10 | | L1506286-11 | | L1506286-12 | | L1506286-13 | | L1506286-14 | |
| SAMPLE DEPTH (ft.) | | | 1.5-2.0 | | 14.5-15.0 | | 1.5-2.0 | | 14.5-15.0 | | 1.5-2.0 | | 14.5-15.0 | | 1.5-2.0 | | 14.5-15.0 | | 1.5-2.0 | | 14.5-15.0 | | 1.5-2.0 | | 14.5-15.0 | | 1.5-2.0 | | 14.5-15.0 | |
| UNITS | | | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q |
| **Total Metals** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | NS | NS | 10000 | | 4200 | | 11000 | | 7900 | | 9700 | | 11000 | | 6800 | | 9400 | | 7200 | | 7400 | | 9800 | | 7000 | | 7400 | | 8800 | |
| Antimony, Total | NS | NS | 4.4 | U | 4.2 | U | 4.2 | U | 3.7 | J | 4.4 | U | 4 | U | 4.3 | U | 4.3 | U | 0.88 | J | 4.2 | U | 4.6 | U | 4.5 | U | 4.4 | U | 4.4 | U |
| Arsenic, Total | 16 | 13 | 7.4 | | 5.7 | | 8.6 | | 10 | | 5.7 | | 5.1 | | 8.5 | | 9.5 | | 12 | | 11 | | 6.6 | | 6 | | 6.6 | | 4.6 | |
| Barium, Total | 400 | 350 | 240 | | 24 | | 130 | | 80 | | 150 | | 140 | | 92 | | 170 | | 78 | | 84 | | 73 | | 77 | | 38 | | 87 | |
| Beryllium, Total | 72 | 7.2 | 0.37 | J | 0.42 | U | 0.41 | J | 0.25 | J | 0.27 | J | 0.28 | J | 0.22 | J | 0.29 | J | 0.15 | J | 0.17 | J | 0.24 | J | 0.2 | J | 0.28 | J | 0.22 | J |
| Cadmium, Total | 4.3 | 2.5 | 0.88 | U | 0.84 | U | 0.85 | U | 0.87 | U | 0.89 | U | 0.8 | U | 0.86 | U | 0.85 | U | 0.9 | U | 0.85 | U | 0.91 | U | 0.18 | J | 0.87 | U | 0.87 | U |
| Calcium, Total | NS | NS | 20000 | | 55000 | | 13000 | | 44000 | | 26000 | | 13000 | | 16000 | | 34000 | | 30000 | | 50000 | | 11000 | | 36000 | | 4000 | | 24000 | |
| Chromium, Total | NS | NS | 28 | | 7.1 | | 23 | | 23 | | 18 | | 25 | | 19 | | 24 | | 19 | | 22 | | 22 | | 16 | | 12 | | 20 | |
| Cobalt, Total | NS | NS | 8.7 | | 6 | | 8.8 | | 5.8 | | 7.2 | | 10 | | 6.6 | | 5.9 | | 7.4 | | 7 | | 7.3 | | 4.7 | | 6.4 | | 6.1 | |
| Copper, Total | 270 | 50 | 38 | | 22 | | 34 | | 35 | | 28 | | **100** | | 29 | | **62** | | **80** | | 48 | | 21 | | 28 | | 16 | | **54** | |
| Iron, Total | NS | NS | 18000 | | 12000 | | 20000 | | 21000 | | 14000 | | 21000 | | 16000 | | 19000 | | 20000 | | 30000 | | 15000 | | 10000 | | 14000 | | 14000 | |
| Lead, Total | 400 | 63 | **140** | | 22 | | **76** | | **160** | | 41 | | 22 | | **72** | | **100** | | **97** | | **100** | | 58 | | **130** | | **64** | | 47 | |
| Magnesium, Total | NS | NS | 9000 | | 29000 | | 5300 | | 12000 | | 6900 | | 12000 | | 4400 | | 7600 | | 17000 | | 18000 | | 4200 | | 4600 | | 2600 | | 4300 | |
| Manganese, Total | 2000 | 1600 | 250 | | 240 | | 360 | | 200 | | 240 | | 250 | | 210 | | 230 | | 210 | | 320 | | 270 | | 130 | | 350 | | 260 | |
| Mercury, Total | 0.81 | 0.18 | 0.06 | J | 0.02 | J | **0.3** | | 0.04 | J | 0.13 | | 0.08 | U | 0.14 | | **0.77** | | 0.02 | J | 0.03 | J | 0.11 | | **0.29** | | 0.03 | J | **0.54** | |
| Nickel, Total | 310 | 30 | 27 | | 10 | | 17 | | 19 | | 15 | | 21 | | 17 | | **36** | | 16 | | 26 | | 18 | | 29 | | 14 | | 17 | |
| Potassium, Total | NS | NS | 3600 | | 650 | | 2300 | | 1900 | | 2500 | | 8100 | | 1700 | | 2500 | | 1900 | | 2600 | | 2200 | | 1400 | | 810 | | 3100 | |
| Sodium, Total | NS | NS | 540 | | 480 | | 580 | | 630 | | 420 | | 170 | | 220 | | 470 | | 380 | | 210 | | 140 | J | 270 | | 150 | J | 280 | |
| Vanadium, Total | NS | NS | 30 | | 41 | | 31 | | 23 | | 32 | | 42 | | 27 | | 28 | | 47 | | 28 | | 27 | | 28 | | 15 | | 23 | |
| Zinc, Total | 10000 | 109 | **210** | | 27 | | **370** | | **110** | | 91 | | 53 | | **140** | | **4100** | | **1100** | | 81 | | 82 | | **180** | | 87 | | 76 | |
| **Organochlorine Pesticides** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,4'-DDD | 13 | 0.0033 | **0.0133** | | 0.00173 | U | 0.0018 | U | 0.0018 | U | 0.00172 | U | 0.0017 | U | 0.00179 | U | 0.00184 | U | 0.00176 | U | 0.00169 | U | 0.00179 | U | 0.0018 | U | 0.00178 | U | 0.00184 | U |
| 4,4'-DDE | 8.9 | 0.0033 | **0.0052** | | 0.00173 | U | 0.0018 | U | 0.0018 | U | 0.00172 | U | 0.0017 | U | 0.00179 | U | 0.00184 | U | 0.00176 | U | 0.00169 | U | 0.00179 | U | 0.0018 | U | 0.00178 | U | 0.00184 | U |
| 4,4'-DDT | 7.9 | 0.0033 | 0.00246 | J | 0.00325 | U | **0.00337** | U | **0.00337** | U | 0.00323 | U | 0.00319 | U | **0.00335** | U | **0.00345** | U | 0.00329 | U | 0.00316 | U | **0.00336** | U | **0.00338** | U | **0.00334** | U | **0.00344** | U |
| Endrin | 11 | 0.014 | 0.000758 | U | 0.000721 | U | 0.000749 | U | 0.000748 | U | 0.00918 | PI | 0.00071 | U | 0.000744 | U | 0.000767 | U | 0.000732 | U | 0.000703 | U | 0.000746 | U | 0.00075 | U | 0.000742 | U | 0.000766 | U |
| Heptachlor epoxide | NS | NS | 0.00341 | U | 0.00325 | U | 0.00337 | U | 0.00337 | U | 0.00279 | J | 0.00319 | U | 0.00335 | U | 0.00345 | U | 0.00329 | U | 0.00316 | U | 0.00336 | U | 0.00338 | U | 0.00334 | U | 0.00344 | U |
| **Polychlorinated Biphenyl** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1254 | 1 | 0.1 | 0.0145 | J | 0.0364 | U | 0.0365 | U | 0.0245 | J | 0.0361 | U | 0.0346 | U | 0.00971 | J | 0.0269 | J | 0.037 | U | 0.0355 | U | 0.0362 | U | 0.038 | U | 0.0357 | U | 0.011 | J |
| Aroclor 1260 | 1 | 0.1 | 0.00866 | J | 0.0364 | U | 0.0365 | U | 0.0765 | | **0.359** | | 0.0346 | U | 0.036 | U | 0.00806 | J | 0.037 | U | 0.0434 | | 0.0362 | U | 0.038 | U | 0.0357 | U | 0.0383 | U |
| PCBs, Total | | | 0.0232 | J | 0.0364 | U | 0.0365 | U | 0.101 | J | 0.359 | | 0.0346 | U | 0.00971 | J | 0.035 | J | 0.037 | U | 0.0434 | | 0.0362 | U | 0.038 | U | 0.0357 | U | 0.011 | J |
| **Semivolatile Organic Compunds** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2-Methylnaphthalene | NS | NS | 0.12 | J | 0.44 | U | 0.22 | U | 0.22 | U | 0.44 | U | 0.43 | U | 0.22 | U | 0.095 | J | 0.13 | J | 0.21 | U | 0.23 | U | 0.23 | U | 0.069 | J | 3.2 | |
| 2-Methylphenol | 100 | 0.33 | 0.18 | U | **0.36** | U | 0.18 | U | 0.18 | U | **0.37** | U | **0.36** | U | 0.19 | U | 0.19 | U | **0.38** | U | 0.18 | U | 0.19 | U | 0.2 | U | 0.19 | U | 0.19 | U |
| 3-Methylphenol/4-Methylphenol | 100 | 0.33 | 0.26 | U | **0.53** | U | 0.26 | U | 0.27 | U | **0.53** | U | **0.52** | U | 0.27 | U | 0.27 | U | **0.54** | U | 0.26 | U | 0.27 | U | 0.28 | U | 0.27 | U | 0.064 | J |
| Acenaphthene | 100 | 20 | 0.18 | | 0.29 | U | 0.039 | J | 0.11 | J | 0.29 | U | 0.29 | U | 0.12 | J | 0.33 | | 0.3 | U | 0.14 | U | 0.15 | U | 0.11 | J | 0.15 | U | 7.3 | E |
| Acenaphthylene | 100 | 100 | 0.14 | J | 0.29 | U | 0.078 | J | 0.056 | J | 0.29 | U | 0.29 | U | 0.42 | | 0.061 | J | 0.11 | J | 0.04 | J | 0.17 | | 0.15 | J | 0.046 | J | 0.15 | U |
| Anthracene | 100 | 100 | 0.35 | | 0.22 | U | 0.15 | | 0.28 | | 0.22 | U | 0.22 | U | 0.51 | | 0.58 | | 0.1 | J | 0.082 | J | 0.094 | J | 0.27 | | 0.11 | U | 10 | E |
| Benzo(a)anthracene | 1 | 1 | **1.6** | | 0.22 | U | 0.51 | | 0.73 | | 0.18 | J | 0.22 | U | **1.2** | | **1.2** | | 0.3 | | 0.23 | | 0.25 | | 0.76 | | 0.086 | J | **16** | E |
| Benzo(a)pyrene | 1 | 1 | **1.6** | | 0.29 | U | 0.48 | | 0.63 | | 0.18 | J | 0.29 | U | **1** | | 0.96 | | 0.26 | J | 0.22 | | 0.25 | | 0.66 | | 0.09 | J | **11** | E |
| Benzo(b)fluoranthene | 1 | 1 | **2** | | 0.22 | U | 0.61 | | 0.91 | | 0.23 | | 0.22 | U | **1.4** | | **1.2** | | 0.34 | | 0.31 | | 0.41 | | 0.94 | | 0.13 | | **16** | E |
| Benzo(ghi)perylene | 100 | 100 | 1.1 | | 0.29 | U | 0.3 | | 0.39 | | 0.14 | J | 0.29 | U | 0.58 | | 0.48 | | 0.19 | J | 0.13 | J | 0.14 | J | 0.36 | | 0.058 | J | 5.6 | |
| Benzo(k)fluoranthene | 3.9 | 0.8 | 0.79 | | 0.22 | U | 0.22 | | 0.31 | | 0.081 | J | 0.22 | U | 0.68 | | 0.55 | | 0.12 | J | 0.099 | J | 0.18 | | 0.34 | | 0.11 | U | **5.5** | |
| Biphenyl | NS | NS | 0.42 | U | 0.83 | U | 0.41 | U | 0.42 | U | 0.84 | U | 0.82 | U | 0.43 | U | 0.43 | U | 0.86 | U | 0.4 | U | 0.43 | U | 0.44 | U | 0.43 | U | 0.7 | |
| Bis(2-Ethylhexyl)phthalate | NS | NS | 0.1 | J | 0.36 | U | 0.18 | U | 0.41 | | 0.37 | U | 0.36 | U | 0.19 | U | 5.6 | | 0.38 | U | 0.18 | U | 0.19 | U | 0.15 | J | 0.19 | U | 0.38 | |
| Butyl benzyl phthalate | NS | NS | 0.18 | U | 0.36 | U | 0.18 | U | 0.048 | J | 0.37 | U | 0.36 | U | 0.55 | | 0.24 | | 0.38 | U | 0.38 | | 0.046 | J | 0.045 | J | 0.038 | J | 0.19 | U |
| Carbazole | NS | NS | 0.14 | J | 0.36 | U | 0.045 | J | 0.15 | J | 0.37 | U | 0.36 | U | 0.15 | J | 0.28 | | 0.38 | U | 0.18 | U | 0.19 | U | 0.14 | J | 0.19 | U | 6.6 | |
| Chrysene | 3.9 | 1 | **1.5** | | 0.22 | U | 0.52 | | 0.77 | | 0.2 | J | 0.088 | J | **1.3** | | **1.1** | | 0.39 | | 0.25 | | 0.36 | | 0.72 | | 0.096 | J | **14** | E |
| Di-n-butylphthalate | NS | NS | 0.18 | U | 0.36 | U | 0.18 | U | 28 | E | 0.093 | J | 0.36 | U | 0.19 | U | 0.19 | U | 0.38 | U | 0.18 | U | 0.19 | U | 0.2 | U | 0.19 | U | 0.29 | |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.26 | | 0.22 | U | 0.072 | J | 0.1 | J | 0.22 | U | 0.22 | U | 0.18 | | 0.13 | | 0.23 | U | 0.11 | U | 0.043 | J | 0.1 | J | 0.11 | U | **2** | |
| Dibenzofuran | 59 | 7 | 0.14 | J | 0.36 | U | 0.18 | U | 0.18 | U | 0.37 | U | 0.36 | U | 0.074 | J | 0.16 | J | 0.38 | U | 0.18 | U | 0.19 | U | 0.2 | U | 0.19 | U | 5.3 | |
| Fluoranthene | 100 | 100 | 2.8 | | 0.22 | U | 0.9 | | 1.6 | | 0.27 | | 0.22 | U | 2.6 | | 2.5 | | 0.4 | | 0.45 | | 0.66 | | 1.5 | | 0.11 | | 33 | E |
| Fluorene | 100 | 30 | 0.2 | | 0.36 | U | 0.077 | J | 0.092 | J | 0.37 | U | 0.36 | U | 0.15 | J | 0.26 | | 0.38 | U | 0.18 | U | 0.19 | U | 0.099 | J | 0.19 | U | 6.9 | E |
| Indeno(1,2,3-cd)Pyrene | 0.5 | 0.5 | **1.1** | | 0.29 | U | 0.32 | | 0.41 | | 0.12 | J | 0.29 | U | **0.68** | | **0.54** | | 0.16 | J | 0.13 | J | 0.17 | | 0.38 | | 0.058 | J | **7.5** | |
| Naphthalene | 100 | 12 | 0.1 | J | 0.36 | U | 0.18 | U | 0.18 | U | 0.37 | U | 0.36 | U | 0.19 | U | 0.19 | | 0.38 | U | 0.18 | U | 0.19 | U | 0.19 | J | 0.15 | J | 3.5 | |
| Phenanthrene | 100 | 100 | 1.1 | | 0.22 | U | 0.57 | | 1 | | 0.15 | J | 0.22 | U | 1.6 | | 2.2 | | 0.39 | | 0.23 | | 0.44 | | 1 | | 0.046 | J | 32 | E |
| Phenol | 100 | 0.33 | 0.18 | U | **0.36** | U | 0.18 | U | 0.18 | U | **0.37** | U | **0.36** | U | 0.19 | U | 0.19 | U | **0.38** | U | 0.18 | U | 0.19 | U | **0.69** | | 0.19 | U | 0.19 | U |
| Pyrene | 100 | 100 | 2.5 | | 0.22 | U | 0.88 | | 1.3 | | 0.25 | | 0.22 | U | 2 | | 2 | | 0.39 | | 0.38 | | 0.5 | | 1.2 | | 0.11 | | 23 | E |
| **Volatile Organic Compounds** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NS | NS | 0.079 | U | 0.002 | U | 0.0013 | U | 0.069 | U | 0.0012 | U | 0.0012 | U | 0.0013 | U | 0.0014 | U | 0.0014 | U | 0.0011 | U | 0.0014 | U | 0.078 | U | 0.0013 | U | 0.002 | U |
| 1,1,1-Trichloroethane | 100 | 0.68 | 0.079 | U | 0.002 | U | 0.0013 | U | 0.069 | U | 0.0012 | U | 0.0012 | U | 0.0013 | U | 0.0014 | U | 0.0014 | U | 0.0011 | U | 0.0014 | U | 0.078 | U | 0.0013 | U | 0.002 | U |
| 1,1,2,2-Tetrachloroethane | NS | NS | 0.079 | U | 0.002 | U | 0.0013 | U | 0.069 | U | 0.0012 | U | 0.0012 | U | 0.0013 | U | 0.0014 | U | 0.0014 | U | 0.0011 | U | 0.0014 | U | 0.078 | U | 0.0013 | U | 0.002 | U |
| 1,1,2-Trichloroethane | NS | NS | 0.12 | U | 0.003 | U | 0.002 | U | 0.1 | U | 0.0018 | U | 0.0018 | U | 0.002 | U | 0.0022 | U | 0.002 | U | 0.0017 | U | 0.002 | U | 0.12 | U | 0.0019 | U | 0.0029 | U |
| 1,1-Dichloroethane | 26 | 0.27 | 0.12 | U | 0.003 | U | 0.002 | U | 0.1 | U | 0.0018 | U | 0.0018 | U | 0.002 | U | 0.0022 | U | 0.002 | U | 0.0017 | U | 0.002 | U | 0.12 | U | 0.0019 | U | 0.0029 | U |

Table 5: Soil Analytical Data Summary
233 Landing Road, Bronx, NY

| LOCATION | RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES | UNRESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES | SB-1 (1.5-2.0) | | SB-1 (14.5-15.0) | | SB-2 (1.5-2.0) | | SB-2 (14.5-15.0) | | SB-3 (1.5-2.0) | | SB-3 (14.5-15.0) | | SB-4 (1.5-2.0) | | SB-4 (14.5-15.0) | | SB-5 (1.5-2.0) | | SB-5 (14.5-15.0) | | SB-6 (1.5-2.0) | | SB-6 (14.5-15.0) | | SB-7 (1.5-2.0) | | SB-7 (14.5-15.0) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLING DATE | | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | | 3/30/2015 | |
| LAB SAMPLE ID | | | L1506286-01 | | L1506286-02 | | L1506286-03 | | L1506286-04 | | L1506286-05 | | L1506286-06 | | L1506286-07 | | L1506286-08 | | L1506286-09 | | L1506286-10 | | L1506286-11 | | L1506286-12 | | L1506286-13 | | L1506286-14 | |
| SAMPLE DEPTH (ft.) | | | 1.5-2.0 | | 14.5-15.0 | | 1.5-2.0 | | 14.5-15.0 | | 1.5-2.0 | | 14.5-15.0 | | 1.5-2.0 | | 14.5-15.0 | | 1.5-2.0 | | 14.5-15.0 | | 1.5-2.0 | | 14.5-15.0 | | 1.5-2.0 | | 14.5-15.0 | |
| UNITS | | | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q |
| 1,1-Dichloroethene | 100 | 0.33 | 0.079 | U | 0.002 | U | 0.0013 | U | 0.069 | U | 0.0012 | U | 0.0012 | U | 0.0013 | U | 0.0014 | U | 0.0014 | U | 0.0011 | U | 0.0014 | U | 0.078 | U | 0.0013 | U | 0.002 | U |
| 1,1-Dichloropropene | NS | NS | 0.39 | U | 0.0098 | U | 0.0067 | U | 0.34 | U | 0.006 | U | 0.0061 | U | 0.0065 | U | 0.0072 | U | 0.0068 | U | 0.0055 | U | 0.0068 | U | 0.39 | U | 0.0064 | U | 0.0098 | U |
| 1,2,3-Trichlorobenzene | NS | NS | 0.39 | U | 0.0098 | U | 0.0067 | U | 0.34 | U | 0.006 | U | 0.0061 | U | 0.0065 | U | 0.0072 | U | 0.0068 | U | 0.0055 | U | 0.0068 | U | 0.39 | U | 0.0064 | U | 0.0098 | U |
| 1,2,3-Trichloropropane | NS | NS | 0.79 | U | 0.02 | U | 0.013 | U | 0.69 | U | 0.012 | U | 0.012 | U | 0.013 | U | 0.014 | U | 0.014 | U | 0.011 | U | 0.014 | U | 0.78 | U | 0.013 | U | 0.02 | U |
| 1,2,4,5-Tetramethylbenzene | NS | NS | 0.1 | J | 0.0079 | U | 0.0054 | U | 0.28 | U | 0.00061 | J | 0.0049 | U | 0.0052 | U | 0.0058 | U | 0.0055 | U | 0.0044 | U | 0.0055 | U | 0.31 | U | 0.0052 | U | 0.0078 | U |
| 1,2,4-Trimethylbenzene | 52 | 3.6 | 0.39 | U | 0.0098 | U | 0.0067 | U | 0.34 | U | 0.0033 | J | 0.0061 | U | 0.0065 | U | 0.0072 | U | 0.0068 | U | 0.0055 | U | 0.0068 | U | 0.072 | J | 0.0064 | U | 0.0098 | U |
| 1,2-Dichloroethane | 3.1 | 0.02 | **0.079** | U | 0.002 | U | 0.0013 | U | **0.069** | U | 0.0012 | U | 0.0012 | U | 0.0013 | U | 0.0014 | U | 0.0014 | U | 0.0011 | U | 0.0014 | U | **0.078** | U | 0.0013 | U | 0.002 | U |
| 1,3,5-Trimethylbenzene | 52 | 8.4 | 0.39 | U | 0.0098 | U | 0.0067 | U | 0.34 | U | 0.0013 | J | 0.0061 | U | 0.0065 | U | 0.0072 | U | 0.0068 | U | 0.0055 | U | 0.0068 | U | 0.39 | U | 0.0064 | U | 0.0098 | U |
| 1,4-Dioxane | 13 | 0.1 | **7.9** | U | **0.2** | U | **0.13** | U | **6.9** | U | **0.12** | U | **0.12** | U | **0.13** | U | **0.14** | U | **0.14** | U | **0.11** | U | **0.14** | U | **7.8** | U | **0.13** | U | **0.2** | U |
| 2-Butanone | 100 | 0.12 | **0.79** | U | 0.0051 | J | 0.0033 | J | **0.69** | U | 0.0015 | J | 0.012 | U | 0.013 | U | 0.0079 | J | 0.014 | U | 0.0054 | J | 0.014 | U | **0.78** | U | 0.013 | U | 0.0028 | J |
| Acetone | 100 | 0.05 | **0.27** | J | 0.024 | | 0.022 | | **0.36** | J | 0.0058 | J | 0.0034 | J | 0.017 | | 0.041 | | 0.0024 | J | 0.033 | | 0.0028 | J | **0.2** | J | 0.003 | J | 0.014 | J |
| Benzene | 4.8 | 0.06 | **0.079** | U | 0.002 | U | 0.0013 | U | **0.069** | U | 0.0012 | U | 0.0012 | U | 0.0013 | U | 0.0014 | U | 0.0014 | U | 0.0011 | U | 0.0014 | U | **4.4** | | 0.0013 | U | 0.002 | U |
| Carbon disulfide | NS | NS | 0.79 | U | 0.006 | J | 0.003 | J | 0.69 | U | 0.012 | U | 0.012 | U | 0.013 | U | 0.014 | U | 0.014 | U | 0.0045 | J | 0.014 | U | 0.78 | U | 0.013 | U | 0.02 | U |
| Ethylbenzene | 41 | 1 | 0.079 | U | 0.002 | U | 0.0013 | U | 0.087 | | 0.0012 | U | 0.0012 | U | 0.0013 | U | 0.0014 | U | 0.0014 | U | 0.0011 | U | 0.0014 | U | 0.22 | | 0.0013 | U | 0.002 | U |
| Methylene chloride | 100 | 0.05 | **0.79** | U | 0.02 | U | 0.013 | U | **0.69** | U | 0.012 | U | 0.012 | U | 0.013 | U | 0.014 | U | 0.014 | U | 0.011 | U | 0.014 | U | **0.78** | U | 0.013 | U | 0.02 | U |
| n-Butylbenzene | 100 | 12 | 0.053 | J | 0.002 | U | 0.0013 | U | 0.069 | U | 0.0012 | U | 0.0012 | U | 0.0013 | U | 0.0014 | U | 0.0014 | U | 0.0011 | U | 0.0014 | U | 0.078 | U | 0.0013 | U | 0.002 | U |
| Naphthalene | 100 | 12 | 0.22 | J | 0.0098 | U | 0.001 | J | 0.34 | U | 0.014 | | 0.0061 | U | 0.0065 | U | 0.0033 | J | 0.0068 | U | 0.0055 | U | 0.0068 | U | 0.094 | J | 0.0064 | U | 0.086 | |
| o-Xylene | NS | NS | 0.16 | U | 0.0039 | U | 0.0027 | U | 0.078 | J | 0.00088 | J | 0.0024 | U | 0.0026 | U | 0.0029 | U | 0.0027 | U | 0.0022 | U | 0.0027 | U | 0.12 | J | 0.0026 | U | 0.0039 | U |
| p-Diethylbenzene | NS | NS | 0.03 | J | 0.0079 | U | 0.00042 | J | 0.28 | U | 0.0018 | J | 0.0049 | U | 0.0052 | U | 0.0058 | U | 0.0055 | U | 0.0044 | U | 0.0055 | U | 0.31 | U | 0.0052 | U | 0.0078 | U |
| p/m-Xylene | NS | NS | 0.16 | U | 0.0039 | U | 0.0027 | U | 0.22 | | 0.0012 | J | 0.0024 | U | 0.0026 | U | 0.0029 | U | 0.0027 | U | 0.0022 | U | 0.0027 | U | 0.54 | | 0.0026 | U | 0.0039 | U |
| Toluene | 100 | 0.7 | 0.12 | U | 0.003 | U | 0.002 | U | 0.1 | U | 0.0018 | U | 0.0018 | U | 0.002 | U | 0.0022 | U | 0.002 | U | 0.0017 | U | 0.002 | U | **2.6** | | 0.0019 | U | 0.0029 | U |
| Trichloroethene | 21 | 0.47 | 0.079 | U | 0.002 | U | 0.0013 | U | **0.61** | | 0.0012 | U | 0.0012 | U | 0.0013 | U | 0.0014 | U | 0.015 | | 0.0011 | U | 0.0019 | | 0.078 | U | 0.0021 | | 0.002 | U |
| Vinyl chloride | 0.9 | 0.02 | **0.16** | U | 0.0039 | U | 0.0027 | U | **0.14** | U | 0.0024 | U | 0.0024 | U | 0.0026 | U | 0.0029 | U | 0.0027 | U | 0.0022 | U | 0.0027 | U | **0.16** | U | 0.0026 | U | 0.0039 | U |
| Xylenes, Total | 100 | 0.26 | 0.16 | U | 0.0039 | U | 0.0027 | U | **0.3** | J | 0.0021 | J | 0.0024 | U | 0.0026 | U | 0.0029 | U | 0.0027 | U | 0.0022 | U | 0.0027 | U | **0.66** | J | 0.0026 | U | 0.0039 | U |
| **General Chemistry** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solids, Total | NS | NS | 87.4 | | 90.6 | | 88.9 | | 88.6 | | 88.7 | | 92.4 | | 87.1 | | 86.7 | | 87.1 | | 92.1 | | 86.8 | | 84.5 | | 88.2 | | 85.3 | |

Notes:

**Value exceedes Restricted Residential Soil Cleanup Objectives**

**Value exceeds Unrestricted Residential Soil Cleanup Objectives**

**Sample Method Detection Limit exceeds Soil Cleanup Objectives**

U = Not detected at the reported detection limit for the sample.
J = Not detected at the method detection limit
E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
NS = No Standard
mg/kg = Milligrams per Kilogram

Table 6- Groundwater Analytical Data Summary
233 Landing Road, Bronx, NY

| LOCATION | NEW YORK | TW-1 | | TW-2 | |
|---|---|---|---|---|---|
| SAMPLING DATE | AMBIENT WATER | 3/30/2015 | | 3/30/2015 | |
| LAB SAMPLE ID | QUALITY | L1506286-15 | | L1506286-16 | |
| UNITS | STANDARDS | ug/l | Q | ug/l | Q |
| **Total Metals** | | | | | |
| Aluminum, Total | NS | 227 | | 540 | |
| Antimony, Total | 3 | 0.2 | J | 0.3 | J |
| Arsenic, Total | 25 | 0.5 | J | 2.2 | |
| Barium, Total | 1000 | 318.2 | | 342.2 | |
| Cadmium, Total | 5 | 0.2 | | 0.2 | U |
| Calcium, Total | NS | 112000 | | 132000 | |
| Chromium, Total | 50 | 1.2 | | 2.3 | |
| Cobalt, Total | NS | 3.7 | | 1.8 | |
| Copper, Total | 200 | 1.8 | | 3.6 | |
| Iron, Total | 300 | **440** | | **4900** | |
| Lead, Total | 25 | 1 | | 1.7 | |
| Magnesium, Total | 35000 | **45800** | | **59600** | |
| Manganese, Total | 300 | **612.9** | | **1553** | |
| Nickel, Total | 100 | 7.1 | | 3.8 | |
| Potassium, Total | NS | 8740 | | 12300 | |
| Selenium, Total | 10 | 6 | | 5 | U |
| Sodium, Total | 20000 | **334000** | | **219000** | |
| Vanadium, Total | NS | 1.2 | J | 1.7 | J |
| Zinc, Total | 2000 | 4.3 | J | 16.7 | |
| **Dissolved Metals** | | | | | |
| Aluminum, Dissolved | NS | 3.4 | J | 4.58 | J |
| Antimony, Dissolved | 3 | 1.04 | J | 2.34 | J |
| Arsenic, Dissolved | 25 | 0.17 | J | 1.88 | |
| Barium, Dissolved | 1000 | 313.3 | | 336.5 | |
| Cadmium, Dissolved | 5 | 0.23 | | 0.2 | U |
| Calcium, Dissolved | NS | 123000 | | 143000 | |
| Chromium, Dissolved | 50 | 0.32 | J | 1 | U |
| Cobalt, Dissolved | NS | 3.16 | | 0.98 | |
| Copper, Dissolved | 200 | 1.07 | | 0.59 | J |
| Iron, Dissolved | 300 | 74.2 | | **3630** | |
| Magnesium, Dissolved | 35000 | **43600** | | **63700** | |
| Manganese, Dissolved | 300 | **742.4** | | **1704** | |
| Nickel, Dissolved | 100 | 7.19 | | 2.3 | |
| Potassium, Dissolved | NS | 8330 | | 11300 | |
| Selenium, Dissolved | 10 | 8.13 | | 5 | U |
| Sodium, Dissolved | 20000 | **379000** | | **229000** | |
| Zinc, Dissolved | 2000 | 10 | U | 3.96 | J |
| **Organochlorine Pesticides** | | | | | |
| Alpha-BHC | 0.01 | **0.02** | U | **0.02** | U |
| Chlordane | 0.05 | **0.2** | U | **0.2** | U |
| Dieldrin | 0.004 | **0.04** | U | **0.04** | U |
| Toxaphene | 0.06 | **0.2** | U | **0.2** | U |
| **Polychlorinated Biphenyls** | | | | | |
| PCBs, Total | | 0.083 | U | 0.083 | U |
| **Semivolatile Organic Compunds** | | | | | |
| 1,2,4,5-Tetrachlorobenzene | 5 | **10** | U | **10** | U |
| 2,4-Dichlorophenol | 1 | **5** | U | **5** | U |
| 2,4-Dinitrophenol | 10 | **20** | U | **20** | U |
| 2-Nitroaniline | 5 | **5** | U | **5** | U |
| 3,3'-Dichlorobenzidine | 5 | **5** | U | **5** | U |
| 3-Nitroaniline | 5 | **5** | U | **5** | U |

Table 6- Groundwater Analytical Data Summary
233 Landing Road, Bronx, NY

| LOCATION | NEW YORK | TW-1 | | TW-2 | |
|---|---|---|---|---|---|
| SAMPLING DATE | AMBIENT WATER | 3/30/2015 | | 3/30/2015 | |
| LAB SAMPLE ID | QUALITY | L1506286-15 | | L1506286-16 | |
| UNITS | STANDARDS | ug/l | Q | ug/l | Q |
| 4-Chloroaniline | 5 | **5** | U | **5** | U |
| 4-Nitroaniline | 5 | **5** | U | **5** | U |
| Benzo(a)anthracene | 0.002 | **0.2** | U | **0.2** | U |
| Benzo(a)pyrene | 0 | **0.2** | U | **0.2** | U |
| Benzo(b)fluoranthene | 0.002 | **0.2** | U | **0.2** | U |
| Benzo(k)fluoranthene | 0.002 | **0.2** | U | **0.2** | U |
| Bis(2-chloroethyl)ether | 1 | **2** | U | **2** | U |
| Chrysene | 0.002 | **0.2** | U | **0.2** | U |
| Hexachlorobenzene | 0.04 | **0.8** | U | **0.8** | U |
| Hexachlorocyclopentadiene | 5 | **20** | U | **20** | U |
| Indeno(1,2,3-cd)Pyrene | 0.002 | **0.2** | U | **0.2** | U |
| Naphthalene | 10 | 0.08 | J | 0.2 | U |
| Nitrobenzene | 0.4 | **2** | U | **2** | U |
| Phenol | 1 | **5** | U | **5** | U |
| **Volatile Organic Compounds** | | | | | |
| 1,1,2-Trichloroethane | 1 | **1.5** | U | **1.5** | U |
| 1,2,3-Trichloropropane | 0.04 | **2.5** | U | **2.5** | U |
| 1,2-Dibromo-3-chloropropane | 0.04 | **2.5** | U | **2.5** | U |
| 1,2-Dibromoethane | 0.0006 | **2** | U | **2** | U |
| cis-1,3-Dichloropropene | 0.4 | **0.5** | U | **0.5** | U |
| Hexachlorobutadiene | 0.5 | **2.5** | U | **2.5** | U |
| trans-1,3-Dichloropropene | 0.4 | **0.5** | U | **0.5** | U |
| Trichloroethene | 5 | 0.25 | J | 0.2 | J |

Notes:
**Concentrations exceed the NYS- Ambient Water Quality Standards**
**Method Detection Limits exceed the NYS- Ambient Water Quality Standards**
U= Not detected at the reported detection limit for the sample
J= Not detected at the Method Detection Limit

Table 7- Soil Vapor Analytical Data Summary
233 Landing Road, Bronx, NY

| LOCATION | SOIL GAS | | SOIL GAS | | SOIL GAS | | SOIL GAS | | NYSDOH AGV | NYSDOH Fuel Oil 2003 Upper Fence Limit (2) | USEPA BASE Data 90th Percentile Value(2) | HEI RIOPA 2005 95th Percentile Value(2) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLE NAME | SG-1 | | SG-2 | | SG-3 | | SG-4 | | | | | |
| SAMPLING DATE | **3/31/2015** | | **3/31/2015** | | **3/31/2015** | | **3/31/2015** | | | | | |
| LAB SAMPLE ID | **L1506295-01** | | **L1506295-02** | | **L1506295-03** | | **L1506295-04** | | | | | |
| UNITS | ug/m$^3$ | Q | ug/m$^3$ | Q | ug/m$^3$ | Q | ug/m$^3$ | Q | ug/m$^3$ | ug/m$^3$ | ug/m$^3$ | ug/m$^3$ |
| Volatile Organics in Air (by SIM) | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 2.18 | U | 2.18 | U | 2.18 | U | 2.18 | U | NS | 2.5 | 20.6 | NS |
| 1,1-Dichloroethane | **1.62** | U | **1.62** | U | **1.62** | U | **1.62** | U | NS | 0.4 | <0.7 | NS |
| 1,1-Dichloroethene | **1.59** | U | **1.59** | U | **1.59** | U | **1.59** | U | NS | 0.4 | <1.4 | NS |
| 1,2,4-Trimethylbenzene | **737** | | **895** | | **1010** | **E** | **924** | | NS | 9.8 | 9.5 | NS |
| 1,2-Dichlorobenzene | **2.4** | **U** | **2.4** | **U** | **2.4** | **U** | **2.4** | **U** | NS | 0.5 | <1.2 | NS |
| 1,2-Dichloroethane | **1.62** | **U** | **1.62** | **U** | **1.62** | **U** | **4.65** | | NS | 0.4 | <0.9 | NS |
| 1,2-Dichloropropane | **1.85** | **U** | **1.85** | **U** | **1.85** | **U** | **1.85** | **U** | NS | 0.4 | <1.6 | NS |
| 1,3,5-Trimethybenzene | **196** | | **236** | | **234** | | **208** | | NS | 3.9 | 3.7 | NS |
| 1,3-Dichlorobenzene | 2.4 | U | 2.4 | U | 2.4 | U | 2.4 | U | NS | 0.5 | <2.4 | NS |
| 1,3-Butadiene | 1.67 | | 0.929 | | 1.08 | | 1.04 | | NS | NS | <3.0 | NS |
| 2,2,4-Trimethylpentane | **12.5** | | **12.2** | | 1.87 | U | **36.8** | | NS | 5 | NS | NS |
| 2-Butanone | 7.28 | | 9.26 | | **301** | | 2.95 | U | NS | 16 | 12 | NS |
| 4-Ethyltoluene | **106** | | **126** | | **160** | | **103** | | NS | NS | 3.6 | NS |
| Acetone | **52.7** | | **69.4** | | **245** | | 9.88 | | NS | 115 | 98.9 | 45.8 |
| Benzene | **6.52** | | **11.1** | | 4.6 | | **32.6** | | NS | 13 | 9.4 | 10 |
| Chlorobenzene | **1.84** | U | **1.84** | U | **1.84** | U | **1.84** | U | NS | 0.4 | <0.9 | NS |
| Chloroethane | 1.06 | U | 1.06 | U | 1.06 | U | 1.06 | U | NS | 0.4 | <1.1 | NS |
| Chloroform | **1.95** | U | **1.95** | U | **2.34** | | **12.3** | | NS | 1.2 | 6.34 | NS |
| Chloromethane | 0.826 | | 0.826 | U | 0.826 | U | 0.826 | U | NS | 4.2 | 3.7 | NS |
| Cyclohexane | 6.2 | | 6.13 | | 4.27 | | **8.3** | | NS | 6.3 | NS | NS |
| cis-1,2-Dichloroethene | 3.48 | | 1.59 | U | 1.59 | U | 1.59 | U | NS | 0.4 | <1.9 | NS |
| Ethanol | | | | | 9.42 | U | 9.42 | U | NS | 1300 | NS | NS |
| Ethylbenzene | **134** | | **182** | | **101** | | **69.9** | | NS | 6.4 | 5.7 | 7.62 |
| Heptane | **32.5** | | **44.7** | | 16.7 | | **28.3** | | NS | 18 | NS | NS |
| Methyl tert butyl ether | 1.44 | U | 1.44 | U | 1.44 | U | 1.44 | U | NS | 14 | 11.5 | 36 |
| Methylene chloride | 3.47 | U | 3.47 | U | 4.06 | | 3.47 | U | 60 | 16 | 10 | 7.5 |
| o-Xylene | **329** | | **452** | | **298** | | **211** | | NS | 7.1 | 7.9 | 7.24 |
| m/p-Xylene | **669** | | **921** | | **586** | | **407** | | NS | 11 | 22.2 | 22.2 |
| Tetrachloroethene | 2.71 | U | 2.71 | U | **16.3** | | **13.5** | | 100 | 2.5 | 15.9 | 6.01 |
| Toluene | **143** | | **181** | | **73.9** | | **85.5** | | NS | 57 | 43 | 39.8 |
| trans-1,2-Dichloroethene | 1.59 | U | 1.59 | U | 1.59 | U | 1.59 | U | NS | NS | NS | NS |
| Trichloroethene | 2.15 | U | 2.15 | U | **83.8** | | **174** | | 5 | 0.5 | 4.2 | 1.36 |
| Vinyl chloride | 1.02 | U | 1.02 | U | 1.02 | U | 1.02 | U | NS | 0.4 | <1.9 | NS |

Notes:

**Result exceeds the range of all background databases listed**

**Result exceeds the range of all background databases listed except the NYSDOH AGV**

**Method detecttion level exceeds a background database liste**

ug/m3 = micrograms per cubic meter
NS= No Standard
J = Estimated Value
AGV = Air Guideline Value
ASTM = American Society of Testing and Materials
NYSDOH = New York State Department of Health
BASE = Building Assessment and Survey Evalution
HEI RIOPA = Health Effect Institute Relationship of Indoor, Outdoor and Personal Air

NEW YORK

QUADRANGLE LOCATION

SOURCE:
USGS TOPOGRAPHIC MAPS: CENTRAL PARK, NY-NJ (2011) & YONKERS, NY-NJ (2013). CONTOUR INTERVAL 10 FT., NAVD-1988, ORIGINAL SCALE 1:24,000 (1"=2,000 FT.).

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233 LANDING ROAD
BRONX, NEW YORK

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
BOWERY RESIDENTS' COMMITTEE

**SITE LOCATION MAP**

| | | | |
|---|---|---|---|
| PROJ MGR: BA | REVIEWED BY: MM | CHECKED BY: MM | FIGURE 1 |
| DESIGNED BY: MM | DRAWN BY: EM | SCALE: 1"=2000' | |
| DATE: MAY 2014 | PROJECT NO. 12-0076232.00 | REVISION NO. | SHEET NO. |

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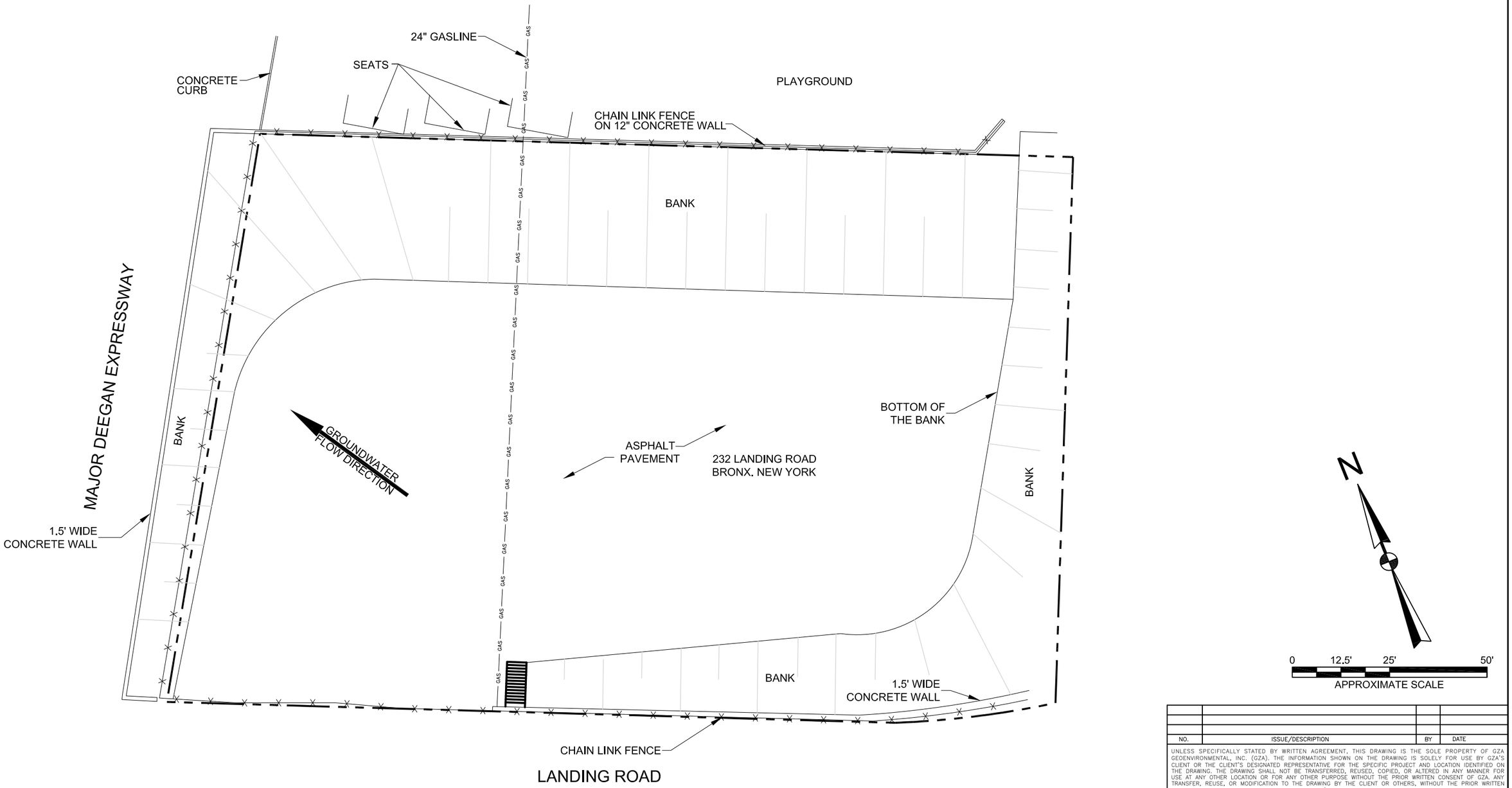


LEGEND:

- APPROXIMATE SITE BOUNDARY
- CHAIN LINK FENCE
- 24" GAS LINE

NOTES:

1) BASE MAP DEVELOPED FROM PLAN PROVIDED BY PRECISION SURVEYS, ENTITLED "SURVEY OF 233 LANDING ROAD," DATED MARCH 27, 2003, ORIGINAL SCALE 1"=30'.

| NO. | ISSUE/DESCRIPTION | BY | DATE |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

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233 LANDING ROAD
BRONX, NEW YORK

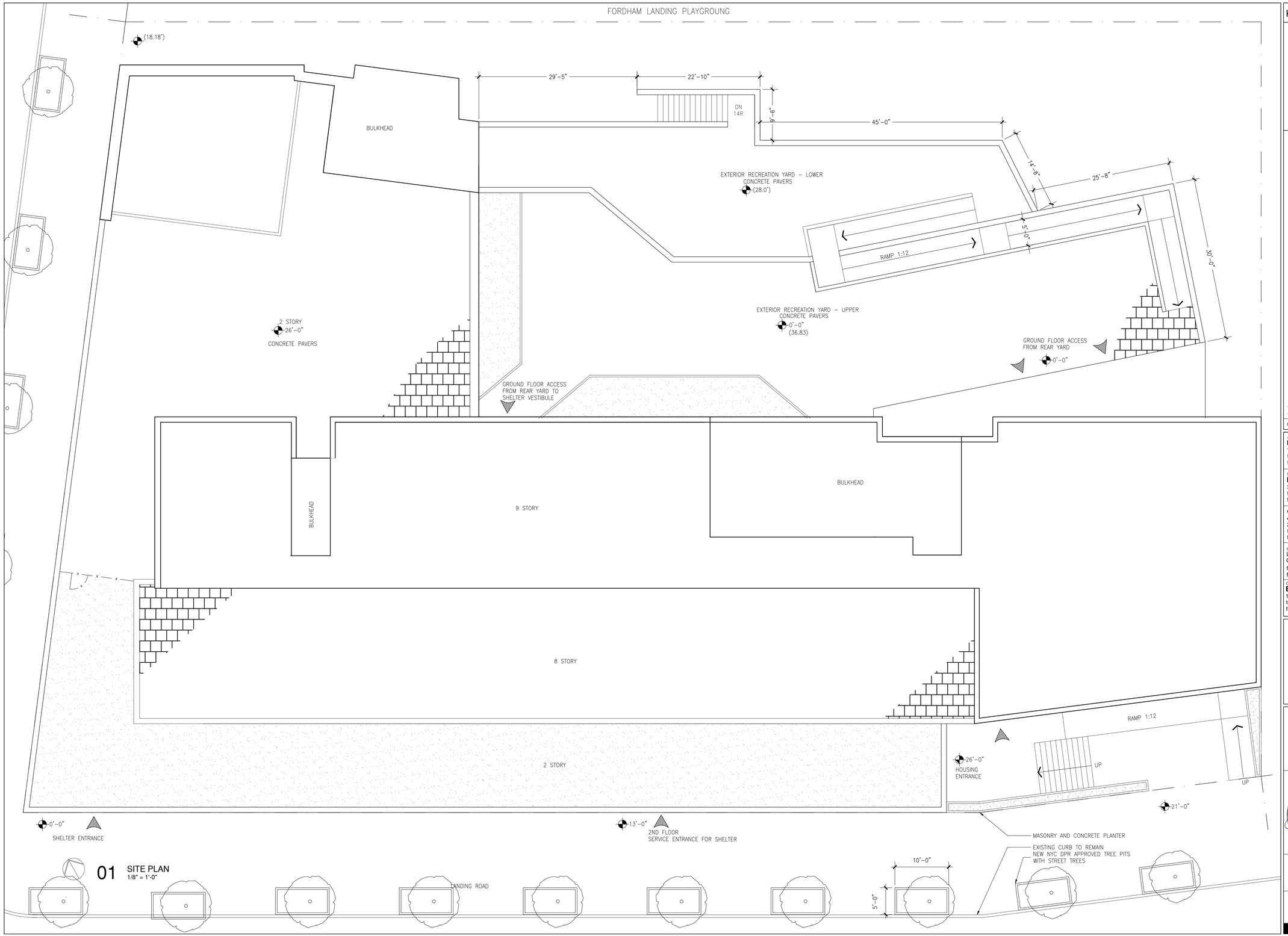
**SITE PLAN**

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
BOWERY RESIDENTS' COMMITTEE

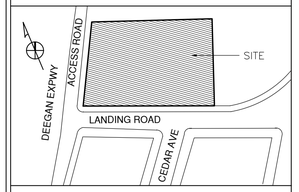
| | | | |
|---|---|---|---|
| PROJ MGR: BA | REVIEWED BY: MM | CHECKED BY: MM | FIGURE 2 |
| DESIGNED BY: MM | DRAWN BY: EM | SCALE: 1" = 25' | |
| DATE: MARCH 2015 | PROJECT NO. 12.0076232.02 | REVISION NO. | SHEET NO. |

©2015 – GZA GeoEnvironmental, Inc. GZA–C:\Users\edward.morris\Desktop\work\3-5-15\76232.02\76232.02.002.dwg [2] March 05, 2015 – 12:51pm edward.morris




01 SITE PLAN
1/8" = 1'-0"

## KEY PLAN




| DATE | ISSUES / REVISIONS |
|---|---|
| 12.22.14 | DEPARTMENT OF BUILDINGS SUBMISSION |
| 11.21.14 | DESIGN DEVELOPMENT SUBMISSION |

Architect:
**EDELMAN SULTAN KNOX WOOD / ARCHITECTS LLP**
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Structural Engineer:
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tel: 212-620-7970
fax: 212-620-8157

Mechanical/Electrical/Plumbing Engineer:
**JOSEPH R. LORING AND ASSOCIATES INC.**
21 Penn Plaza, New York, NY 10001
tel: 212-563-7400
fax: 212-563-7382

Civil Engineer:
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One Edgewater Plaza, Suite 205, Staten Island, NY 10305
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fax: 718-420-9673

Owner / Sponsor:
**BOWERY RESIDENTS' COMMITTEE**
131 W. 25th Street, 12th Floor, New York, NY 10001
tel: 212-803-5700
fax: 212-533-1893

***Bowery Residents' Committee***

# Landing Road

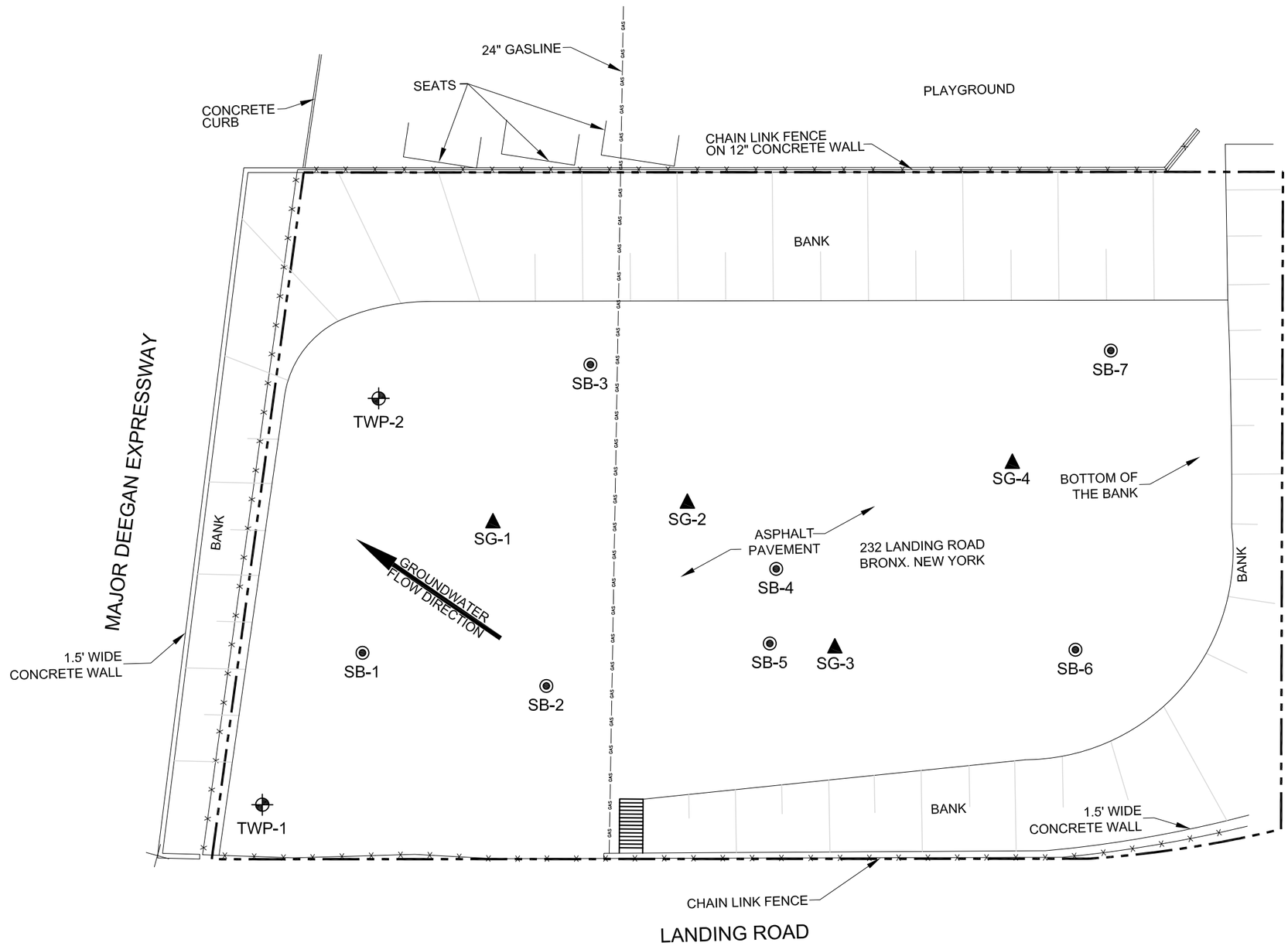
233 Landing Road
Bronx, New York 10468

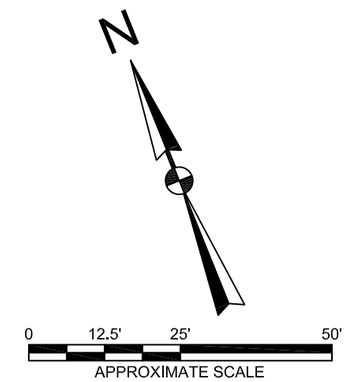
TITLE:
SITE PLAN

SEAL:
STATE OF NEW YORK · ANDREW M. KNOX · 022218 · REGISTERED ARCHITECT

| | |
|---|---|
| PROJECT NO.: | 14008.0 |
| SCALE: | 1/8" = 1'-0" |
| BY: KM / MR / MVR / MG | CHECK: AK |
| DATE: | DECEMBER 22, 2014 |
| PAGE: | 13 of 29 |

DWG. NO.:
A-100.00




LEGEND:

- APPROXIMATE SITE BOUNDARY
- CHAIN LINK FENCE
- 24" GAS LINE
- SOIL SAMPLE LOCATION
- SOIL GAS SAMPLE LOCATION
- GROUNDWATER SAMPLE LOCATION

NOTES:

1) BASE MAP DEVELOPED FROM PLAN PROVIDED BY PRECISION SURVEYS, ENTITLED "SURVEY OF 233 LANDING ROAD," DATED MARCH 27, 2003, ORIGINAL SCALE 1"=30'.

| NO. | ISSUE/DESCRIPTION | BY | DATE |
|---|---|---|---|
| | | | |
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233 LANDING ROAD
BRONX, NEW YORK

**LOCATION OF SOIL BORINGS, WELLS AND SOIL VAPOR SAMPLES**

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
BOWERY RESIDENTS' COMMITTEE

| | | | |
|---|---|---|---|
| PROJ MGR: BA | REVIEWED BY: AE | CHECKED BY: BA | FIGURE |
| DESIGNED BY: AE | DRAWN BY: EM | SCALE: 1" = 25' | 4 |
| DATE: APRIL 2015 | PROJECT NO. 12.0076232.20 | REVISION NO. | SHEET NO. |

©2015 – GZA GeoEnvironmental, Inc. GZA–J:\76000's\12.0076232.00\Figures\CAD\12.0076232.20\76232.20.03.002.dwg [4] April 17, 2015 – 11:27am miguel.torres

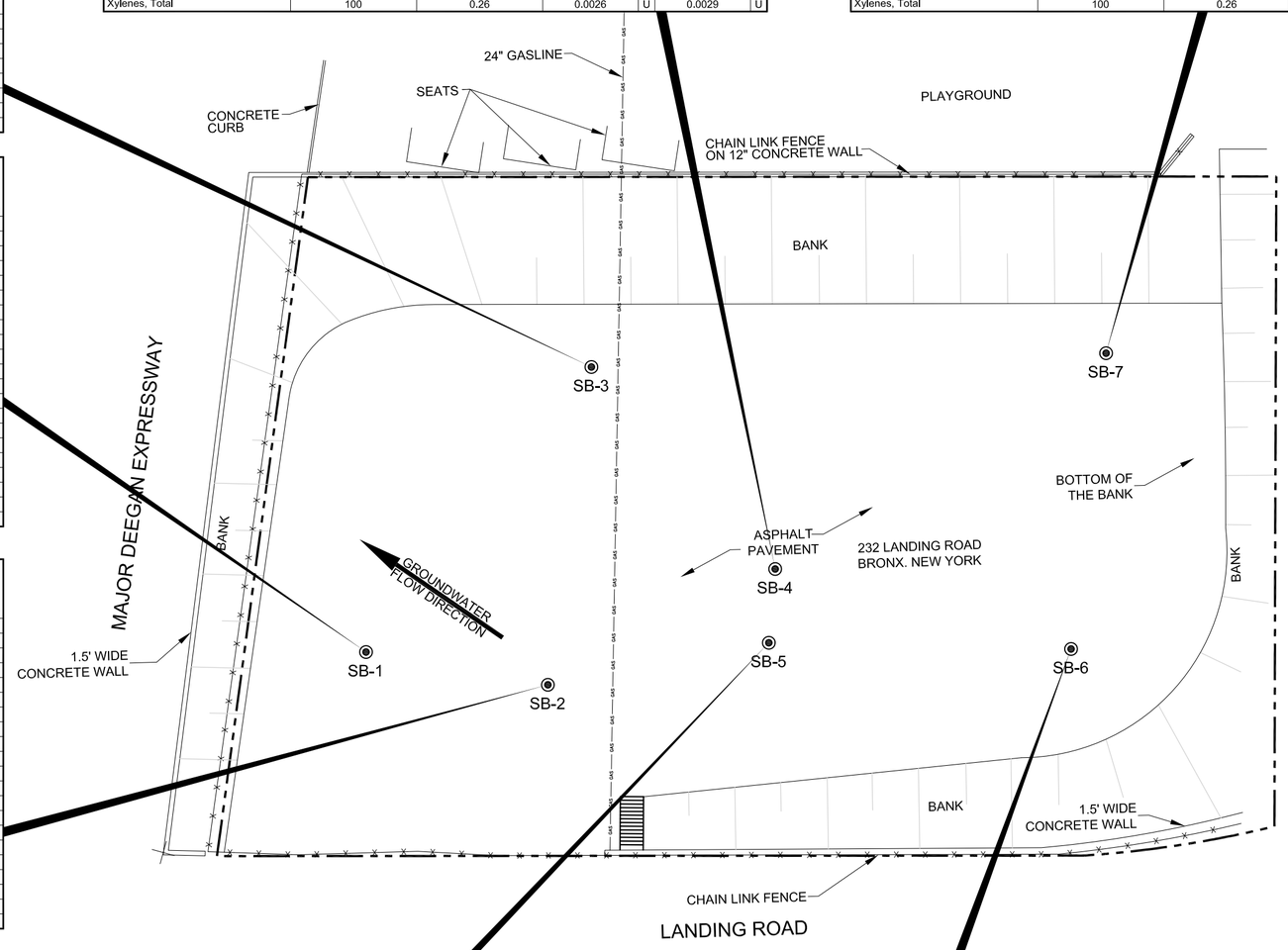
| LOCATION<br>SAMPLING DATE<br>SAMPLE DEPTH (ft.)<br>UNITS | RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES | UNRESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES | SB-3 (1.5-2.0)<br>3/30/2015<br>1.5-2.0<br>mg/kg | Q | SB-3 (14.5-15.0)<br>3/30/2015<br>14.5-15.0<br>mg/kg | Q |
|---|---|---|---|---|---|---|
| Copper, Total | 270 | 50 | 28 | | **100** | |
| Lead, Total | 400 | 63 | 41 | | 22 | |
| Mercury, Total | 0.81 | 0.18 | 0.13 | | 0.08 | U |
| Nickel, Total | 310 | 30 | 15 | | 21 | |
| Zinc, Total | 10000 | 109 | 91 | | 53 | |
| 4,4'-DDD | 13 | 0.0033 | 0.00172 | U | 0.0017 | U |
| 4,4'-DDE | 8.9 | 0.0033 | 0.00172 | U | 0.0017 | U |
| Aroclor 1260 | 1 | 0.1 | **0.359** | | 0.0346 | U |
| Benzo(a)anthracene | 1 | 1 | 0.18 | J | 0.22 | U |
| Benzo(a)pyrene | 1 | 1 | 0.18 | J | 0.29 | U |
| Benzo(b)fluoranthene | 1 | 1 | 0.23 | | 0.22 | U |
| Benzo(k)fluoranthene | 3.9 | 0.8 | 0.081 | J | 0.22 | U |
| Chrysene | 3.9 | 1 | 0.2 | J | 0.088 | J |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.22 | U | 0.22 | U |
| Indeno(1,2,3-cd)Pyrene | 0.5 | 0.5 | 0.12 | J | 0.29 | U |
| Phenol | 100 | 0.33 | **0.37** | U | **0.36** | U |
| Acetone | 100 | 0.05 | 0.0058 | J | 0.0034 | J |
| Benzene | 4.8 | 0.06 | 0.0012 | U | 0.0012 | U |
| Toluene | 100 | 0.7 | 0.0018 | U | 0.0018 | U |
| Trichloroethene | 21 | 0.47 | 0.0012 | U | 0.0012 | U |
| Xylenes, Total | 100 | 0.26 | 0.0021 | J | 0.0024 | U |

| LOCATION<br>SAMPLING DATE<br>SAMPLE DEPTH (ft.)<br>UNITS | RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES | UNRESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES | SB-1 (1.5-2.0)<br>3/30/2015<br>1.5-2.0<br>mg/kg | Q | SB-1 (14.5-15.0)<br>3/30/2015<br>14.5-15.0<br>mg/kg | Q |
|---|---|---|---|---|---|---|
| Copper, Total | 270 | 50 | 38 | | 22 | |
| Lead, Total | 400 | 63 | **140** | | 22 | |
| Mercury, Total | 0.81 | 0.18 | 0.06 | J | 0.02 | J |
| Nickel, Total | 310 | 30 | 27 | | 10 | |
| Zinc, Total | 10000 | 109 | **210** | | 27 | |
| 4,4'-DDD | 13 | 0.0033 | **0.0133** | | 0.00173 | U |
| 4,4'-DDE | 8.9 | 0.0033 | **0.0052** | | 0.00173 | U |
| Aroclor 1260 | 1 | 0.1 | 0.00866 | J | 0.0364 | U |
| Benzo(a)anthracene | 1 | 1 | **1.6** | | 0.22 | U |
| Benzo(a)pyrene | 1 | 1 | **1.6** | | 0.29 | U |
| Benzo(b)fluoranthene | 1 | 1 | **2** | | 0.22 | U |
| Benzo(k)fluoranthene | 3.9 | 0.8 | 0.79 | | 0.22 | U |
| Chrysene | 3.9 | 1 | **1.5** | | 0.22 | U |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.26 | | 0.22 | U |
| Indeno(1,2,3-cd)Pyrene | 0.5 | 0.5 | **1.1** | | 0.29 | U |
| Phenol | 100 | 0.33 | 0.18 | U | **0.36** | U |
| Acetone | 100 | 0.05 | **0.27** | J | 0.024 | |
| Benzene | 4.8 | 0.06 | **0.079** | U | 0.002 | U |
| Toluene | 100 | 0.7 | 0.12 | U | 0.003 | U |
| Trichloroethene | 21 | 0.47 | 0.079 | U | 0.002 | U |
| Xylenes, Total | 100 | 0.26 | 0.16 | U | 0.0039 | U |

| LOCATION<br>SAMPLING DATE<br>SAMPLE DEPTH (ft.)<br>UNITS | RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES | UNRESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES | SB-2 (1.5-2.0)<br>3/30/2015<br>1.5-2.0<br>mg/kg | Q | SB-2 (14.5-15.0)<br>3/30/2015<br>14.5-15.0<br>mg/kg | Q |
|---|---|---|---|---|---|---|
| Copper, Total | 270 | 50 | 34 | | 35 | |
| Lead, Total | 400 | 63 | **76** | | **160** | |
| Mercury, Total | 0.81 | 0.18 | **0.3** | | 0.04 | J |
| Nickel, Total | 310 | 30 | 17 | | 19 | |
| Zinc, Total | 10000 | 109 | **370** | | **110** | |
| 4,4'-DDD | 13 | 0.0033 | 0.0018 | U | 0.0018 | U |
| 4,4'-DDE | 8.9 | 0.0033 | 0.0018 | U | 0.0018 | U |
| Aroclor 1260 | 1 | 0.1 | 0.0365 | U | 0.0765 | |
| Benzo(a)anthracene | 1 | 1 | 0.51 | | 0.73 | |
| Benzo(a)pyrene | 1 | 1 | 0.48 | | 0.63 | |
| Benzo(b)fluoranthene | 1 | 1 | 0.61 | | 0.91 | |
| Benzo(k)fluoranthene | 3.9 | 0.8 | 0.22 | | 0.31 | |
| Chrysene | 3.9 | 1 | 0.52 | | 0.77 | |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.072 | J | 0.1 | J |
| Indeno(1,2,3-cd)Pyrene | 0.5 | 0.5 | 0.32 | | 0.41 | |
| Phenol | 100 | 0.33 | 0.18 | U | 0.18 | U |
| Acetone | 100 | 0.05 | 0.022 | | **0.36** | J |
| Benzene | 4.8 | 0.06 | 0.0013 | U | **0.069** | U |
| Toluene | 100 | 0.7 | 0.002 | U | 0.1 | U |
| Trichloroethene | 21 | 0.47 | 0.0013 | U | **0.61** | |
| Xylenes, Total | 100 | 0.26 | 0.0027 | U | **0.3** | J |

| LOCATION<br>SAMPLING DATE<br>SAMPLE DEPTH (ft.)<br>UNITS | RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES | UNRESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES | SB-4 (1.5-2.0)<br>3/30/2015<br>1.5-2.0<br>mg/kg | Q | SB-4 (14.5-15.0)<br>3/30/2015<br>14.5-15.0<br>mg/kg | Q |
|---|---|---|---|---|---|---|
| Copper, Total | 270 | 50 | 29 | | **62** | |
| Lead, Total | 400 | 63 | **72** | | **100** | |
| Mercury, Total | 0.81 | 0.18 | 0.14 | | **0.77** | |
| Nickel, Total | 310 | 30 | 17 | | **36** | |
| Zinc, Total | 10000 | 109 | **140** | | **4100** | |
| 4,4'-DDD | 13 | 0.0033 | 0.00179 | U | 0.00184 | U |
| 4,4'-DDE | 8.9 | 0.0033 | 0.00179 | U | 0.00184 | U |
| Aroclor 1260 | 1 | 0.1 | 0.036 | U | 0.00806 | J |
| Benzo(a)anthracene | 1 | 1 | **1.2** | | **1.2** | |
| Benzo(a)pyrene | 1 | 1 | **1** | | 0.96 | |
| Benzo(b)fluoranthene | 1 | 1 | **1.4** | | **1.2** | |
| Benzo(k)fluoranthene | 3.9 | 0.8 | 0.68 | | 0.55 | |
| Chrysene | 3.9 | 1 | **1.3** | | **1.1** | |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.18 | | 0.13 | |
| Indeno(1,2,3-cd)Pyrene | 0.5 | 0.5 | **0.68** | | **0.54** | |
| Phenol | 100 | 0.33 | 0.19 | U | 0.19 | U |
| Acetone | 100 | 0.05 | 0.017 | | 0.041 | |
| Benzene | 4.8 | 0.06 | 0.0013 | U | 0.0014 | U |
| Toluene | 100 | 0.7 | 0.002 | U | 0.0022 | U |
| Trichloroethene | 21 | 0.47 | 0.0013 | U | 0.0014 | U |
| Xylenes, Total | 100 | 0.26 | 0.0026 | U | 0.0029 | U |

| LOCATION<br>SAMPLING DATE<br>SAMPLE DEPTH (ft.)<br>UNITS | RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES | UNRESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES | SB-7 (1.5-2.0)<br>3/30/2015<br>1.5-2.0<br>mg/kg | Q | SB-7 (14.5-15.0)<br>3/30/2015<br>14.5-15.0<br>mg/kg | Q |
|---|---|---|---|---|---|---|
| Copper, Total | 270 | 50 | 16 | | **54** | |
| Lead, Total | 400 | 63 | **64** | | 47 | |
| Mercury, Total | 0.81 | 0.18 | 0.03 | J | **0.54** | |
| Nickel, Total | 310 | 30 | 14 | | 17 | |
| Zinc, Total | 10000 | 109 | 87 | | 76 | |
| 4,4'-DDD | 13 | 0.0033 | 0.00178 | U | 0.00184 | U |
| 4,4'-DDE | 8.9 | 0.0033 | 0.00178 | U | 0.00184 | U |
| Aroclor 1260 | 1 | 0.1 | 0.0357 | U | 0.0383 | U |
| Benzo(a)anthracene | 1 | 1 | 0.086 | J | **16** | E |
| Benzo(a)pyrene | 1 | 1 | 0.09 | J | **11** | E |
| Benzo(b)fluoranthene | 1 | 1 | 0.13 | | **16** | E |
| Benzo(k)fluoranthene | 3.9 | 0.8 | 0.11 | U | **5.5** | |
| Chrysene | 3.9 | 1 | 0.096 | J | **14** | E |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.11 | U | **2** | |
| Indeno(1,2,3-cd)Pyrene | 0.5 | 0.5 | 0.058 | J | **7.5** | |
| Phenol | 100 | 0.33 | 0.19 | U | 0.19 | U |
| Acetone | 100 | 0.05 | 0.003 | J | 0.014 | J |
| Benzene | 4.8 | 0.06 | 0.0013 | U | 0.002 | U |
| Toluene | 100 | 0.7 | 0.0019 | U | 0.0029 | U |
| Trichloroethene | 21 | 0.47 | 0.0021 | | 0.002 | U |
| Xylenes, Total | 100 | 0.26 | 0.0026 | U | 0.0039 | U |




| LOCATION<br>SAMPLING DATE<br>SAMPLE DEPTH (ft.)<br>UNITS | RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES | UNRESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES | SB-5 (1.5-2.0)<br>3/30/2015<br>1.5-2.0<br>mg/kg | Q | SB-5 (14.5-15.0)<br>3/30/2015<br>14.5-15.0<br>mg/kg | Q |
|---|---|---|---|---|---|---|
| Copper, Total | 270 | 50 | **80** | | 48 | |
| Lead, Total | 400 | 63 | **97** | | **100** | |
| Mercury, Total | 0.81 | 0.18 | 0.02 | J | 0.03 | J |
| Nickel, Total | 310 | 30 | 16 | | 26 | |
| Zinc, Total | 10000 | 109 | **1100** | | 81 | |
| 4,4'-DDD | 13 | 0.0033 | 0.00176 | U | 0.00169 | U |
| 4,4'-DDE | 8.9 | 0.0033 | 0.00176 | U | 0.00169 | U |
| Aroclor 1260 | 1 | 0.1 | 0.037 | U | 0.0434 | |
| Benzo(a)anthracene | 1 | 1 | 0.3 | | 0.23 | |
| Benzo(a)pyrene | 1 | 1 | 0.26 | J | 0.22 | |
| Benzo(b)fluoranthene | 1 | 1 | 0.34 | | 0.31 | |
| Benzo(k)fluoranthene | 3.9 | 0.8 | 0.12 | J | 0.099 | J |
| Chrysene | 3.9 | 1 | 0.39 | | 0.25 | |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.23 | U | 0.11 | U |
| Indeno(1,2,3-cd)Pyrene | 0.5 | 0.5 | 0.16 | J | 0.13 | J |
| Phenol | 100 | 0.33 | **0.38** | U | 0.18 | U |
| Acetone | 100 | 0.05 | 0.0024 | J | 0.033 | |
| Benzene | 4.8 | 0.06 | 0.0014 | U | 0.0011 | U |
| Toluene | 100 | 0.7 | 0.002 | U | 0.0017 | U |
| Trichloroethene | 21 | 0.47 | 0.015 | | 0.0011 | U |
| Xylenes, Total | 100 | 0.26 | 0.0027 | U | 0.0022 | U |

| LOCATION<br>SAMPLING DATE<br>SAMPLE DEPTH (ft.)<br>UNITS | RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES | UNRESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES | SB-6 (1.5-2.0)<br>3/30/2015<br>1.5-2.0<br>mg/kg | Q | SB-6 (14.5-15.0)<br>3/30/2015<br>14.5-15.0<br>mg/kg | Q |
|---|---|---|---|---|---|---|
| Copper, Total | 270 | 50 | 21 | | 28 | |
| Lead, Total | 400 | 63 | 58 | | **130** | |
| Mercury, Total | 0.81 | 0.18 | 0.11 | | **0.29** | |
| Nickel, Total | 310 | 30 | 18 | | 29 | |
| Zinc, Total | 10000 | 109 | 82 | | **180** | |
| 4,4'-DDD | 13 | 0.0033 | 0.00179 | U | 0.0018 | U |
| 4,4'-DDE | 8.9 | 0.0033 | 0.00179 | U | 0.0018 | U |
| Aroclor 1260 | 1 | 0.1 | 0.0362 | U | 0.038 | U |
| Benzo(a)anthracene | 1 | 1 | 0.25 | | 0.76 | |
| Benzo(a)pyrene | 1 | 1 | 0.25 | | 0.66 | |
| Benzo(b)fluoranthene | 1 | 1 | 0.41 | | 0.94 | |
| Benzo(k)fluoranthene | 3.9 | 0.8 | 0.18 | | 0.34 | |
| Chrysene | 3.9 | 1 | 0.36 | | 0.72 | |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.043 | J | 0.1 | J |
| Indeno(1,2,3-cd)Pyrene | 0.5 | 0.5 | 0.17 | | 0.38 | |
| Phenol | 100 | 0.33 | 0.19 | U | **0.69** | |
| Acetone | 100 | 0.05 | 0.0028 | J | **0.2** | J |
| Benzene | 4.8 | 0.06 | 0.0014 | U | **4.4** | |
| Toluene | 100 | 0.7 | 0.002 | U | **2.6** | |
| Trichloroethene | 21 | 0.47 | 0.0019 | | 0.078 | U |
| Xylenes, Total | 100 | 0.26 | 0.0027 | U | **0.66** | J |

N

0 12.5' 25' 50'
APPROXIMATE SCALE

**CHEMBOX KEY:**

**Value exceedes Restricted Residential Soil Cleanup Objectives**

**Value exceeds Unrestricted Residential Soil Cleanup Objectives**

**Sample Method Detection Limit exceeds Soil Cleanup Objectives**

U = Not detected at the reported detection limit for the sample.

J = Not detected at the method detection limit

E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

NS = No Standard

mg/kg = Milligrams per Kilogram

LEGEND:

APPROXIMATE SITE BOUNDARY

CHAIN LINK FENCE

24" GAS LINE

SOIL SAMPLE LOCATION

NOTES:

1) BASE MAP DEVELOPED FROM PLAN PROVIDED BY PRECISION SURVEYS, ENTITLED "SURVEY OF 233 LANDING ROAD," DATED MARCH 27, 2003, ORIGINAL SCALE 1"=30'.

| NO. | ISSUE/DESCRIPTION | BY | DATE |
|---|---|---|---|

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233 LANDING ROAD
BRONX, NEW YORK

**MAP OF SOIL CHEMISTRY RESULTS**

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
BOWERY RESIDENTS' COMMITTEE

| | | | |
|---|---|---|---|
| PROJ MGR: BA | REVIEWED BY: AE | CHECKED BY: BA | FIGURE |
| DESIGNED BY: AE | DRAWN BY: MT | SCALE: 1" = 25' | 5 |
| DATE: APRIL 2015 | PROJECT NO. 12.0076232.20 | REVISION NO. | SHEET NO. |

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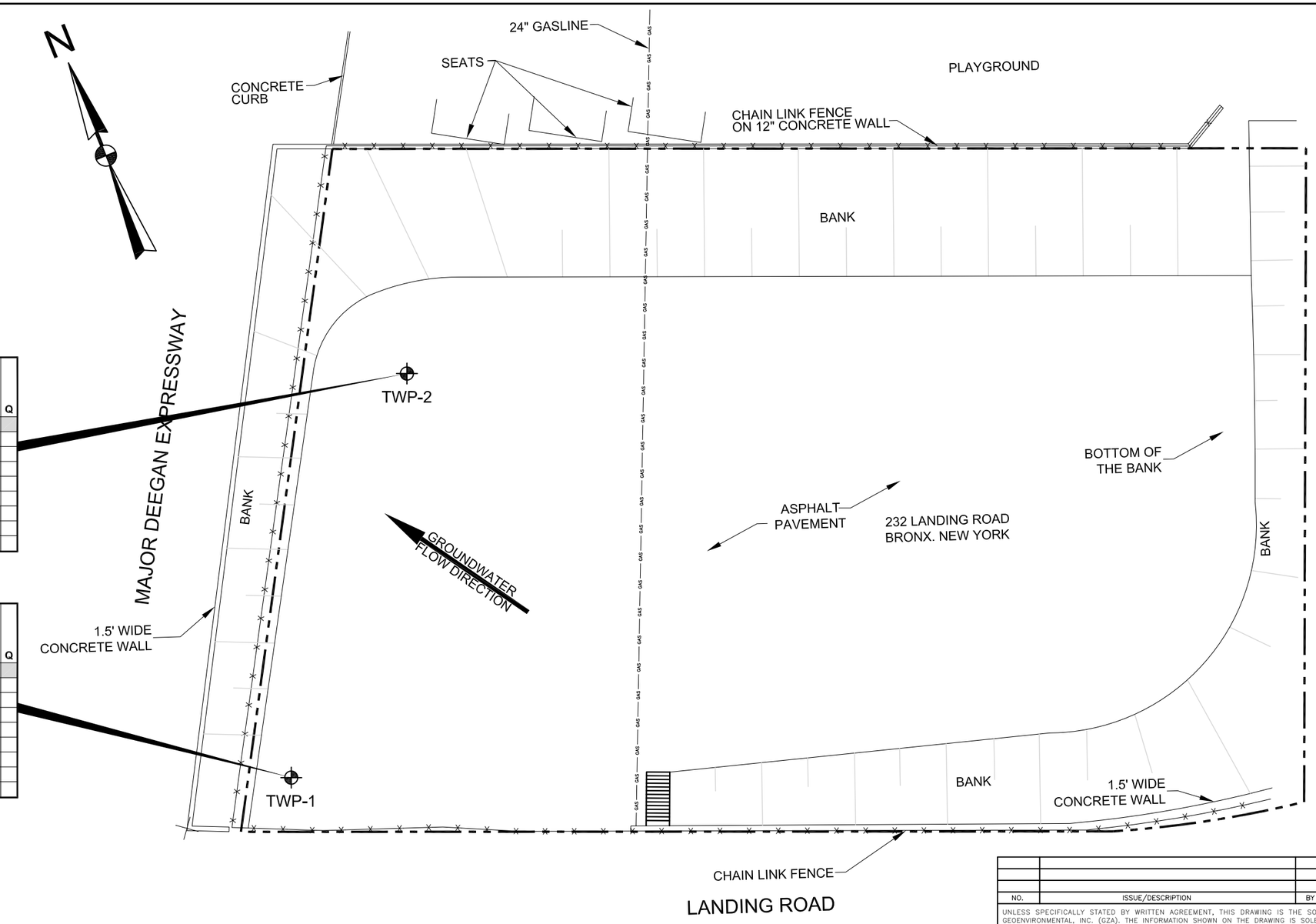


| LOCATION<br>SAMPLING DATE<br>LAB SAMPLE ID<br>UNITS | NEW YORK AMBIENT WATER QUALITY STANDARDS | TW-2<br>3/30/2015<br>L1506286-15<br>ug/l | Q |
|---|---|---|---|
| **Total Metals** | | | |
| Iron, Total | 300 | **440** | |
| Magnesium, Total | 35000 | **45800** | |
| Manganese, Total | 300 | **612.9** | |
| Sodium, Total | 20000 | **334000** | |
| Iron, Dissolved | 300 | 74.2 | |
| Magnesium, Dissolved | 35000 | **43600** | |
| Manganese, Dissolved | 300 | **742.4** | |
| Sodium, Dissolved | 20000 | **379000** | |

| LOCATION<br>SAMPLING DATE<br>LAB SAMPLE ID<br>UNITS | NEW YORK AMBIENT WATER QUALITY STANDARDS | TW-3<br>3/30/2015<br>L1506286-16<br>ug/l | Q |
|---|---|---|---|
| **Total Metals** | | | |
| Iron, Total | 300 | **4900** | |
| Magnesium, Total | 35000 | **59600** | |
| Manganese, Total | 300 | **1553** | |
| Sodium, Total | 20000 | **219000** | |
| Iron, Dissolved | 300 | **3630** | |
| Magnesium, Dissolved | 35000 | **63700** | |
| Manganese, Dissolved | 300 | **1704** | |
| Sodium, Dissolved | 20000 | **229000** | |

**CHEMBOX KEY:**

**Concentrations exceed the NYS- Ambient Water Quality Standards**

U= Not detected at the reported detection limit for the sample

J= Not detected at the Method Detection Limit

LEGEND:

- APPROXIMATE SITE BOUNDARY
- CHAIN LINK FENCE
- 24" GAS LINE
- GROUNDWATER SAMPLE LOCATION

NOTES:

1) BASE MAP DEVELOPED FROM PLAN PROVIDED BY PRECISION SURVEYS, ENTITLED "SURVEY OF 233 LANDING ROAD," DATED MARCH 27, 2003, ORIGINAL SCALE 1"=30'.

0 12.5' 25' 50'

APPROXIMATE SCALE

| NO. | ISSUE/DESCRIPTION | BY | DATE |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

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233 LANDING ROAD
BRONX, NEW YORK

**MAP OF GROUNDWATER CHEMISTRY RESULTS**

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
BOWERY RESIDENTS' COMMITTEE

| | | | |
|---|---|---|---|
| PROJ MGR: BA | REVIEWED BY: AE | CHECKED BY: BA | FIGURE |
| DESIGNED BY: AE | DRAWN BY: MT | SCALE: 1" = 25' | 6 |
| DATE: APRIL 2015 | PROJECT NO. 12.0076232.20 | REVISION NO. | SHEET NO. |

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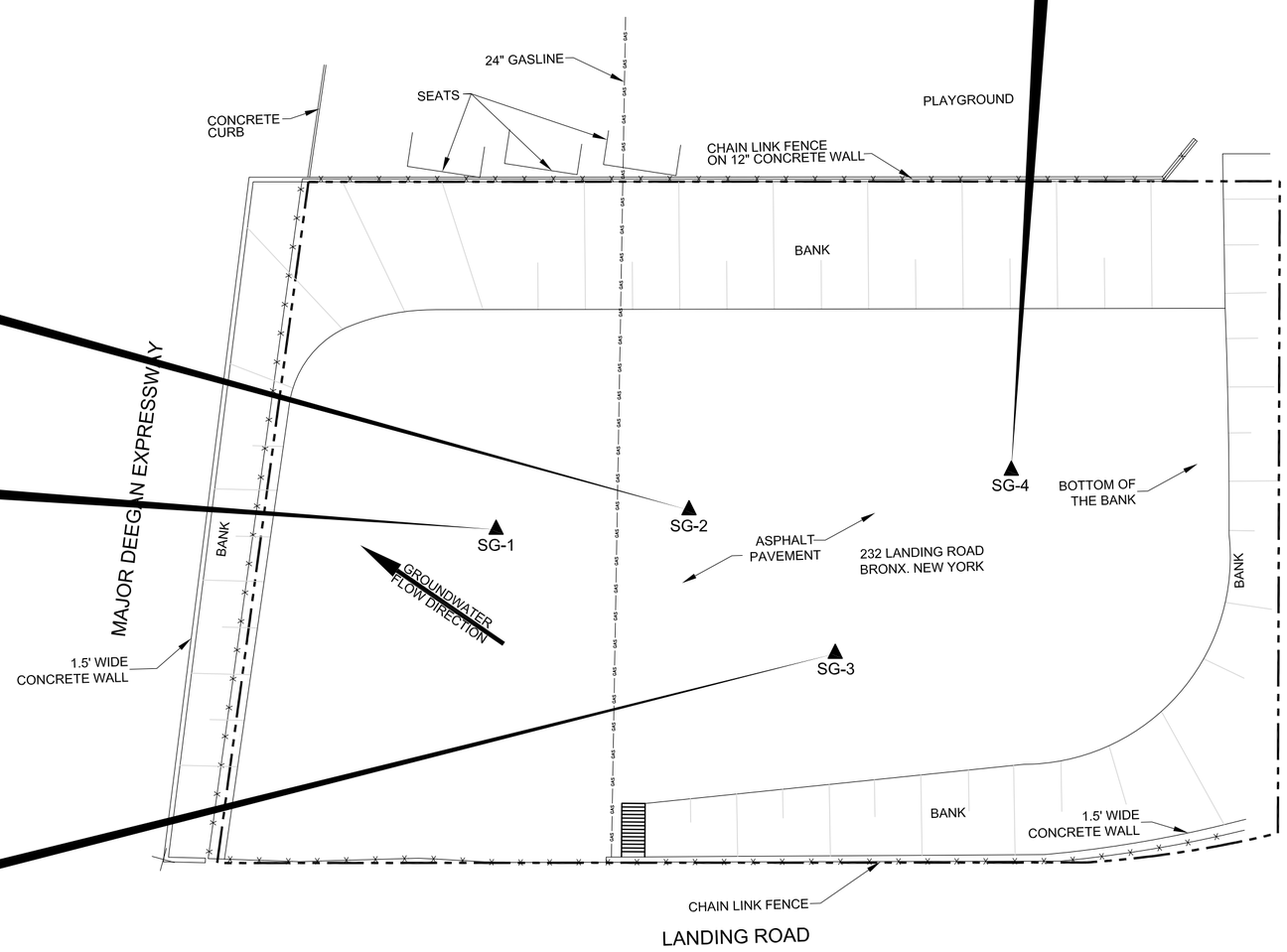
| LOCATION<br>SAMPLE NAME<br>SAMPLING DATE<br>LAB SAMPLE ID<br>UNITS | NYSDOH AGV | NYSDOH Fuel Oil 2003 Upper Fence LImit (2) | USEPA BASE Data 90th Percentile Value(2) | HEI RIOPA 2005 95th Percentile Value(2) | SOIL GAS<br>SG-2<br>3/31/2015<br>L1506295-02<br>ug/m³ | Q |
|---|---|---|---|---|---|---|
| Volatile Organics in Air (by SIM) | | | | | | |
| 1,2,4-Trimethylbenzene | NS | 9.8 | 9.5 | NS | **895** | |
| 1,2-Dichloroethane | NS | 0.4 | <0.9 | NS | **1.62** | U |
| 1,3,5-Trimethybenzene | NS | 3.9 | 3.7 | NS | **236** | |
| 2,2,4-Trimethylpentane | NS | 5 | NS | NS | **12.2** | |
| 2-Butanone | NS | 16 | 12 | NS | 9.26 | |
| 4-Ethyltoluene | NS | NS | 3.6 | NS | **126** | |
| Acetone | NS | 115 | 98.9 | 45.8 | **69.4** | |
| Benzene | NS | 13 | 9.4 | 10 | **11.1** | |
| Cyclohexane | NS | 6.3 | NS | NS | 6.13 | |
| Ethylbenzene | NS | 6.4 | 5.7 | 7.62 | **182** | |
| Heptane | NS | 18 | NS | NS | **44.7** | |
| o-Xylene | NS | 7.1 | 7.9 | 7.24 | **452** | |
| m/p-Xylene | NS | 11 | 22.2 | 22.2 | **921** | |
| Tetrachloroethene | 100 | 2.5 | 15.9 | 6.01 | 2.71 | U |
| Toluene | NS | 57 | 43 | 39.8 | **181** | |
| Trichloroethene | 5 | 0.5 | 4.2 | 1.36 | 2.15 | U |

| LOCATION<br>SAMPLE NAME<br>SAMPLING DATE<br>LAB SAMPLE ID<br>UNITS | NYSDOH AGV | NYSDOH Fuel Oil 2003 Upper Fence LImit (2) | USEPA BASE Data 90th Percentile Value(2) | HEI RIOPA 2005 95th Percentile Value(2) | SOIL GAS<br>SG-1<br>3/31/2015<br>L1506295-01<br>ug/m³ | Q |
|---|---|---|---|---|---|---|
| Volatile Organics in Air (by SIM) | | | | | | |
| 1,2,4-Trimethylbenzene | NS | 9.8 | 9.5 | NS | **737** | |
| 1,2-Dichloroethane | NS | 0.4 | <0.9 | NS | **1.62** | U |
| 1,3,5-Trimethybenzene | NS | 3.9 | 3.7 | NS | **196** | |
| 2,2,4-Trimethylpentane | NS | 5 | NS | NS | **12.5** | |
| 2-Butanone | NS | 16 | 12 | NS | 7.28 | |
| 4-Ethyltoluene | NS | NS | 3.6 | NS | **106** | |
| Acetone | NS | 115 | 98.9 | 45.8 | **52.7** | |
| Benzene | NS | 13 | 9.4 | 10 | **6.52** | |
| Cyclohexane | NS | 6.3 | NS | NS | 6.2 | |
| Ethylbenzene | NS | 6.4 | 5.7 | 7.62 | **134** | |
| Heptane | NS | 18 | NS | NS | **32.5** | |
| o-Xylene | NS | 7.1 | 7.9 | 7.24 | **329** | |
| m/p-Xylene | NS | 11 | 22.2 | 22.2 | **669** | |
| Tetrachloroethene | 100 | 2.5 | 15.9 | 6.01 | 2.71 | U |
| Toluene | NS | 57 | 43 | 39.8 | **143** | |
| Trichloroethene | 5 | 0.5 | 4.2 | 1.36 | 2.15 | U |

| LOCATION<br>SAMPLE NAME<br>SAMPLING DATE<br>LAB SAMPLE ID<br>UNITS | NYSDOH AGV | NYSDOH Fuel Oil 2003 Upper Fence Limit (2) | USEPA BASE Data 90th Percentile Value(2) | HEI RIOPA 2005 95th Percentile Value(2) | SOIL GAS<br>SG-3<br>3/31/2015<br>L1506295-03<br>ug/m³ | Q |
|---|---|---|---|---|---|---|
| Volatile Organics in Air (by SIM) | | | | | | |
| 1,2,4-Trimethylbenzene | NS | 9.8 | 9.5 | NS | **1010** | E |
| 1,2-Dichloroethane | NS | 0.4 | <0.9 | NS | **1.62** | U |
| 1,3,5-Trimethybenzene | NS | 3.9 | 3.7 | NS | **234** | |
| 2,2,4-Trimethylpentane | NS | 5 | NS | NS | 1.87 | U |
| 2-Butanone | NS | 16 | 12 | NS | **301** | |
| 4-Ethyltoluene | NS | NS | 3.6 | NS | **160** | |
| Acetone | NS | 115 | 98.9 | 45.8 | **245** | |
| Benzene | NS | 13 | 9.4 | 10 | 4.6 | |
| Cyclohexane | NS | 6.3 | NS | NS | 4.27 | |
| Ethylbenzene | NS | 6.4 | 5.7 | 7.62 | **101** | |
| Heptane | NS | 18 | NS | NS | 16.7 | |
| o-Xylene | NS | 7.1 | 7.9 | 7.24 | **298** | |
| m/p-Xylene | NS | 11 | 22.2 | 22.2 | **586** | |
| Tetrachloroethene | 100 | 2.5 | 15.9 | 6.01 | **16.3** | |
| Toluene | NS | 57 | 43 | 39.8 | **73.9** | |
| Trichloroethene | 5 | 0.5 | 4.2 | 1.36 | **83.8** | |

| LOCATION<br>SAMPLE NAME<br>SAMPLING DATE<br>LAB SAMPLE ID<br>UNITS | NYSDOH AGV | NYSDOH Fuel Oil 2003 Upper Fence Limit (2) | USEPA BASE Data 90th Percentile Value(2) | HEI RIOPA 2005 95th Percentile Value(2) | SOIL GAS<br>SG-4<br>3/31/2015<br>L1506295-04<br>ug/m³ | Q |
|---|---|---|---|---|---|---|
| Volatile Organics in Air (by SIM) | | | | | | |
| 1,2,4-Trimethylbenzene | NS | 9.8 | 9.5 | NS | **924** | |
| 1,2-Dichloroethane | NS | 0.4 | <0.9 | NS | **4.65** | |
| 1,3,5-Trimethybenzene | NS | 3.9 | 3.7 | NS | **208** | |
| 2,2,4-Trimethylpentane | NS | 5 | NS | NS | **36.8** | |
| 2-Butanone | NS | 16 | 12 | NS | 2.95 | U |
| 4-Ethyltoluene | NS | NS | 3.6 | NS | **103** | |
| Acetone | NS | 115 | 98.9 | 45.8 | 9.88 | |
| Benzene | NS | 13 | 9.4 | 10 | **32.6** | |
| Cyclohexane | NS | 6.3 | NS | NS | **8.3** | |
| Ethylbenzene | NS | 6.4 | 5.7 | 7.62 | **69.9** | |
| Heptane | NS | 18 | NS | NS | **28.3** | |
| o-Xylene | NS | 7.1 | 7.9 | 7.24 | **211** | |
| m/p-Xylene | NS | 11 | 22.2 | 22.2 | **407** | |
| Tetrachloroethene | 100 | 2.5 | 15.9 | 6.01 | **13.5** | |
| Toluene | NS | 57 | 43 | 39.8 | **85.5** | |
| Trichloroethene | 5 | 0.5 | 4.2 | 1.36 | **174** | |




**CHEMBOX KEY:**

**Result exceeds the range of all background databases listed**

**Result exceeds the range of all background databases listed except the NYSDOH AGV**

**Method detecttion level exceeds a background database liste**

ug/m3 = micrograms per cubic meter

NS= No Standard

J = Estimated Value

AGV = Air Guideline Value

ASTM = American Society of Testing and Materials

NYSDOH = New York State Department of Health

BASE = Building Assessment and Survey Evalution

HEI RIOPA = Health Effect Institute Relationship of Indoor, Outdoor and Personal Air

LEGEND:

APPROXIMATE SITE BOUNDARY

CHAIN LINK FENCE

24" GAS LINE

SOIL GAS SAMPLE LOCATION

NOTES:

1) BASE MAP DEVELOPED FROM PLAN PROVIDED BY PRECISION SURVEYS, ENTITLED "SURVEY OF 233 LANDING ROAD," DATED MARCH 27, 2003, ORIGINAL SCALE 1"=30'.

| NO. | ISSUE/DESCRIPTION | BY | DATE |
|---|---|---|---|

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233 LANDING ROAD
BRONX, NEW YORK

**MAP OF SOIL VAPOR CHEMISTRY RESULTS**

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
BOWERY RESIDENTS' COMMITTEE

| | | | |
|---|---|---|---|
| PROJ MGR: BA | REVIEWED BY: AE | CHECKED BY: BA | FIGURE |
| DESIGNED BY: AE | DRAWN BY: MT | SCALE: 1" = 25' | 7 |
| DATE: APRIL 2015 | PROJECT NO. 12.0076232.20 | REVISION NO. | SHEET NO. |

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# APPENDIX A

# PREVIOUS INVESTIGATION REPORT

**PHASE I ENVIRONMENTAL SITE ASSESSMENT AND VAPOR ENCROACHMENT ASSESSMENT**
**233 LANDING ROAD**
**BRONX, NEW YORK**
**BLOCK 3236, LOT 25**

**PREPARED FOR:**
Bowery Residents' Committee
131 West 25th Street- 12th Floor
New York, NY 10001

**PREPARED BY:**
GZA GeoEnvironmental, Inc.
55 Lane Road, Suite 407
Fairfield, New Jersey 07004

October 29, 2014
File No. 12.0076232.10

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GZA
GeoEnvironmental, Inc.

*Engineers and Scientists*

October 29, 2014
File No. 12.0076232.10

Bowery Residents' Committee
131 West 25th Street- 12th Floor
New York, NY 10001

Attention: Taso Vassilou

Re: Phase I Environmental Site Assessment
233 Landing Road
Bronx, New York

55 Lane Road
Suite 407
Fairfield, NJ 07004
(973) 774-3300
FAX 973-774-3350
www.gza.com

Dear Mr. Vassilou:

In accordance with our proposal dated October 7, 2014 GZA GeoEnvironmental, Inc. (GZA) is pleased to provide the attached Phase I Environmental Site Assessment Report. This assessment was completed in general accordance with the guidelines described in ASTM Standard Practice E1527-13 for Phase I Environmental Site Assessments.

This report is based on our review of available historical and environmental records, visual observations of the surface of the subject and adjoining properties, and personal interviews with available persons having knowledge of the property. **Section 12.0** of the report, our Findings and Conclusions, is considered an Executive Summary, and should be reviewed in conjunction with the entire report.

We hope this satisfies your present needs. If you need any additional information, please call Benjamin Alter at 973-774-3309.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

Arsheen Ehtesham
Assistant Project Manager

David Winslow PG, Ph.D
Consultant/Reviewer

Benjamin Alter PG, LSRP
Principal / Environmental Professional

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# 1.0 INTRODUCTION

## 1.1 PROJECT AUTHORIZATION

This report presents the results of a Phase I Environmental Site Assessment conducted by GZA GeoEnvironmental, Inc. (GZA) for Bowery Residents' Committee (Client) at property identified as 233 Landing Road in Bronx, New York (Site). The Site visit portion of the environmental assessment was conducted on October 23, 2014. Authorization to proceed on this project was granted in accordance with GZA's signed proposal dated October 7, 2014.

The scope of work described below was designed to be in general accordance with the ASTM Standard Practice for Phase I Environmental Site Assessments, E 1527-13 (ASTM 1527-13) and the ASTM Standard Practice for Vapor Encroachment Assessments, E2600-10. As specified in our proposal for this work, we have assumed that the purpose of this report is to assist the User of this report in qualifying for Landowner Liability Protection (LLP) against CERCLA liability. We have also assumed that this assessment is not being funded, in whole or in part, with a federal grant under the EPA Brownfield Assessment and Characterization Program, and is not being funded by the US Small Business Administration.

## 1.2 PROJECT OBJECTIVES

The objectives of this Phase I Environmental Site Assessment were:

- To render an opinion as to whether surficial or historical evidence indicates the presence of recognized environmental conditions which could result in the presence of hazardous materials in the environment, as defined in the American Society for Testing and Materials (ASTM) Standard Practice E1527-13 for Phase I Environmental Site Assessments;
- To permit the User of this assessment to satisfy one of the requirements to qualify for certain Landowner Liability Protections under CERCLA; and

As defined by ASTM Method E1527, "…the term recognized environmental condition means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment." *De minimis* conditions are not recognized environmental conditions.

The objective of the VEA was to evaluate whether potential vapor encroachment conditions (VECs), as defined by ASTM E2600-10, are present at the Site. ASTM Standard Practice E2600-10 defines a VEC as "the presence or likely presence of chemical of concern vapors in the subsurface of the target property caused by the release of vapors from contaminated soil or groundwater or both either on or near the target property."

## 1.3 SCOPE OF SERVICES

GZA's assessment of the Site was completed in general accordance with ASTM E1527-13 and GZA's proposal for services. GZA's scope of services consisted of the following activities:

- Review of federal and state regulatory agency databases identified by ASTM for the Site and a selected radius around the Site;
- Contact with local environmental regulatory agencies to inquire about environmental conditions at the Site and in its vicinity;
- Review of the Site history through available ASTM Standard Historical Sources;
- A Site reconnaissance to make surficial observations for evidence of recognized environmental conditions;
- A vicinity reconnaissance of properties within ¼ mile of the Site;
- A review of adjoining properties to identify the potential use of hazardous materials;
- An interview with the Key Site Manager as well as certain other available occupants and major tenants regarding the current and past Site usage and facility operations; and
- Preparation of this report of our findings.

Deviations from the ASTM standard practice include:

- ASTM identifies a title search for environmental liens as a User Responsibility and recommends that the User provide it to the Environmental Professional for review. The Client did not provide a title search for our review. In GZA's opinion, however, this is not a significant data gap.
- Past owners were not interviewed as part of this assessment. However, it is unlikely that the past owners would provide information not obtained from other sources.

It should be noted that GZA's study does not include ASTM non-scope considerations, such as asbestos, lead paint, or regulatory compliance.

This report presents GZA's field observations, results, and opinions. This report is subject to modification if subsequent information is developed by GZA or any other party. This report has been prepared in accordance with the limitations presented in **Section 13.0** and **Appendix A.**

# 2.0 BACKGROUND SITE INFORMATION

The following information was obtained during GZA's Site reconnaissance and from interviews with people knowledgeable about the Site. Photographs depicting Site conditions at the time of GZA's assessment are presented in **Appendix B**. Additional information on Site use and area observations and activity at the Site is contained in **Sections 6.0** and **7.0**.

## 2.1 SITE LOCATION

The Site is a 0.85-acre, rectangular-shaped parcel identified as 233 Landing Road, or Block 3236, Lot 26, located in the Bronx, New York. It is located north of Landing Road, west of Fordham Road and east of the Major Deegan Expressway (Interstate-87). A Site *Locus Plan* is attached as Figure 1.

## 2.2 SITE DESCRIPTION

The Site is identified by the New York City Department of Buildings (NYCDOB) and propertyshark.com as Block 3236, Lot 26. The property on which the Site is located is zoned Featured Commercial Property (C2-4/R7-1) and is currently owned by American Self Storage Landing Road LLC. The surrounding area consists of commercial storefronts with upper level apartments. **Figure 2** shows the Site and its neighboring properties.

## 2.3 CURRENT SITE USE

Currently, the Site is an asphalt-covered parking lot serving restaurants and shops in the surrounding area. The New York City Department of Environmental Protection (NYCDEP) has listed the Site as an 'E' designated Site for noise. A more detailed description of Site use is contained in **Section 6.2.3**.

## 2.4 ADJOINING PROPERTIES USE

| **Direction** | **Property Use** |
|---|---|
| North | Fordham Landing Park |
| South | Commercial and retail buildings |
| East | Fordham Landing Park followed by Fordham Road. |
| West | Major Deegan Expressway |

## 2.5 AREA USE

The general area surrounding the Site consists of commercial, retail and residential buildings.

## 2.6 SITE UTILITIES

The Site is currently vacant and unoccupied. Electricity is provided to an on-Site guard shack by Consolidated Edison of New York. The Site is connected to the New York City sewer and water systems. A natural gas line runs through the Site, however no connections were observed.

# 3.0 ENVIRONMENTAL SETTING

The following subsections provide information regarding the general physiographic, hydrologic, and soil conditions in the area of the Site.

## 3.1 REGIONAL PHYSIOGRAPHY

According to the United States Geological Survey (USGS) Map, Central Park, NY-NJ quadrangle, dated 2013, the Site is at an approximate elevation of 50 feet above mean sea level (MSL). The area elevation slopes upward to the east and north and downward to the west and south. The Harlem River is located less than 500 feet west of the Site.

## 3.2 GROUNDWATER CONDITIONS

Groundwater in Bronx County occurs within the unconsolidated sediments and generally occurs from 10 to 20 feet below ground surface. Groundwater also occurs in bedrock within secondary permeability zones such as fractures, faults and foliation planes. In the region of the Inwood Marble, north of Manhattan, a karst aquifer exists, with groundwater occurring in dissolution fractures and voids within the marble.

Previous sub-surface investigations conducted by GEI Consultants Inc. (GEI) and GZA encountered groundwater at 18' and 19' below grade (bg) and calculated that groundwater generally flows to the northwest on the Site. Estimated groundwater levels and/or flow direction(s) may vary due to seasonal fluctuations in precipitation, local usage demands, geology, underground structures, or dewatering operations.

## 3.3 SOIL AND ROCK CONDITIONS

Soil information provided by the Soil Conservation Service STATSGO database classifies soils in the vicinity of the Site as "urban land." Urban land is defined as land with buildings, roads, driveways, parking lots, or other manmade structures. Urban land refers to soils that have been altered or filled by human activities making them unidentifiable from the native conditions (e.g., urban fill).

According to the USGS Bedrock Geologic Maps of Bronx County (Charles Baskerville, 1992), Bronx County is underlain by high grade metamorphic bedrock consisting of a sequence of Cambrian and Ordovician gneiss, schistose-gneiss, and marble. The bedrock beneath the Site is expected to be the Fordham Gneiss (Member B) and located

approximately 30 feet below grade. The Fordham Gneiss is a complex banded gneiss typically consisting of alternating quartz, plagioclase and biotite felsic bands with garnet, quartz, plagioclase, muscovite and microcline leucosomes.

The geologic contacts display a series of northwest trending asymmetric southwestward plunging synforms and antiforms. The southeast facing limbs of these folds are generally gently dipping and the northwest facing limbs are steeper. The northwest trending folds have resulted in a series of northwest trending valleys and ridges.

GZA's subsurface investigation conducted in May 2014 encountered fill material below the asphalt surface to depths ranging from 5 to 10 feet bg. Sand and gravel were encountered below fill materials in all boreholes until bedrock refusal was encountered at 11 to 14 feet bg.

## 4.0 HISTORICAL USE INFORMATION

The Site history was developed from Standard Historical Sources supplied by Environmental Data Resources, Inc. (EDR), available files at the New York City Department of Buildings (NYC DOB) web site and previous investigation reports.

### 4.1 SITE AND AREA HISTORY SUMMARY

Based on the historical sources provided by EDR, previous investigation reports provided by GEI (**Appendix C**) and GZA's May 2014 Site Investigation Report (**Appendix C**), the Site was first developed between 1912 and 1914 with a building labeled "Engine Room" and a ten million cubic foot (cu.ft.) above ground, steel gas holder. This holder and engine room were part of the Consolidated Gas Company Knightsbridge Station. Moreover, the report also stated that the gas stored in this gas holder was produced and purified at a former Manufactured Gas Plant (MGP) located in Bronx. The gas holder was decommissioned in 1950 when the Site property was sold to the City of New York. The Site building was subsequently occupied by New York University Engineering Research Department. Between 1954 and 1961, a portion of the Site was taken over in the construction of Major Deegan Expressway to the west. Between 1984 and 1986 the on-Site building was demolished. The Site has been vacant since then.

Adjacent properties to the south of the Site were occupied by automobile service garages from approximately 1954 to 1995. The general Site vicinity is comprised of commercial and residential buildings. A railroad has been present to the west of the Site since 1896. This railroad is currently operated by Metropolitan Transportation Authority.

### 4.2 CITY DIRECTORIES REVIEW

GZA reviewed City Directories that were obtained from EDR for select years from 1927 to 2013. The Site address is listed as being occupied by New York University Engineering Research Building in the years 1965, 1971 and 1976. The Site is not listed

for any other years. The adjacent property to the south is listed as being occupied by auto garages during the years 1927, 1940 and 1949. The most recent listing for this address is for the year 2008, during which it is listed as being occupied by a restaurant. A copy of the City Directory abstract is provided in **Appendix D**.

## 4.3 HISTORIC TOPOGRAPHIC MAP REVIEW

Historical topographic maps for the years 1897, 1947, 1956, 1966, 1979 and 1995 were obtained from EDR. The historic map findings are discussed below. Copies of the Historic Topographic Maps are provided in **Appendix E**.

Year 1897, Scale 1:62,500
The Site area appears to be undeveloped. The general Site vicinity is developed with roads and small buildings. A railroad is present to the west of the Site.

Year 1947, Scale 1:25,000
The Site area appears to be developed with a gas holder. The general Site vicinity has additional development compared to the 1897 map. The railroad is still present to the west. University Heights Bridge is in its current configuration to the west of the Site. US Veterans Hospital is now in place to the north of the Site. Bronx University Park is now present to the south of the Site.

Year 1956, 1966, 1979, 1995 Scale 1:24,000
The Site area is indicated as urban area. General Site vicinity is seen with additional residential and commercial development compared to the 1947 map. The Major Deegan Expressway is now in place to the west of the Site.

## 4.4 AERIAL PHOTOGRAPH REVIEW

Aerial photographs provided by EDR and dated 1941, 1951, 1954, 1961, 1966, 1974, 1976, 1983, 1994, 1996, 2006, 2009, and 2011 were reviewed. The aerial photo findings are discussed below. Copies of the Aerial Photographs are provided in **Appendix F**.

Year 1941, Scale 1 inch = 500 feet
The Site is occupied with a building and a gas holder. Additional building footprints are seen to the north of the gas holder. The general Site vicinity is developed with commercial and residential buildings. A railroad is present to the west of the Site. University Heights Bridge is present in its current configuration.

Year 1951, Scale 1 inch = 500 feet
The building present has expanded to the west. The gas holder and buildings are still present to the north of the Site. Additional residential development is seen in the general Site vicinity.

Year 1954, Scale 1 inch = 500 feet
The gas holder and additional buildings present to the north of the Site are not present in this photograph. Clearing and construction for the Major Deegan Expressway can be seen

to the west of the Site. General Site vicinity is seen with additional residential and commercial development.

Year 1961, 1966, 1974, Scale 1 inch = 500 feet
The Site contains a building and a paved parking lot. The areas to the north of the Site are now open recreational fields. A cleared parking area is now seen to the east of the Site along Fordham Ave. The Major Deegan Expressway is now present in its current configuration.

Year 1976, Scale 1 inch = 1000 feet
The quality of the photograph is too poor to identify any changes.

Year 1983, Scale 1 inch = 500 feet
The Site is consistent with the 1974 photograph. The general Site vicinity contains additional residential and commercial development.

Year 1994, Scale 1 inch = 500 feet
The quality of the photograph is too poor to identify any changes.

Year 1995, Scale 1 inch = 500 feet
The on-Site building is no longer present. The Site area is a cleared parcel of vacant land. The general Site vicinity is consistent with the 1983 photograph.

Year 2006, 2009, 2011 Scale 1 inch = 500 feet
The Site and general vicinity are in its current configuration.

## 4.5 HISTORIC ATLAS REVIEW

GZA reviewed historic Sanborn maps from EDR for the period 1896 through 2007. Copies of these maps are provided in **Appendix G**. GZA's observations are discussed below.

1896 Map
The Site area appears to be vacant and undeveloped. Fordham Road is present to the south and east of the Site and Harlem Street is present to the west of the Site followed by an unnamed rail like. The general Site vicinity is vacant with some dwellings present to the south and southeast.

1900 Map
The Site area is still vacant. Fordham Road is still present to the south and east of the Site and Harlem River Terrace is present to the west of the Site followed by the Fordham Heights Station building. The general Site vicinity is comprised of additional dwellings and stores.

1914 Map
The Site area is occupied by a single story brick building used as an engine room by Consolidated Gas Co. Fordham Road to the south has been renamed as West 184$^{th}$ Street.

A 10 million cubic foot steel gas holder operated by Consolidated Gas Co. is present on the adjoining property to the north of the Site, extending slightly onto the Site. The railroad to the west of the Site is now named "NY Central and Hudson River Railroad (Putnam Division)."

1945 and 1950 Map

The Site and areas to the north, west and east are consistent with 1914 conditions. Additional development is seen to the south and southeast. West 184th Street has been renamed Landing Road. Four buildings occupied by garages are present to the south of Landing Road. Three of the garages contain eight 550-gallon gasoline underground storage tanks (USTs). A gasoline filling station containing eight 550-gallon USTs is seen south of Fordham Road.

1977, 1978, 1979, 1980 Map

The Site building is now occupied by NY University Research Building. The gas holder is no longer present. A single story building is now present to the west of the Site and is occupied by a filling station. The building to the south of the Site is now occupied by an auto sales and service center. The USTs are no longer shown on the map. However, a "gasoline tank" notation is seen in the eastern corner of the garage. The general Site vicinity is occupied by dwellings and commercial buildings.

1986, 1989, 1991, 1992 Map

The Site area is now vacant. The general Site vicinity is consistent with the 1980 map.

1993 Map

The Site area is consistent with the 1992 map. The adjacent property is now subdivided into northern and southern parcels. The northern parcel is vacant and the southern parcel is occupied by V-O Auto Sales. No gasoline USTs are depicted on this property. The general Site vicinity is consistent with the 1992 map.

1995, 1996, 1998 Map

The Site area is consistent with the 1993 map. The adjacent areas to the north of the Site are now listed as a park. A single story building identified as "Comfort Sta" is depicted in the park area. Both parcels of the adjacent property to the south are depicted as vacant. The adjacent property to the west is now depicted as an auto repair shop. The general Site vicinity is consistent with the 1993 map.

2001, 2002, 2003, 2004, 2005, 2006 and 2007 Map

The Site area and general vicinity are consistent with the 1998 maps. Except the adjacent property to the southeast of the Site is now occupied by a self-storage facility.

## 4.6 TITLE SEARCH AND HISTORY OF OWNERSHIP

A title search was not conducted by GZA. However, a title search was conducted by GEI as part of their 2004 Site Characterization Report. The findings are discussed below.

A report prepared by GEI (see Section 5.0) provided a summary of a chain-of-title provided by Commonwealth Land Title Insurance Company of New York, New York. The title search indicates that the majority of the Site was acquired by Consolidated Gas Company of New York (Consolidated Gas), a predecessor to Consolidated Edison of New York (Con Edison) in 1910. The Site was subdivided and sold by Con Edison between 1944 and 1954. The Site is the southwestern corner of the larger property and was owned by Con Edison until 1951.

### 4.7 BUILDING DEPARTMENT RECORDS

GZA reviewed files available on the NYCDOB on-line Building Information System. Four Certificates of Occupancy (CO) were identified for the years 1956, 1957, 1960, and 1963. The CO dated September 12, 1956 was issued for a three-story (cellar, intermediate floor, and first) building with a laboratory preparation room, boiler room, storage, machine shop, chemical laboratory and a fire department approval for fuel oil installation. The second CO is dated November 6, 1957 and lists an additional unoccupied second floor to the building. The third CO is dated July 25, 1960 and lists an additional laboratory occupied upper intermediate floor. This CO does not have a fire department note regarding fuel oil installation. The last CO is dated May 27, 1953 and it is consistent with the July, 1960 CO.

There were no environmentally-related violations or complaints recorded for the Site. Copies of Building Department records are included in **Appendix C**.

### 4.8 PROPERTY TAX FILES

GZA reviewed Site property tax files on the NYC Department of Finance ARCIS website. No environmentally relevant information was ascertained from these files.

## 5.0 PREVIOUS SITE INVESTIGATIONS

This section describes two previous Site investigations, conducted by GEI in 2004 and by GZA earlier this year. Copies of these reports and related correspondences are provided in **Appendix C**.

Site Characterization Report, Kingsbridge Station, dated October 1, 2004, prepared by GEI Consultants

GEI performed due diligence on behalf of Con Edison for several connected properties collectively known as the Kingsbridge Holder Station. According to this report, the Site formerly contained a building associated with a gas holder that was mostly located just north of the Site and whose southern edge was on the Site.

GEI's Site Characterization entailed the installation of numerous boreholes and groundwater monitoring wells in the former Kingsbridge Holder Station. As part of that

effort, two boreholes and one permanent groundwater monitoring well were installed on the Site. Soil samples were collected from the two boreholes and the borehole that was converted into the monitoring well at 3' to 4' below grade (bg). Eight other soil samples were collected at selected intervals in the three boreholes at depths ranging from 13' to 40' bg. The soil samples were analyzed for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). A soil sample collected at 3' to 4' bg and a soil sample collected at 21' to 23' bg in separate boreholes contained several SVOCs at concentrations above the New York State Department of Environmental Conservation (NYSDEC) standards in effect at that time. None of the soil samples were collected near the surface.

The monitoring well was installed in the southeast corner of the Site. The groundwater sample collected from the monitoring well was analyzed for VOCs, SVOCs, polychlorinated biphenyls (PCBs), and Target Analyte List (TAL) metals. The sample did not contain exceedances of any targeted compounds.

Based on the results from this report, NYSDEC issued a No Further Action (NFA) letter with a Covenant Not To Sue on September 12, 2005 to Con Edison for Kingsbridge Holder Station, which includes the Site.

<u>Limited Site Investigation Report 233 Landing Road Bronx, NY dated May 15, 2014 prepared by GZA GeoEnvironmental Inc.</u>

GZA conducted a limited Phase II Site Investigation at the Site in April, 2014. The investigation included the installation of four soil borings (GZA-1 thru GZA-4) to a depth of 15 feet bg or until refusal at randomly located areas of the Site. Soil samples were collected from 0.5 to 1.5 feet bg at the four borehole locations and additionally from 10 to 11 bg at borehole locations GZA-1 and GZA-2. Soil samples were analyzed for Target Compound List (TCL) SVOCs, PCBs, and TAL metals.

One groundwater sample (TW-1) was collected from a temporary well point installed to a depth of 29 feet bg. This sample was amazed for VOCs, SVOCs, PCBs, Pesticides and TAL metals. One soil vapor sampling point (SG-1) was installed at the location of soil boring GZA-1. This soil gas sample was analyzed for VOCs using USEPA Method TO+15

GZA's investigation detected historic urban fill typical of soil with a long industrial history. Several SVOCs were detected in concentrations exceeding all regulatory criteria in deeper soils. Copper and mercury were also detected in concentration levels exceeding regulatory criteria in deeper soil samples. No exceedances of any targeted compounds were detected in groundwater, except for certain metals whose presence may be indicative of background conditions. Several VOCs were present in a soil gas sample at concentrations above State guidelines. The following was recommended with regard to soils and soil gas at the Site:

- Soils that will be excavated during the construction of the proposed building may be contaminated. Excavated soils should be properly characterized to determine whether they are contaminated. Contaminated soils, if sent off-Site must be sent to a disposal facility licensed to accept contaminated soils.

- Exposure to contaminated soils remaining on Site should be eliminated by the installation of engineering controls (e.g., asphalt or concrete cover), or by the emplacement of at least two feet of clean fill on top of the contaminated soils.

- The exceedances in the soil gas sample do not appear to be related to on-Site conditions. Nevertheless, they represent a potential vapor intrusion hazard to the proposed building. The building should be equipped with a vapor barrier to prevent intrusion of vapor from the subsurface into the interior breathing air of the building.

## 6.0 SITE RECONNAISSANCE

The purpose of GZA's Site reconnaissance was to make surficial observations for evidence of recognized environmental conditions which could result in the presence of oil or hazardous materials in the environment. GZA Assistant Project Manager Arsheen Ehtesham visited the Site on October 23, 2014. Observations were documented and pertinent features or areas of environmental concern were photographed and are referenced in the text. Selected photographs are included in **Appendix B**, and **Figure 2**, *Site Plan*, depicts pertinent Site features. A summary of each area assessed is presented below.

### 6.1 EXTERIOR OBSERVATIONS

The periphery of the Site, and those portions of the property not occupied by structures, was visually assessed for recognized environmental conditions.

#### 6.1.1 Underground Storage Tanks

No surficial evidence of underground storage tanks (USTs) (*i.e.*, fill ports, vent pipes, pavement repairs, etc.) was observed during the exterior Site reconnaissance.

#### 6.1.2 Aboveground Storage Tanks

No aboveground storage tanks (ASTs) were observed on the exterior portions of the Site.

#### 6.1.3 Hazardous Substances or Petroleum Products Use

No storage, use, or surficial evidence of the disposal of chemicals, hazardous substances, or petroleum products was observed on the exterior of the Site.

#### 6.1.4 Staining

No surficial staining (other than typical parking lot staining) was observed; however, observations were limited due to excessive leaf cover.

#### 6.1.5 Electrical Transformers/Equipment

No electrical transformers or equipment were observed.

#### 6.1.6 Drywells and Sumps

No surficial evidence of exterior drywells or sumps was observed during GZA's Site reconnaissance.

#### 6.1.7 Pits, Ponds, and Lagoons

No surficial evidence of pits, ponds, or lagoons was observed during GZA's Site reconnaissance.

#### 6.1.8 Wells

No surficial evidence of wells was observed during GZA's Site reconnaissance. A monitoring well installed for a subsurface investigation is discussed in Section 5.0 of this report.

#### 6.1.9 Solid Waste

There is no solid waste collection at the Site.

#### 6.1.10 Process Wastewater

No surficial evidence of the on-Site disposal of process wastewater was observed.

#### 6.1.11 Septic System

There is no building on Site, therefore no septic systems or connections to the sewer system were observed.

#### 6.1.12 Stressed Vegetation

No stressed vegetation was observed on the Site.

#### 6.1.13 Soil/Water Sampling

Soil and groundwater samples collected as part of two subsurface investigations are discussed in Section 5.0 of this report. No additional subsurface explorations or chemical analyses have been included as part of GZA's scope of services.

#### 6.1.14 Oil/Water Separators

No surficial evidence of oil/water separators was observed.

#### 6.1.15 Surface Water Runoff

Surface water run-off is anticipated to flow along the grade towards the west. The Site has a steep slope towards the west.

#### 6.1.16 Hydraulic Equipment and Lifts

No hydraulic equipment was observed on the exterior portion of the Site.

#### 6.1.17 Other Observations

No other significant exterior observations were made.

### 6.2 INTERIOR OBSERVATIONS

The interior of the Site, including occupied areas and storage areas, was visually assessed for evidence of recognized environmental conditions. The conditions observed are presented below.

#### 6.2.1 Construction

There are no permanent buildings on Site. Two temporary structures are present; a guard shack and a vacant trailer office space.

#### 6.2.2 Heating and Cooling

There are no buildings on Site. Therefore, no heating and cooling is provided.

#### 6.2.3 Current Site Use

The Site is currently used as a parking lot.

#### 6.2.4 Chemical Use and Storage Areas

During GZA's Site visit no chemicals and hazardous materials (other than typical cleaning materials) were observed being used at the Site.

#### 6.2.5 Hazardous Wastes Generated and Waste Storage Areas

During GZA's Site visit, no hazardous wastes were observed at the Site.

#### 6.2.6 Stains or Corrosion

No significant staining was observed.

#### 6.2.7 Floor Drains or Sumps

No evidence of floor drains or sumps was observed.

#### 6.2.8 Hydraulic Lifts and Elevators

No evidences of hydraulic lifts or elevators were observed at the Site

#### 6.2.9 Other Interior Observations

No other significant interior observations were made.

## 7.0 VICINITY RECONNAISSANCE

As part of GZA's Site assessment, a reconnaissance of the properties adjoining the Site, as well as the vicinity within a 0.25-mile radius of the Site, was conducted from public properties. The results of GZA's vicinity reconnaissance are presented below.

### 7.1 ADJOINING PROPERTIES

The Site is adjoined to the north by Fordham Landing Park, to the south by a restaurant and a self-storage facility to the east by a 24-hour parking lot and to the west by Major Deegan Expressway. No hazardous material use is anticipated in any of the above facilities. Household chemical based cleaning supplies are anticipated to be used at the restaurant. However, these are not anticipated to impact the Site at this time.

### 7.2 VICINITY PROPERTIES AND USE

Properties within an approximate 0.25-mile radius of the study Site include mostly residential buildings, a public park, and commercial properties. Two dry cleaning shops (D & C Laundromat Dry Cleaner and Fordham Cleaners) are located within 1/3 of a mile from the Site on Sedgwick Avenue and West Fordham Place, respectively. An active gasoline station is located 0.069 miles southwest of the Site. Bulk petroleum use and storage is anticipated at this Site. No violations or open spill numbers were identified for either of these facilities therefore they are not anticipated to impact the Site at this time. Some of these facilities are discussed in Section 11.00 of this report as potential VECs.

## 8.0 REGULATORY DATABASE REVIEW

The following section is based on public information obtained from various federal, state, and local agencies that maintain environmental regulatory databases. These databases provide information about the regulatory status of a property and incidents involving the use, storage, spillage, or transportation of oil or hazardous materials. Information was

obtained by GZA personnel and by a professional data search company, Electronic Data Resources (EDR) of Connecticut, on October 21, 2014. Federal, state and local regulatory information is presented in **Appendix H**. A discussion of the reviewed information is presented in the following sections.

## 8.1 FEDERAL AGENCY DATABASES

Nine federal databases were provided by EDR and reviewed by GZA. These reports and the search distances used to review these databases are presented below.

| Database | Radius Searched | Hits Within Radius Searched |
|---|---|---|
| **National Priorities List (NPL), Delisted NPL.** The NPL, or Superfund sites list, is EPA's database of confirmed uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund program. | 1 Mile | 0 |
| **Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS).** The CERCLIS database is a compilation by EPA of the sites that EPA has investigated or is currently investigating for a release or threatened release of hazardous substances. | ½ Mile | 0 |
| **CERCLIS No Further Remedial Action Planned (NFRAP).** The CERCLIS NFRAP database is EPA's list of sites that an assessment has been completed and no further steps will be taken to list this Site on EPA's National Priority List**.** | ½ Mile | 0 |
| **Resource Conservation and Recovery Act (RCRA) Generator Database.** EPA's RCRA program identifies hazardous waste generators and tracks hazardous waste from the point of generation to the point of disposal. | Site and adjoining properties | 0 |
| **RCRA Treatment, Storage and Disposal (TSD) Facility Database.** The RCRA TSD Facilities database is a compilation by EPA of reporting facilities that store, treat or dispose of hazardous waste. | ½ Mile | 0 |
| **RCRA Corrective Action Database (CORRACTS).** The RCRA CORRACTS list is EPA's list of treatment, storage, or disposal facilities subject to corrective action under RCRA. | 1 Mile | 0 |
| **Emergency Response Notification System (ERNS).** The ERNS list is a national database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, U.S. Coast Guard, National Response Center, and Department of Transportation. | Site only | 0 |
| **Federal Institutional/Engineering Controls Registries.** The USEPA maintains a list of sites with engineering and institutional controls in place. Engineering controls include caps, vapor barriers and fences to eliminate contamination pathways. Institutional controls are administrative measures that often involve deed restrictions. | Site Only | 0 |

The Site and neighboring properties were not identified in any of the federal databases searched by EDR within the ASTM recommended search radii.

## 8.2 STATE AGENCY DATABASE REVIEW

State databases were provided by EDR and reviewed by GZA. These reports and the search distances used to review these databases are presented in the table below.

| Database | Radius Searched | Hits Within ASTM-Recommended Distance |
|---|---|---|
| **NY Spills.** NY Spills: Data collected on spills reported to NYSDEC is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date. | Site and Adjoining Properties | 0 |
| **New York State Hazardous Waste Disposal Site (SHWS).** The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State. | 1 Mile | 3 |
| **Petroleum Bulk Storage Tanks (UST/AST).** The Underground Storage Tank database contains registered USTs. The Aboveground Storage Tank database contains registered ASTs. USTs and ASTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data comes from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database. | Site and Adjoining Properties | 0 |
| **NY Chemical Bulk Storage Database (NY CBS AST and NY CBS).** This database includes facilities storing hazardous substances listed in the 6 NYCRR Part 597, in aboveground tanks with the capacities of 185 gallons or greater, and/or in the underground tanks of any size. | Site and Adjoining Properties | 0 |
| **State and Tribal List of Active Landfills (SWF/LF).** The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid and waste disposal facilities or landfills in a particular state. | ½ Mile | 0 |

| Database | Radius Searched | Hits Within ASTM-Recommended Distance |
|---|---|---|
| **State and Tribal Engineering/Institutional Control Registry (ENG/INST CONTROLS).** A listing of sites with engineering controls in place, including various forms of caps, building foundations, liners, and treatment methods or institutional controls including groundwater use restrictions, construction restrictions, post remediation care requirements, and deed restrictions. | ½ Mile | 2 |
| **Leaking Underground Storage Tanks (LTANKS).** The Leaking Storage Tank Incident Reports are records that contain an inventory of reported leaking storage tank incidents report from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. | ½ Mile | 59 |
| **State and Tribal Voluntary Cleanup Sites (VCP).** VCP: Voluntary Cleanup Agreements. The voluntary remedial program uses private monies to get contaminated sites remediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination. | ½ Mile | 0 |
| **State and Tribal Brownfield Sites (BROWNFIELDS)** | ½ Mile | 0 |
| **Manufactured Gas Plants (MGP).** Coal gas plants were used in the US from 1800 to 1950. | 1 Mile | 2 |
| **NY E Designation.** Lots designation with "E" on the Zoning Maps of the City of the New York for potential hazardous material contamination, air and/or noise quality impacts. | ⅛ Mile | 3 |

The database identified the Site as having an E-designation for 'Window Wall Attenuation and Alternate Ventilation'. Since no building is present on the Site, this listing is not anticipated to impact the Site at this time.

### 8.2.1 New York Spills (NY Spills) Database

The database did not identify any facilities within the prescribed search radius.

### 8.2.2 New York State Hazardous Waste Disposal Site (SHWS)

The database identified three facilities within 1 mile of the Site. All three facilities are located cross-gradient, or at a lower elevation than the Site and are not anticipated to impact the Site at this time.

### 8.2.3 Petroleum Bulk Storage Tanks (UST/AST) Database

The database did not identify any facilities within the prescribed search radius.

#### 8.2.4 NY Chemical Bulk Storage Database (NY CBS AST and NY CBS)

The database did not identify any facilities within the prescribed search radius.

#### 8.2.5 Leaking Underground Storage Tanks (LTANKS) Database

The database identified 59 LTANKS listed facilities located within ½ mile of the Site. Of the 59 cases, only three cases are listed without a case closure date. These 3 facilities are located downgradient from the Site and therefore are not anticipated to impact the Site at this time.

#### 8.2.6 Brownfields Site List (BROWNFIELDS)

The database did not identify any facilities within the prescribed search radius..

#### 8.2.7 Manufactured Gas Plants (MGP) Database

The database identified two MGP facility located within the prescribed radius search. The facility identified as Con Edison – Knightsbridge Station MGP is the former MGP facility located on an adjacent to the Site. This facility is discussed in detail in Section 5.0 of this report. NYSDEC issued an NFA for this Site in September 2012. Therefore this former MGP is not anticipated to impact the Site at this time.

The second MGP facility is listed as Con Edison- Broadway/Dyckman St Station located 0.963 miles west of the Site. This facility is located cross-gradient from the Site and therefore not anticipated to impact the Site at this time.

### 8.3 LOCAL REGULATORY AGENCIES

GZA reviewed pertinent information through the NYC Department of Buildings Information System online database, the NYC Department of Finance, property tax assessment information. Relevant information has been discussed throughout this report.

## 9.0 INTERVIEWS AND REFERENCES

No interviews were conducted as part of this Site assessment. GZA reviewed the following references as part of this assessment:

- U.S. Department of the Interior Geological Survey, Central Park, NY, Quadrangle, 7.5-Minute Series (Topographic) Map, 1979, photo-revised 1995.
- NYC Department of Buildings Information System (BIS) online database for building permit and actions information: www.nyc.gov/dob/bis.shtml.
- NYC Department of Finance; property tax assessment information:

http://nycprop.nyc.gov/nycproperty/nynav/jsp/selectbbl.jsp.

- EDR Inquiry No. 4111006.2s Report dated October 21, 2014.
- User Questionnaire as completed by John Johnson of Bowery Residents' Committee.

## 10.0 USER RESPONSIBILITIES

GZA requested information from the Client regarding title information, environmental liens, Activity and Use Limitations, and specialized knowledge or commonly known information regarding the Site and, if applicable, the reason for a significantly discounted purchase price. No environmentally relevant information was obtained from the user questionnaire. A copy of the User Questionnaire is attached as **Appendix I**.

## 11.0 VAPOR ENCROACHMENT ASSESSMENT

The area reconnaissance portion of the VEA was performed on October 23, 2014 by Ms. Arsheen Ehtesham, GZA Assistant Project Manager. The weather at the time of the area reconnaissance was clear and approximately 65°F. No potential vapor sources were observed on Site at the time of the Site inspection. ASTM E2600-10 requires identification of potential petroleum-related volatile organic compound (VOC) sources within 1/10 mile of the Site and potential non-petroleum related VOC sources within 1/3 mile of the Site. GZA reviewed a VEC report provided by EDR that included the following databases (see **Appendix H)**:

| Federal and State List | Search Radius* | No. of Sites within Search Radius |
|---|---|---|
| National Priorities List for Federal Superfund Cleanup (NPL) | 1/3 mile | 0 |
| Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), including CERCLIS NFRAP Sites | 1/3 mile | 0 |
| Resource Conservation and Recovery Information System – Corrective Action Activity RCRIS CORRACTS and Non-CORRACTS Treatment, Storage, or Disposal Facilities (RCRIS-TSD) | 1/3 mile | 0 |
| Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) | Site | 0 |
| Federal Institutional Control/Engineering Control Registries | 1/3 mile | 0 |
| Emergency Response Notification System (ERNS) | Site | 0 |
| State Institutional Control/Engineering Control Registries | Site | 0 |

| Federal and State List | Search Radius* | No. of Sites within Search Radius |
|---|---|---|
| Solid Waste Management Facilities Sites (SWMF) | 1/3 mile | 0 |
| New York State Spills Information (NY Spills)/Leaking Underground Storage Tanks (LUSTs) | 0.1 mile | 49 |
| Petroleum Bulk Storage Tanks (USTs/ASTs) | 0.1 mile | 0 |
| State Voluntary and Brownfield Cleanup Program Sites | 1/3 mile | 0 |
| Active Registered Dry Cleaners/ Historical Registered Dry Cleaners | 1/3 mile | 5 |
| Former Manufactured Gas Plant Sites (Coal Gas) | 1/3 mile | 1 |
| Historical Gas Stations | 0.1 mile | 6 |

* The surrounding area search radius indicates the radial area (measured from perimeter of the Site) for which the databases review was performed.

The Site is listed in two databases; Environmental Restrictive Declaration and E-Designation. The E-designation listing is for noise related concerns and therefore not anticipated to be a VEC. The Environmental Restrictive Declaration listing was recorded on 5/23/2007 and the type is listed as HAZMAT. No additional information is available regarding this listing.

All petroleum-related spills that have the potential to release VOCs that were listed in the database are closed cases and therefore not anticipated to create a vapor concern at the Site.

The findings from the VEC database for non-petroleum related VOCs is summarized in the table below.

| Listing | Distance* / Direction | Database | Map ID Number | Status/Available Data |
|---|---|---|---|---|
| Con-Edison-Kingsbridge Station MGP<br>Block 3236, Lots 25 & 45 | 0.008 miles<br>NE | Former MGP | A2 | No additional information available |
| Classic Laundry<br>2271 Andrews Avenue | 0.18 miles<br>SE | US Historic Dry Cleaners | 11 | Business: Dry Cleaners Year: 2009 |

| Listing | Distance* / Direction | Database | Map ID Number | Status/Available Data |
|---|---|---|---|---|
| J & B Laundromat<br>2302-2304 Sedgwick Ave. | 0.074 miles<br>E | US Historic Dry Cleaners | D8 | Business: Dry Cleaners Year: 2003-2011 (combined listings) |
| Fordham Cleaners Inc.<br>128-130 W. Fordham Road<br>Facility ID: 2-6004-00128 | 0.192 miles<br>E | Registered Dry Cleaners, US Historic Dry Cleaners | G12 | Business: Dry Cleaner Years: 1989 to present (combined listings) |
| 248 West Fordham Auto Sound Inc. | 0.037 miles<br>SSE | Historical Gas Station | B3 | Business: Auto Service Center<br>Year: 2003 |
| Seaman Mechanical Service Inc.<br>254 West Fordham Road | 0.042 miles SSE | Historical Gas Station | B4 | Business: Seaman Mechanical Service Inc.<br>Years: 2001 -2012 |
| 320 West Fordham Road | 0.073 miles<br>SW | Historical Gas Stations | C7 | Business: Don Flow Auto Service Center of Manhattan<br>Years: 2001-2002 |
| 5 Fordham Hill Oval | 0.144 miles<br>ENE | Historical Gas Station | 10 | Business: Sun Rise Car Service Inc.<br>Years: 2003 |
| 2308 University Avenue | 0.232 miles<br>ESE | Historical Gas Station | 15 | Business: Rhaisa Auto Corp<br>Years 2004-2008 |
| B P Products North America<br>296 West Fordham Road<br>Facility ID:48369 | 0.069 miles<br>SW | Federal RCRA Generators list; LTANKS; Historical Gas Stations | C6 | Business: BP Products North America<br>Years 2007 to present |

Of the total of 61 Sites identified in the EDR VEC database, the above ten facilities have the potential to impact the Site. 49 cases were identified in the NY-Spills database, however all 49 cases are listed as 'corrective action taken-closed'.

In addition, the facilities listed in the table below were identified by GZA's neighborhood reconnaissance or historical research and are not listed in the EDR report.

| **Listing** | **Distance*/ Direction** | **Status/Available Data** |
|---|---|---|
| 2297 Cedar Avenue | 0.02 miles SSE | Sanborn Maps for the years 1945-1993 indicate that gasoline USTs were present and in use at the Site. |
| 205 West Fordham Road | 0.03 miles W | Sanborn Maps for the years 1977-1998 indicate the facility was used as a filling station. Gasoline likely was stored at this facility. |

In summary, the following off-Site VECs were identified:

- One active dry cleaner and two historic dry cleaners are located within 1/3 mile of the Site.
- One MGP property was located on and adjacent to the Site.
- One active gas station and five historic gas stations are located within 1/3 mile of the Site.
- One historic auto service station and one historic filling station are located within 1/3 mile of the Site.

## 12.0 FINDINGS AND CONCLUSIONS

A Phase I Environmental Site Assessment following the general guidance of the ASTM Phase I Standard Practice has been conducted at 233 Landing Road in Bronx, New York. The study included a Site reconnaissance; a review of Site history; a review of selected local, state, and federal regulatory records; and interviews with persons and agencies familiar with the Site. No subsurface exploration or chemical testing of soil or groundwater was conducted, and no assessment for the presence of lead hazards, radon or asbestos was completed.

The Vapor Encroachment Assessment (VEA) followed the general guidance of the ASTM VEA Standard Practice and included a database review and an area reconnaissance.

Based on the findings presented above, it is GZA's opinion that we have performed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Practice E 1527-13 of the property identified as 233 Landing Road

in Bronx, New York. Any exceptions to, or deletions from, this practice are described in **Section 1.0** of this report.

This assessment has revealed the following RECs, HRECs and VECs in connection with the Site. No HRECs or CRECs were identified. The following REC was identified:

- Previous Site investigations identified contaminated soil onsite, as well as volatile organic compounds (VOCs) in soil gas that have the potential to create vapor intrusion conditions in any permanent structures constructed on the Site.

GZA was unable to interview any current or former owners of the Site as a part of this assessment. This is considered a data gap. However, since there is substantial historical information available for this Site, it is not considered to be a significant data gap.

The VEA identified the following off-site vapor encroachment concerns:

- Active and historic drycleaners were identified within 1/3 mile of the Site.
- One MGP property is located within 1/3 mile of the Site.
- Active and inactive gasoline stations were identified within 1/3 mile of the Site.
- One historic auto service station and one historic filling station are located within 1/3 mile of the Site

## 13.0 ENVIRONMENTAL PROFESSIONAL OPINION

I declare, to the best of my professional knowledge and belief, that I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 12; that I have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property; and that I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312. The signature of the Environmental Professional Benjamin Alter is contained on the cover letter of this report. The Environmental Professional's qualifications are attached as **Appendix J**.

## 14.0 LIMITATIONS

GZA prepared this report on behalf of, and for the exclusive use of Bowery Residents' Committee for the stated purpose and location identified in the Report. However, GZA acknowledges and agrees that the Report may be conveyed to the seller, lender, design team, etc. associated with the proximate purchase of the subject location to the extent set forth in our signed proposal dated October 7, 2014. Use of this report, in whole or in part, at other locations, or for other purposes, may lead to inappropriate conclusions, and we do not accept any responsibility for the consequences of such use. Further, reliance by any party not identified in the agreement, for any use, shall be at that party's sole risk, and without any

liability to GZA.

Our findings and conclusions are based on the work conducted as part of the Scope of Services set forth in this report, and reflect our professional judgment. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. Conditions other than those described in this report may be encountered at the subject location(s).

Our services were performed using that degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. No warranty, expressed or implied, is made.

This report is also subject to the specific limitations contained in **Appendix A**.

# FIGURES

NEW YORK

QUADRANGLE LOCATION

SOURCE:
USGS TOPOGRAPHIC MAPS: CENTRAL PARK, NY-NJ (2011) & YONKERS, NY-NJ (2013). CONTOUR INTERVAL 10 FT., NAVD-1988, ORIGINAL SCALE 1:24,000 (1"=2,000 FT.).

N
W E
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UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

233 LANDING ROAD
BRONX, NEW YORK

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
BOWERY RESIDENTS' COMMITTEE

**SITE LOCATION MAP**

| | | | |
|---|---|---|---|
| PROJ MGR: BA | REVIEWED BY: MM | CHECKED BY: MM | FIGURE 1 |
| DESIGNED BY: MM | DRAWN BY: EM | SCALE: 1"=2000' | |
| DATE: MAY 2014 | PROJECT NO. 12-0076232.00 | REVISION NO. | SHEET NO. |

© 2014 – GZA GeoEnvironmental, Inc. GZA–J:\76000's\12.0076232.00\Figures\CAD\76232.00.01.001.dwg [1] May 07, 2014 – 10:50am edward.morris

| | | | |
|---|---|---|---|
| PROJECT NO: 12.0076232.10 | SITE PLAN | SOURCE: GOOGLE MAPS 2014 | **PROJECT MGR: BA**<br>**DRAWN BY: AE**<br>**REVIEWED BY: BA**<br>**DATE: OCT, 2014** |
| FIGURE: 2 | 233 LANDING ROAD, BRONX, NEW YORK | PREPARED FOR:<br>BOWEREY RESIDENTS COMMITTEE | GZA GeoEnvironmental, Inc.<br>*Engineers & Scientists* |

# APPENDIX A

LIMITATIONS AND TERMS AND CONDITIONS

**PHASE I ENVIRONMENTAL SITE ASSESSMENT**
**LIMITATIONS**

Use of Report

1. GZA GeoEnvironmental, Inc. (GZA) prepared this report on behalf of, and for the exclusive use of Bowery Residents Committee for the stated purpose and location identified in the Report. However, GZA acknowledges and agrees that the Report may be conveyed to the lender associated with the proximate purchase of the subject location to the extent set forth in our signed proposal dated October 7, 2014. Use of this report, in whole or in part, at other locations, or for other purposes, may lead to inappropriate conclusions; and we do not accept any responsibility for the consequences of such use. Further, reliance by any party not identified in the agreement, for any use, without our prior written permission, shall be at that party's sole risk, and without any liability to GZA.

Standard of Care

2. Our findings and conclusions are based on the work conducted as part of the Scope of Services set forth in the Report, and reflect our professional judgment. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. Conditions other than described in this report may be found at the subject location.

3. Our services were performed using the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. No warranty, expressed or implied, is made.

Uncertainty not Eliminated

4. No environmental site assessment can eliminate the uncertainty of the possible presence of Recognized Environmental Conditions (RECs). This report was prepared to help reduce, not to eliminate, such uncertainties. Consistent with ASTM 1527-13, our opinions were developed in light of the constraints imposed by time and budget.

Limits to Observations

5. As indicated in the Report, we made observations for evidence of RECs at the Site and for conditions at adjoining properties that could result in RECs at the Site. Observations were made of the Site and of structures on the Site as indicated within the report. Where access to portions of the Site or to structures on the Site was unavailable or limited, GZA renders no opinion as to the presence of hazardous substances, hazardous wastes, or petroleum products, or to the presence of indirect evidence relating to these materials, in that portion of the Site or structure. In addition, GZA renders no

opinion as to the presence of hazardous substances, hazardous wastes, or petroleum products, or to the presence of indirect evidence relating to these materials, where direct observation of the interior walls, floor, or ceiling of a structure on the Site was obstructed by objects or coverings on or over these surfaces. Our opinions are necessarily based on these limited observations. Additionally, some activities or events of potential interest, at the Site or on adjoining properties, may have been transient and not observable at the time of our visit.

Reliance on Information from Others

6. We relied upon information made available by Federal, state and local authorities, the Key Site Manager, and others. We did not attempt to independently verify the accuracy or completeness of that information. Inconsistencies in this information which we have noted, if any, are discussed in the Report.

Additional Information

7. Additional opinions or information regarding RECs may be developed by the lender, seller, buyer, or other parties. Such additional opinions or information may not fully support the opinions provided in this report. In the event such additional opinions or information is developed, we recommend that we be retained, in a timely manner, to review this material. This will provide us the opportunity to evaluate and modify, as necessary, the opinions provided in the Report

Compliance with Regulations and Codes

8. Our services were performed to render an opinion on the presence of RECs. Unless specifically addressed within the Report, we rendered no opinion on the compliance of Site conditions or activities with local, state, or Federal codes or regulations.

Shelf Life

9. The opinions expressed in this Report are based on conditions observed during the course of our work on this Site; these conditions may change over time. ASTM Guidance (see ASTM 1527-13) states that observations and opinions are only valid for 180 days. After 180 days, an update of portions of the Report may be necessary.

# APPENDIX B

PHOTOGRAPHS

# GZA GeoEnvironmental, Inc.

## PHOTOGRAPHIC LOG

| Client Name: | Site Location: | Project No.: |
|---|---|---|
| Bowery Residents Committee | 233 Landing Road, Bronx, NY | 12.0076232.10 |

| Photo No.: | Date: |
|---|---|
| 1 | 10/23/14 |

**Direction Photo Taken:**
Looking North

**Photographer**:
AE

**Description:**
View of Site entrance. Site is a vacant parking lot.

| Photo No.: | Date: |
|---|---|
| 2 | 10/23/14 |

**Direction Photo Taken:**
Looking Northeast

**Photographer**:
AE

**Description:**

View of Landing Road looking east.

# GZA GeoEnvironmental, Inc.

## PHOTOGRAPHIC LOG

| Client Name: | Site Location: | Project No.: |
|---|---|---|
| Bowery Residents Committee | 233 Landing Road, Bronx, NY | 12.0076232.10 |

| Photo No.: | Date: |
|---|---|
| 3 | 10/23/14 |

**Direction Photo Taken:**
Looking South

**Photographer**:
AE

**Description:**
Adjacent property to the South

| Photo No.: | Date: |
|---|---|
| 4 | 10/23/14 |

**Direction Photo Taken:**
Looking southeast

**Photographer**:
AE

**Description:**
Adjacent property to the southeast

# GZA GeoEnvironmental, Inc.

## PHOTOGRAPHIC LOG

| Client Name: | Site Location: | Project No.: |
|---|---|---|
| Bowery Residents Committee | 233 Landing Road, Bronx, NY | 12.0076232.10 |

| Photo No.: | Date: |
|---|---|
| 5 | 10/23/14 |

**Direction Photo Taken:**
Looking West

**Photographer**:
AE

**Description:**
View of Major Deegan Expressway west of theSite.

| Photo No.: | Date: |
|---|---|
| 6 | 10/23/14 |

**Direction Photo Taken:**
Looking East

**Photographer**:
AE

**Description:**
View of vacant Site. A steep slope is present to the east of the Site.

# GZA GeoEnvironmental, Inc.

## PHOTOGRAPHIC LOG

| Client Name: | Site Location: | Project No.: |
|---|---|---|
| Bowery Residents Committee | 233 Landing Road, Bronx, NY | 12.0076232.10 |

| Photo No.: | Date: |
|---|---|
| 7 | 10/23/14 |

**Direction Photo Taken:**
Looking Northwest

**Photographer**:
AE

**Description:**
View of debris on the northwestern corner of the Site.

| Photo No.: | Date: |
|---|---|
| 8 | 10/23/14 |

**Direction Photo Taken:**
NA

**Photographer**:
AE

**Description:**
Boring installed by GZA during the May 2014 Site Investigation.

# GZA GeoEnvironmental, Inc.

## PHOTOGRAPHIC LOG

| Client Name: | Site Location: | Project No.: |
|---|---|---|
| Bowery Residents Committee | 233 Landing Road, Bronx, NY | 12.0076232.10 |

| Photo No.: | Date: |
|---|---|
| 9 | 10/23/14 |

**Direction Photo Taken:**
Looking South

**Photographer**:
AE

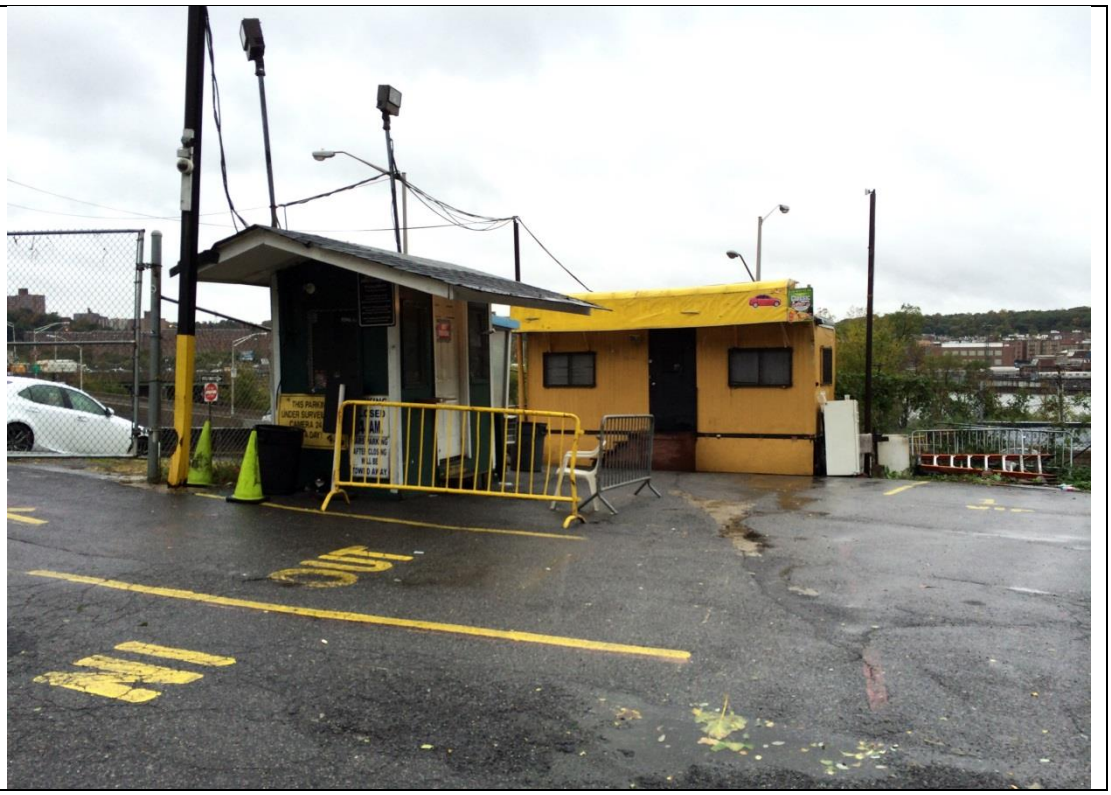
**Description:**
View of old stairs leading to the Site and storm water outfall.

| Photo No.: | Date: |
|---|---|
| 10 | 10/23/14 |

**Direction Photo Taken:**
Looking west

**Photographer**:
AE

**Description:**
View of guard shack and vacant temporary trailer office.



# APPENDIX C

PREVIOUS INVESTIGATION REPORTS AND LOCAL AGENCY REVIEW

**Site Characterization Report**

# Kingsbridge Station

Bronx, New York
Site ID: V00559-2

**Submitted to:**
Consolidated Edison Company of New York, Inc.
4 Irving Place
New York, New York 10003

**Submitted by:**
GEI Consultants, Inc.
PO Box 297, 188 Norwich Ave.
Colchester, CT 06415
860-537-0751

John K. Bogdanski
Project Manager

October 1, 2004
Project 031510-1004

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# 1. Introduction

This Site Characterization (SC) report was developed by GEI Consultants, Inc. (GEI) on behalf of Consolidated Edison (Con Edison) for submittal to the New York State Department of Environmental Conservation (NYSDEC). This SC report presents documentation and a description of the procedures and findings from SC field activities conducted at the Kingsbridge Station former manufactured gas plant (MGP) holder station located in the University Heights section of the Bronx, New York. The former MGP holder station was once owned and operated by one of Con Edison's predecessor companies, Consolidated Gas Company of New York. The portion of the site that was once occupied by the former gas holder operations is presently divided into two separate properties. The area of gas operations formerly occupied by the boiler house and engine room (Block 3236, Lot 25) is currently owned by American Self Storage. The area of gas operations formerly occupied by the gas holder (Block 3236, Lot 45) is currently owned by the City of New York.

The SC report has been developed in accordance with the Voluntary Cleanup Agreement (VCA), dated August 15, 2002, Index #02-0003-02-08, between Con Edison and the NYSDEC. The site characterization activities described in this report were conducted pursuant to the NYSDEC-approved work plan titled *Site Characterization Work Plan, Kingsbridge Station Former Manufactured Gas Plant Site* (GEI, December 2003). Site characterization field activities were conducted by Con Edison from January 8, 2004 through April 5, 2004.

## 1.1 Purpose of the Report

The primary objectives of the SC field activities were to:

- Locate the subsurface remnants of any MGP holder station structures or other structures that may exist on site and that might be associated with waste source areas or serve as preferential pathways for the migration of MGP holder station waste or other contamination
- Characterize potential MGP holder station or other waste impacts on site
- Determine the potential for off-site migration of contamination
- Characterize site-specific geology and hydrology

The goals of the SC were to collect site-specific information confirming the presence or absence of any former MGP holder station structures, hazardous waste, or contamination, and to

determine whether the site potentially poses a significant threat to public health and the environment as a result of the former MGP-related activities. These goals are consistent with those of the NYSDEC's comprehensive site characterization and remedial investigation process, as described in the NYSDEC *Draft DER-10 Technical Guidelines for Site Investigation and Remediation* (December 2002).

## 1.2 Report Organization

The procedures and findings of the SC activities presented in this SC report are organized into eight sections. Following this introduction, Section 2 presents the site background, including physical setting, site ownership, and operational history. The investigation methods used to collect, analyze, and present the site characterization data are discussed in Section 3. The geologic and hydrologic characterization of the site is discussed in Section 4. Section 5 presents the nature and extent of contaminants and Section 6 provides a discussion of contaminant fate and transport. Section 7 presents a Qualitative Human Health Exposure Assessment (QHHEA). Section 8 presents summary and conclusions. Soil boring logs and well purging records, community air sampling results summary, laboratory analytical results and data usability reports, and photographic documentation are included in Appendices A through D, respectively.

# 2. Site Background

The information presented in this section of the SC report is excerpted from the historical research report titled *"Manufactured Gas Plant History, Kingsbridge Station, Bronx, New York,"* dated October 8, 2002. This report has previously been provided to the NYSDEC.

## 2.1 Site Description

The Kingsbridge Station former holder site is located on the north side of Landing Road in the neighborhood of University Heights, Borough of the Bronx, New York. The location of the site is illustrated in Figure 1, taken from a portion of the United States Geological Survey (USGS) Topographic Map, Central Park, New York, New Jersey. The site is defined as all land occupied by former MGP holder station operations and formerly owned by Con Edison or a Con Edison predecessor company.

The boundary of the former Kingsbridge Station site was obtained from Bronx Assessor's Office records, a 1924 aerial photograph, and Sanborn Fire Insurance (Sanborn) maps. These records indicate that the site is on the north side of Landing Road (former Fordham Landing Road or West 184$^{th}$ Street), the east side of the former Harlem River Terrace, and the west side of Sedgwick Avenue. The site is comprised of six parcels of land and the Major Deegan Expressway, designated by the Bronx Assessor's Office as follows.

| Block and Lot | Street Address | Current Size (acres) |
|---|---|---|
| Block 3236 Lot 25 | 233 Landing Road | 0.8 |
| Block 3236 Lot 45 | Fordham Landing Playground | 4.4 |
| Block 3236 Lot 1 | 211 Landing Road | 2.7 |
| Block 3236 Lot 170 | 2425 Sedgwick Avenue | 0.8 |
| Block 3236 Lot 175 | 2455 Sedgwick Avenue | 0.4 |
| Block 3236 Lot 220 | 205 West Fordham Road | 0.3 |
| None | Portion of Major Deegan Expressway | 2.1 |

Title search information and Sanborn maps indicate that the site was originally one parcel of land (10.5 acres in size), which was subdivided and sold by Con Edison between 1944 and 1954. The site was further subdivided into the above-referenced six lots.

The former holder station occupied the southwestern corner of the site. The holder station was located on Lot 25, the southern portion of Lot 45 (Fordham Landing Playground), the southwestern portion of Lot 1, and below a portion of the current Major Deegan Expressway. The holder station occupied approximately 3.4 acres of the site. Figure 2 provides a current site layout map, and illustrates current site features and property boundaries. Figure 3 shows the

existing property boundaries, as well as the former site boundaries and the area of the former holder station. The site is located in the west-central section of the Bronx on the east side of the Harlem River and the Major Deegan Expressway, and north of the Cross Bronx Expressway. The site is located in a residential and commercial neighborhood.

### Southwestern Corner (Former Holder Station)

The southernmost portion of the site (Lot 25) is occupied by a paved parking lot. A grass baseball field within Fordham Landing Playground occupies most of the area where the footprint of the former gas holder was located (southern portion of Lot 45). The parking lot on Lot 25 is at a higher elevation than the adjoining baseball field, and it is underlain by a thick (approximately 30 foot) layer of fill. Records obtained from the New York Department of Housing and Building (DOHB) show that an addition was built onto the original engine room/boiler house in 1948. These records indicate that the land elevation for Lot 25 at that time was similar to the present day elevation of the baseball field. Vacant wooded land abuts the east side of the parking lot (Lot 25) and the baseball field (portion of Lot 1). The westernmost portion of the site, along the property boundary, is occupied by access and travel lanes of the Major Deegan Expressway. Currently this portion of the former holder station site is at a higher elevation than the adjoining playing field.

### Central, Northern, and Southeastern Portions of Site

Paved play courts (handball and basketball) within Fordham Landing Playground are on the west-central portion of the site. A used automobile sales business is located on the southeastern portion of the site (Lot 220). The eastern portion of the site (portion of Lot 1) is a vacant, steeply wooded hillside. The northeastern portion of the site (Lots 170 and 175) is occupied by a parking garage and office building. The northern portion of the site (part of Lot 45) is wooded. Sanborn maps and historical aerial photographs indicate that the former gas holder activities were limited to the portion of the site identified as Block 3236, Lot 25 and Lot 45. No MGP holder station activities occurred within the central, northern, and southeastern portions of the property.

## 2.2 Adjoining Property Description

Land surface topography of the Kingsbridge Station site is variable. The site slopes down from Sedgwick Avenue toward the playground to the west-southwest. The playground on the western portion of the site (Lot 45) is relatively level. The ground surface elevation varies from approximately 100 feet above mean sea level (MSL) on the eastern property boundary to approximately 20 feet above MSL at the western property boundary, in the area of the Major Deegan Expressway.

The borough of the Bronx covers an area of approximately 42 square miles, and has an estimated population of 1,332,650 (New York City [NYC] Department of City Planning, 2000 Census Summary). Lot 25 is zoned C8-3, a commercial district. Lot 45 is zoned R-6, a residential district. Lots 1, 170, 175, and 220 are zoned C2-4, a commercial district.

A railroad line is located west of the site, across the Major Deegan Expressway. Vacant land, utility bureau (railroad) property, and a lumber company are located further west of the site, between the railroad line and the Harlem River. Vacant wooded land (northern part of Lot 45) is located north of the site. A garage/gas station and apartments are located within one block north of the site. Residential and commercial properties and a hospital are located within one block northeast of the site. Residential properties and a park are located within one block east of the site. Stores and apartments are located within one block southeast of the site. A self-storage business and restaurant/nightclub are located within one block south of the site across Landing Road.

## 2.3 Site History

### *2.3.1 Site Ownership*

The ownership history of the site was compiled from chain-of-title searches. The chain-of-title search requests were submitted to Commonwealth Land Title Insurance Company of New York, New York, as recommended by Con Edison.

The title search indicates that the majority of the site was acquired by Consolidated Gas Company of New York (Consolidated Gas) in 1910. The site was originally one parcel of land, which was subdivided and sold by Con Edison between 1944 and 1954. The site was further subdivided into six lots and the Major Deegan Expressway. The southwestern corner of the site, occupied by the former holder station, was owned by Consolidated Gas/Con Edison until 1951. Con Edison sold the central and northern portions of the site (northern portions of Lot 45 and Lot 1, Lot 170, and Lot 175) in 1944, and the southeastern portion of the site (Lot 220) in 1951.

### *2.3.2 Past Site Operations*

The history of the site was compiled from available Sanborn maps, Bronx Building Department records, aerial photographs, and other historical records obtained during an Environmental Data Resources, Inc. (EDR) records search. The location of the former holder station on the site and the location of historical MGP holder station structures is illustrated on Figure 3.

#### Early History

The earliest map for the site area is an 1896 Sanborn map, and no structures are shown on the site. A 1900 Sanborn map also shows no structures on the site.

## Holder Station (Southwestern Corner)

The first indication that MGP holder station structures occupied the Kingsbridge Station site is from a 1914 Sanborn map. A ten million cubic foot (cu. ft.) above grade, steel gas holder is shown on the southern portion of the site, and labeled Consolidated Gas Company (Kingsbridge Station). Con Edison indicated that this holder was constructed in 1912. A building is located on the southern side of the holder, adjacent to West 184$^{th}$ Street (currently Landing Road), labeled Engine Room, constructed 1910. Harlem River Terrace is shown on the map abutting the western property boundary of the holder station.

The Kingsbridge Holder Station was designed to store purified gas prior to distribution to consumers. Gas was not manufactured at the site. MGP residues such as purifier material, tars and oil are typically associated with the production and purification of gas at the manufacturing facility and therefore MGP residue would have been removed from the gas prior to being piped to the Kingsbridge holder. It is believed that gas stored at the Kingsbridge Station was produced and purified at a former MGP located at 137$^{th}$ Street and/or a former MGP located at 175$^{th}$ Street in the Bronx.

Documents obtained from the Bronx Building Department indicate that the gas compressors for the engine room were powered by diesel engines and the facility received approval from the City for two 20,000-gallon diesel fuel tanks in 1947. No information was collected on where these tanks may have been located or whether they would have been aboveground or underground tanks. Due to the fact that the facility stopped distributing gas no later than 1953, it is not known if these tanks were ever installed and/or whether they were operational.

Site features shown on the 1945 and 1950 Sanborn maps are similar to those on the 1914 Sanborn map; however, the holder is labeled Consolidated Edison Company (Kingsbridge Station).

## Post-MGP Land Use (Southwestern Corner)

Title search information indicates that Con Edison sold the southern portion of the site in 1951. The southern portion of Lot 45 was sold to the City of New York, and the southern portion of Lot 1 was sold to The Equitable Life Assurance Society of the United States. Bronx Building Department records indicate that the Major Deegan Expressway and the Fordham Landing Playground were constructed on this portion of the site in the early 1950s. Con Edison indicated that the holder was removed in 1952; however, it is likely that it was removed in 1950, prior to the acquisition of the southwestern corner of the site by the City of New York. A 1954 aerial photograph confirms the holder had been removed.

Title search information indicates that Con Edison sold the southernmost portion of the site (Lot 25) in 1954 to New York University. The EDR City Directory abstract indicates that a New York University Engineering Research Building occupied 233 Landing Road (Lot 25), from about 1965 to 1976. A 1977 Sanborn map shows the Major William F. Deegan Expressway (Deegan Expressway) along the western property boundary over the former Harlem River Terrace, and covering approximately 30 to 50 feet of the site. The 1977 through 1984 Sanborn maps show the building on the southern portion of the site (Lot 25), labeled New York University Research Building No. 3 and Lab. This building is visible on a 1984 aerial photograph, but does not appear on the 1986 Sanborn map, and was apparently removed around 1986. It is unknown what Lot 25 was used for between 1985 and the present.

### Central, Northern, and Southeastern Portions of Site

The 1914 Sanborn map shows a small building labeled University Heights Tennis Club (Clubhouse) on the central portion of the site (central portion of Lot 45). The 1924 aerial photograph confirms the presence of the tennis club shown on the Sanborn map. Tennis courts are visible on the central portion of the site, and the Clubhouse building is visible adjacent to the courts. The eastern portion of the site (central and northern portions of Lot 1) is vacant and wooded on the 1924 photograph. The 1945 Sanborn map shows a small building labeled dwelling and kennels on the northeastern portion of the site (Lot 175). Site features shown on the 1950 Sanborn map are similar to those on the 1945 Sanborn map.

As mentioned above, the Deegan Expressway was constructed along the western property boundary in the early 1950s. The Fordham Landing Playground was constructed on the central and northern portions of Lot 45 in the early 1950s. Title search information indicates that Lot 220 on the southeastern portion of the site, adjacent to West Fordham Road, was subdivided out and sold in 1951. Sanborn maps indicate that a five-story parking garage with a filling station was constructed on the northern portion of the site (Lot 170) in 1952. Sanborn maps indicate that an office building was constructed on the northeasternmost portion of the site (Lot 175) in 1964. The filling station is no longer shown in the parking garage on the 1991 Sanborn map.

Texaco acquired Lot 220 on the southeastern portion of the site in 1972. Title search information and Sanborn maps indicate that a filling station was located on this lot from the 1970s to the early 1990s. Since the early 1990s, the lot has been occupied by an automobile sales and service business.

## 2.4 Environmental Records Search

Con Edison retained EDR to conduct an environmental records search for the site. EDR searched available environmental government database records and completed a report that meets the requirements of ASTM Standard Practice for Environmental Site Assessments,

E 1527-00. EDR reviewed standard federal and state environmental sources for the minimum search distances required by E 1527. The standard environmental records searched by EDR, and the minimum search distance for each record, are presented in the following table.

| Environmental Record | Minimum Search Distance |
|---|---|
| Federal National Priority List (NPL) | 1.0 mile |
| Federal Proposed NPL Sites | 1.0 mile |
| Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) | 0.5 mile |
| Federal CERCLIS No Further Remedial Action Planned (NFRAP) | 0.25 mile |
| Federal Corrective Action Report (CORRACTS) | 1.0 mile |
| Federal RCRIS Transport, Storage and/or Disposal Facilities (TSD) | 0.5 mile |
| Federal Resource Conservation and Recovery Information System (RCRIS) Generators | 0.25 mile |
| Federal Emergency Response Notification System (ERNS) | Target property |
| NYSDEC Inactive Hazardous Waste Disposal Sites (SHWS) | 1.0 mile |
| NYSDEC Solid Waste Facilities/Landfill Sites (SWF/LF) | 0.5 mile |
| NYSDEC Leaking Storage Tank Incident Reports (LTANKS) | 0.5 mile |
| NYSDEC Underground Storage Tank (UST) Petroleum Bulk Storage (PBS) Database | 0.25 mile |
| NYSDEC Chemical Bulk Storage (CBS) UST Database | 0.25 mile |
| NYSDEC Major Oil Storage Facilities (MOSF) Database | 0.5 mile |
| NYSDEC Voluntary Cleanup Agreements (VCA) | 0.5 mile |
| NYSDEC Registered Waste Tire Storage & Facility List (SWTIRE) | 0.5 mile |
| NYSDEC Registered Recycling Facility List (SWRCY) | 0.5 mile |

In addition to the standard records, EDR searched supplemental federal and state databases.

GEI submitted a Freedom of Information Law request (FOIL) to the NYSDEC to review environmental records for the site. GEI requested that NYSDEC search all environmental records that were available, including waste, water, and air for site-specific information such as inspections, environmental reports, site analytical data, orders, registrations, or permits. GEI also requested any information pertaining to waste generation, storage, or disposal activities, wastewater discharge activities, cleanup activities, oil or chemical spill incidents, underground storage tanks (USTs), aboveground storage tanks (ASTs), or other environmental issues at the site and adjoining properties.

### *2.4.1 Results of Site Environmental Record Review*

No current or former occupants of the Kingsbridge Station site were listed in any of the databases (standard and supplemental) searched by EDR. NYSDEC indicated that they had one petroleum bulk storage (PBS) report for the site. The PBS report indicated that the property at 2425 Sedgwick Avenue (Lot 170) has a 3,000-gallon capacity UST. No other information was available for this site.

### *2.4.2 Results of Adjoining Properties Environmental Record Review*

EDR identified multiple properties within the minimum search distance for the Federal Resource Conservation and Recovery Information System (RCRIS), NYSDEC Leaking Storage Tank Incident Reports (LTANKS), UST, NYSDEC Chemical Bulk Storage (CBS) UST Database, and Former Manufactured Gas Sites databases. A review of the EDR report indicates that no adjoining sites are included on these databases.

## 2.5 Previous Investigations

The New York State Department of Transportation (NYSDOT) is currently planning a construction project to improve the northbound Deegan Expressway entrance ramp at West Fordham Road (located along the western portion of the site). The ramp improvements, tentatively scheduled for 2004, entail the installation of a new retaining wall between the expressway and the playground, installation of a new drainage catch basin in the paved parking area located west of the asphalt playground, paving a new roadway to the expressway and into the playground, and construction of new sidewalks and a baseball field. The NYSDOT contractor responsible for development of the plans and specifications is Ysrael A. Seinuk, P.C. (YAS) of New York, New York. Environmental Planning and Management, Inc. (EPM), as a subconsultant to YAS, performed a hazardous waste assessment of the area to be included in the proposed improvements of the entrance ramp. A subsurface-soil investigation was conducted in October 1998 in conjunction with the geotechnical investigation for the project. Four soil borings were drilled at the locations illustrated on Figure 4 of the Kingsbridge Site Characterization Work Plan (SCWP), referred to in Section 1 of this report. Continuous soil samples were collected from the ground surface to a depth of 21 feet below ground surface (bgs). A composite sample from each boring (1 to 13 feet bgs) was analyzed for RCRA metals by Toxicity Characterization Leaching Procedures (TCLP) for waste characterization. Metals were not detected above hazardous waste regulatory levels. Visual and olfactory evidence of contamination was observed in one sample interval collected from boring location DH-1 at a depth of 15 to 19 feet bgs. This sample was analyzed for TCLP metals, Target Compound List (TCL) volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs). Chrysene was the only organic compound detected at a concentration (0.510 parts per million [ppm]) above the NYSDEC Recommended Soil Cleanup Objective (RSCO) of 0.4 ppm.

In addition to the subsurface-soil investigation, EPM conducted a modified ASTM Phase I Environmental Site Assessment (ESA). A survey of adjacent and nearby properties identified sites that may be of potential environmental concern to the ramp improvement project (e.g., leaking petroleum product, petroleum storage tanks). The Hazardous Waste Assessment Report was included in the SCWP as Appendix A.

# 3. Methods of Site Characterization

The SC field work was conducted in January and February of 2004. Table 1 presents the dates that each phase of the SC was conducted, the primary objectives of each phase, and a summary of the field activities that occurred during each phase. The site field activities were completed in accordance with the *Site Characterization Work Plan* (SCWP), *Kingsbridge Station Former Manufactured Gas Plant Site*, prepared by GEI, dated December 3, 2003.

An integrated investigation of the site geology and hydrology, soil, and groundwater chemistry allowed identification of potential contaminant source areas, and the nature and extent of contaminants released to the environment as a result of former gas holder operations. A variety of investigatory methods were utilized to collect the data. The sample types collected during the SC activities are presented in Table 2. The methods used to conduct the SC field activities are summarized in the following section.

## 3.1 Geologic Data

Geologic investigatory methods included surface-soil sampling and subsurface-soil borings. A rationale is provided in Table 3 for each sample location. Borehole drilling was used to collect samples in unconsolidated materials for visual characterization of the lithology, to determine the distribution of geologic material, and to confirm the top of bedrock across the site. Each boring and sample completed during the SC activities was logged. Site-specific geologic characterization data were interpreted for the following:

- Identification of former MGP holder station structures (potential source areas)
- Correlation of stratigraphic units between borings
- Identification of zones of potentially high and/or low hydraulic conductivity
- Identification and characterization of bedrock (e.g., top of bedrock surface)

### *3.1.1 Surface-Soil Sampling*

Surface-soil samples were collected from within the southern portion of the site in the area of the former holder and the current baseball field. Nine surface-soil samples were collected in total. The locations, illustrated in Figure 4, were based on a systematic grid and collected using a stainless-steel trowel from the uppermost portion containing mineral soil below any sod or turf material (i.e., 0 to 2-inch interval). The sod/turf above the interval was cut and removed so that it could be replaced after sampling. Soil removed for sampling was replaced with commercially available topsoil.

### *3.1.2 Borehole Drilling*

Sixteen subsurface borings were drilled at the site. Seven of the 16 borings were finished as groundwater monitoring wells (identified by "MW" in Figure 4). The remaining nine borings were identified by "B." Of the monitoring wells, two sets of nested pairs were installed where the water column exceeded 20 feet in depth in order to characterize both shallow and deep groundwater at these locations. The shallow monitoring wells were identified with the suffix "S"; the deep wells with "D" in Figure 4.

Borings B-2, B-4, B-6, B-7, and B-8 and monitoring wells MW-1, MW-2, MW-3, MW-4D, and MW-5D were advanced through overburden soils to the competent bedrock surface. Borings B-2 and B-4 penetrated what appeared to be the concrete foundation of the former holder.

The shallow monitoring wells (MW-4S and MW-5S) were advanced to a depth of 17 and 23 feet bgs, respectively. Borings B-1, B-5, and B-9 were advanced through overburden soils until refusal on very dense concrete was encountered. Boring B-3 encountered refusal due to material inside the footprint of the former gas holder. Soil borings and monitoring wells were drilled using continuous-flight, hollow stem augers. Continuous soil samples were collected from each boring during drilling using a 2-inch split-spoon sampler.

The competent bedrock surface was identified by auger and split-spoon refusal.

The borings not completed as monitoring wells were backfilled with cement-bentonite grout using a tremie pipe to the ground surface. Some were finished with leveled concrete pads and others were finished with commercially available topsoil if the boring was located within the baseball field. Soil boring and monitoring well logs are provided as Appendix A.

## 3.2 Hydrologic Data

Hydrologic data were collected from the monitoring wells installed on site. Hydrologic characterization data were interpreted for the following:

- Identification of the overburden aquifers
- Determination of horizontal and vertical groundwater flow directions on site

### *3.2.1 Groundwater Monitoring Well Installation*

Seven groundwater monitoring wells were installed during SC activities. The well locations are illustrated in Figure 4. Table 4 presents a summary of the monitoring well construction details. The monitoring wells were placed at locations and depths to characterize site hydrology and to determine impacts to overburden groundwater. The well location rationale is summarized in Table 3. Subsequent to monitoring well sampling, all wells were developed to restore the natural

permeability of the formation in the vicinity of the well and to remove silt and clay from the screened interval to provide turbidity-free groundwater samples. Well development records are provided in Appendix A.

### *3.2.2 Identification of the Groundwater Aquifer*

Identification of the aquifer in overburden deposits was essential to the design of the groundwater monitoring network and the development of the conceptual site model. The presence of an overburden aquifer was established during drilling and hydrogeologic characterization activities.

### *3.2.3 Establishing Groundwater Flow Directions*

Static water table elevations in monitoring wells were measured twice during SC activities. These measurements were used to determine horizontal and vertical groundwater flow gradients at the site.

The procedures for water-level measurement collection were provided in Appendix B of the SCWP. Water level measurements collected from wells screened in similar stratigraphic horizons (shallow) were used to construct water table surface contour maps.

## 3.3 Chemical Data

Chemical data were collected to identify specific contaminant concentrations throughout those media potentially impacted by MGP holder station operations. Chemical data were generated from samples collected from surface soils, subsurface soils, and groundwater.

The number of samples collected, the analyses conducted, and the field quality assurance/quality control (QA/QC) samples are summarized in Table 5. All samples were analyzed by Severn Trent Laboratories (STL) of Shelton, Connecticut.

### *3.3.1 Air Monitoring*

In accordance with NYSDEC and New York State Department of Health (NYSDOH) requirements, a Community Air Monitoring Plan (CAMP) was implemented at the site during utility clearance and borehole drilling. The objective of the CAMP was to provide a measure of protection for the downwind community (i.e., off-site receptors, including residences and businesses and on-site workers not involved with the site activities) from potential airborne contaminant releases as a direct result of site activities.

Real-time air monitoring stations were set up downwind and upwind of the work area. The downwind station was used to measure potential airborne contaminants leaving the site during

the SC activities. The upwind station measured background air quality data in the vicinity of the site. Wind direction was determined using the flag flying over the playground.

VOCs in air were measured using a photoionization detector (PID) and particulate dust was measured using a MiniRAM™ PM-10 particulate meter. Response levels were programmed in the meters, which were connected to a yellow strobe light to alert site workers that targeted compounds in the ambient air had exceeded response levels. The VOC and Particulate Monitoring, Response Levels, and Actions are presented as follows.

**Air Monitoring Response Levels and Actions**

| Response Level | Actions |
|---|---|
| | ***VOCs*** |
| >5 ppm above background for 15-minute average | ▪ Temporarily halt work activities<br>▪ Continue monitoring<br>▪ If VOC levels decrease (per instantaneous readings) below 5 ppm over background, work activities can resume |
| Persistent levels >5 ppm over background <25 ppm | ▪ Halt work activities<br>▪ Identify source of vapors<br>▪ Corrective action to abate emissions<br>▪ Continue monitoring<br>▪ Resume work activities if VOC levels 200 feet downwind of the property boundary or half the distance to the nearest potential receptor are <5 ppm for a 15-minute average<br>▪ If VOC levels are >25 ppm at the perimeter of the work area, activities must be shut down |
| | ***Particulate*** |
| >100 mcg/m3 above background for 15-minute average or visual dust observed leaving the site | ▪ Apply dust suppression<br>▪ Continue monitoring<br>▪ Continue work if downwind PM-10 particulate levels are <150 mcg/m3 above upwind levels and no visual dust leaving site |
| >150 mcg/m3 above background for 15-minute average | ▪ Stop work<br>▪ Re-evaluate activities<br>▪ Continue monitoring<br>▪ Continue work if downwind PM-10 particulate levels are <150 mcg/m3 above upwind levels and no visual dust leaving site |

**Sources:**
New York State Department of Health Community Air Monitoring Plan, June 20, 2000.
New York State Department of Environmental Conservation Division Technical and Administrative Guidance Memorandum - Fugitive Dust Suppression and Particulate Monitoring Program at Inactive Hazardous Waste Sites, October 27, 1989.

All VOC and particulate data were recorded continuously during site activities and downloaded to the project computer at the end of the day. All monitoring data are stored electronically in spreadsheets and databases. Air monitoring results are summarized graphically in Appendix B.

Records of equipment maintenance and calibration records were also maintained.

### 3.3.2 Surface-Soil Sampling and Analysis

Nine surface-soil samples were collected from the southern portion of the site in the area of the former holder and the current baseball field. These samples were analyzed for VOCs, SVOCs, Total Analyte List (TAL) metals, and polychlorinated biphenyls (PCBs). The results of the analysis of the surface soils are presented in Section 5 (Nature and Extent of Detected Compounds) of this report.

### 3.3.3 Subsurface-Soil Sampling and Analysis

One to three subsurface-soil samples were collected from each of the boring and monitoring well locations illustrated in Figure 4. Samples were collected for laboratory analysis from the uppermost portion of the site soils (i.e., between 2 and 5 feet bgs), the water table interface, the most heavily impacted soil interval (based on visual, olfactory, and PID observations), and from a non-impacted interval underlying the most impacted interval. If no impacted soils were detected in a boring, one sample was collected at the water table interface and one from or near the bedrock surface. Subsurface soils were analyzed for VOCs, SVOCs, TAL metals and total cyanide.

### 3.3.4 Groundwater Sampling and Analysis

Monitoring wells were sampled approximately two weeks after installation and development were completed. The sampling technique minimized stress to the aquifer using low flow pumping rates in order to provide representative water samples with minimal alterations to water chemistry. The analytical results were used to assess the effect of the former MGP holder station operations on groundwater quality. Groundwater samples were analyzed for VOCs, SVOCs, TAL metals, total cyanide, and PCBs. Groundwater chemical data are presented in Section 5 of this report.

### 3.3.5 Investigation-Derived Waste (IDW) Characterization and Disposal

IDW generated during the SC activities consisted of: (1) liquids generated by cleaning of drilling and sampling equipment and groundwater generated during developing and sampling of monitoring wells; and (2) soils generated during the installation of borings and monitoring wells. All IDW was stored in new USDOT-approved 55-gallon drums.

The liquid and soil wastes generated during the SC were characterized to ensure proper disposal of these materials. Prior to disposal, soil cuttings were analyzed for TCLP VOCs, SVOCs, inorganics and pesticides, and diesel range organics (DRO). Wastewater was analyzed for VOCs, SVOCs, TAL metals, pH and DRO. Soil cuttings were transported off site by Clean Harbors of Brooklyn, New York and treated at a thermal desorption facility. Wastewater was transported off site by Clean Harbors and disposed of at a wastewater treatment facility.

## 3.4 Survey

A site survey was performed after SC field activities by a GEI New York-licensed surveyor to obtain information necessary for production of a composite base map that accurately illustrates the locations and elevations of the borings, monitoring wells, and other pertinent features. Locations and elevations are referenced to known benchmark. Monitoring well elevations were determined with a vertical accuracy of 0.01 feet. The vertical datum used was North American Vertical Datum (NAVD) 88 expressed in feet above approximate mean sea level. The horizontal datum used was North American Datum (NAD) 83 expressed in New York State Plane Coordinate System (in feet).

## 3.5 Quality Assurance/Quality Control

QA/QC protocols and procedures were performed to ensure accuracy, precision, and completeness of all chemical data collected during SC activities. QA/QC protocols and procedures were completed in accordance with the NYSDEC-approved Quality Assurance Plan submitted as part of the SCWP.

### *3.5.1 Sample Quality Assurance/Quality Control*

QA/QC samples were collected during each phase of sampling in order to evaluate the validity of the sampling, decontamination, and analytical methods used during the site investigation. QA/QC samples collected during field sampling activities included trip blanks, duplicates, and field blanks (equipment rinsates). Table 5 summarizes the number and types of QA/QC samples collected for each sample media. Field duplicates consisted of two split samples from the same source, analyzed by the laboratory as separate samples. The laboratory was not aware of duplicate samples. This precaution allowed GEI to verify the laboratory reproducibility of analytical data. Field blanks (i.e., equipment rinsates) were used to monitor the adequacy of field equipment decontamination procedures that were used to prevent cross-contamination from one sample location to another sample location. Trip blanks were used to monitor possible sources of contamination from sample transport and storage.

Samples submitted to STL for analytical characterization were evaluated and reported by the laboratory according to USEPA methodologies 8260B (VOCs), 8270C (SVOCs), 8082 (PCBs), 6010/7000 (metals), and 9012 (cyanide). STL provided a full data evaluation package in accordance with Category B deliverable requirements. Additional data validation was performed by GEI based on the following documents.

- USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired Using SW-846 Method 8260B, SOP No. HW-24, Revision 1, June 1999.
- USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired Using SW-846 Method 8270C, SOP No. HW-22, Revision 2, June 2001.

- USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired Using SW-846 Method 8080A/8000A, SOP No. HW-23, Revision 0, April 1995.
- USEPA Region II Standard Operating Procedure (SOP) for the Evaluation of Metals Data for the Contract Laboratory Program, SOP No. HW-2, Revision 11, January 1992.

Data usability was conducted based on the following parameters.

- Preservation and Technical Holding Times
- Calibration Verification Results
- Blanks
- Field Duplicates
- Laboratory Fortified Blank Recovery

Copies of the data usability reports are provided in Appendix C. Data qualifiers used in the presentation of the analytical results are included with the reports.

A standard system of sample identification was used to allow samples to be tracked in field notes, chain-of-custody forms, and laboratory reports. The identification system is as follows.

Examples: KS-B-7 (3-5')
KS-MW-1
KS-SS-2 (0-2")

Where: KS = Kingsbridge Station
B-7 = soil boring location
(3-5') = sample depth (not used for groundwater samples)
MW-1 = monitoring well location
SS-2 = surface-soil location

### *3.5.2 Record Keeping and Documentation*

The following specific documents were incorporated into the record keeping procedure.

| Document | Purpose |
|---|---|
| Site Field Logs | Issued to each field member with a control number. These logs were the principal document for recording field data. |
| Chain-of-Custody Record | To track the possession of all samples from field to laboratory. |
| Accident Report, Daily First Aid Report, Employer's First Report of Injury, and OSHA 300 Forms | Data sheets attached to the HASP used to document accidents occurring at the site during site characterization activities. |

## 3.6 Well Abandonment and Site Restoration

### *3.6.1 Well Abandonment*

Upon completion of SC field activities, MW-1 was abandoned pursuant to the access agreement Con Edison obtained with the owner of 233 Landing Road (Block 3236, Lot 25). Well abandonment activities included over drilling the top 5 feet and tremie grouting the monitoring well from the bottom of the screened interval up to the ground surface. The grout was allowed to settle and the top 1 foot was finished with a concrete patch flush with the existing ground surface.

Well abandonment activities were completed in accordance with the NYSDEC document titled *Groundwater Monitoring Well Decommissioning Procedures*, dated April 2003.

### *3.6.2 Site Restoration*

Soil boring locations within the ball field were restored to pre-site characterization field activities condition by backfilling the top 6 inches of each borehole with topsoil and re-seeding the area around each location. Well abandonment and site restoration activities were documented in the SC field log book, including photographs.

# 4. Geologic and Hydrologic Characterization

Geologic, hydrologic, and chemical characterization data collected during site characterization are used to define the site hydrogeology, and to identify the specific contaminant concentrations in site soils and groundwater, and the potential pathways for potential contaminant transport. The interpreted site-specific geology and hydrology data were compared to the broader model of regional data and are incorporated into a conceptual model that describes the physical characteristics of the site. A discussion of the geologic and hydrologic interpretations is presented in this section. The interpretations of these data are supplemented with data tables, geologic cross-sections, contour maps, and a site map. Interpretations of the chemical data are presented in Section 5.

## 4.1 Geographic Setting

The topographic setting of the Kingsbridge Station site is illustrated in Figure 1, taken from a portion of the USGS topographic map for the area. As depicted in Figure 1, the land surface topography slopes to the west toward the Harlem River. The area of the site that is used as a playground on the western portion is relatively flat.

## 4.2 Regional Soils

The natural surficial material in Bronx County is predominantly glacial till that consists of a mixture of clay, silt, sand, gravel, and boulders. These glacial deposits are often highly stratified, having been reworked by fluvial processes. Freshwater and tidal marsh deposits, consisting of organic silt and clay, commonly overlie the glacial till. The glacial till is underlain by bedrock. Artificial fill deposits in the Bronx overlie much of the natural surficial material. These deposits include mixtures of glacial soil, highway construction debris (i.e., blast rock), building-demolition rubble (e.g., glass, wood, brick, and concrete), and cinders.

## 4.3 Regional Geology

The Kingsbridge Station site is located along a northeast-trending contact between the Fordham Gneiss and Inwood Marble formations. The Fordham Gneiss is Middle Proterozoic in age and is subdivided into four informal members. The eastern portion of the site is underlain by Member C of the Fordham Gneiss, which consists predominantly of black and white banded gneiss. Metamorphic rocks of the Inwood Marble underlie the western portion of the site (underneath the Deegan Expressway). The Inwood Marble is Lower Ordivician to Lower Cambrian in age and consists predominantly of calcite and dolomite marble. Figure 5 is a geologic map of a portion of the Bronx in New York City.

The landscape in southeastern New York was subjected to glaciation several times during the Pleistocene Epoch (approximately 1.8 million to 8,000 years ago). Glacial overburden deposits found in the area of the site were derived almost entirely from Late Wisconsinan glaciation that incorporated and transported large quantities of rock and soil. The Wisconsinan glacier retreated from New York State about 12,000 years ago. Post-glacial processes have reshaped the landforms of New York only moderately, mainly along floodplains and streams. Many of the original drainages and stream/shore configurations no longer exist due to artificial filling.

## 4.4 Site-Specific Geology

Overburden deposits and bedrock of the Kingsbridge Station site are classified into four main stratigraphic units, starting from ground surface: (1) fill; (2) glacial deposits; (3) weathered bedrock of the Fordham Gneiss; and (4) competent bedrock of the Fordham Gneiss. The fill is capped with a layer of asphalt pavement along the northern and western portions of the Fordham Landing Playground. The southern portion of the site, currently used as a baseball field, is capped with topsoil. Important characteristics of each stratigraphic unit are discussed below. The stratigraphy of the site is illustrated in Figures 6 through 9 (Geologic Cross-Sections A-A', B-B', C-C', and D-D'). The location of each cross-section is presented in Figure 4.

### *4.4.1 Competent Bedrock*

Competent bedrock was encountered in 10 borings drilled on site. Based on the geologic literature and some limited field observations, the competent bedrock in these areas consists mainly of the Fordham Gneiss, a black and white banded gneiss. The black bands are comprised predominantly of quartz plagioclase and biotite minerals, while the white bands are comprised predominantly of quartz-garnet-muscovite minerals.

The bedrock elevations on site ranged from 18 to 38 feet bgs. The bedrock contours for the site are presented in Figure 10. The bedrock surface dips predominantly north-northwest towards the Harlem River.

### *4.4.2 Weathered Bedrock*

A layer of friable weathered bedrock was encountered in many of the borings where competent bedrock was encountered. This layer varied in thickness between a few inches and several feet thick above the competent bedrock. It consisted of a very dense, black sand and clayey silt with quartz, biotite, and muscovite fragments.

### *4.4.3 Glacial Deposits*

The glacial deposits are stratigraphically located between the overlying fill material and bedrock. These deposits predominantly consist of poorly sorted, dense silty clay to fine gravel. Evidence of reworking of these deposits (i.e., stratification) by fluvial processes was observed in some

split-spoon samples. This evidence would be consistent with the site being located in a former drainage basin of the Harlem River. The glacial deposits are absent or very thin in the southern portions of the site and grade up to their maximum thickness along the northern boundary of the site. The glacial deposits may have been removed from the southern portion of the site when the gas holder was built. Based on a review of the geologic cross-sections and the available aerial photographs, it appears that the holder was constructed approximately 16 feet below the existing site ground elevation.

### *4.4.4 Site Topography*

A review of both the regional USGS topographic map and bedrock contour map shows the site is located within a natural bowl or depression adjacent to the Harlem River. Land and bedrock surface elevations remain relatively flat across most of the site. Figures 1 and 5 show the land surface topography. Presently, the surface elevation of the area of the site formerly occupied by the engine room/boiler house (Block 3236, Lot 25) is approximately 20 feet above the elevation of the area formerly occupied by the gas holder. This means that either the engine room was perched above the gas holder, or the area of the former engine room/boiler house has been filled since the plant closed. This information is important in order to determine if and when the existing fill was deposited on the site. No plans were available for the original engine room/boiler house constructed in 1910. However, plans were obtained from the Bronx Building Department for the 48- by 36-foot addition built onto the engine room/boiler house in 1948. These plans included six sheets that detailed the specifications for the new addition. These plans indicated that the addition was built to house two diesel-powered gas compressors. These plans provided information on the elevation of Lot 25 in 1947 and also provided insight into the size of the original engine room/boiler house. The original engine room/boiler house was constructed at an existing elevation of 13 feet and was approximately 55 feet high. In 1947 the northern portion of the engine room was approximately at the same elevation as the area of the site now occupied by a baseball field. In 1947 the land surface sloped downward from Landing Road to the north side of the engine room/boiler house. The engine room/boiler house was built into the side of the hill that sloped down from Landing Road and the bottom floor of the engine room/boiler house was at approximately the same elevation as the holder slab. Figure 11 shows a cross-sectional view (approximate) of the site circa 1947 and the present site conditions.

### *4.4.5 Fill Material*

Fill deposits overlie the glacial deposits and bedrock. Fill deposits in the vicinity of the former gas holder extend down to bedrock. Fill deposits in the remaining area of the site are underlain by glacial deposits. The fill consists predominantly of fine to coarse sand with varying percentages of silt, gravel, rock fragments, brick pieces, wood, and other urban-fill materials. The fill deposit is laterally continuous across the site and ranges in thickness from 6 feet in the northern portion of the site to 34 feet in the southern portion of the site where the paved parking lot is at a higher elevation. As illustrated on Figure 11, fill was placed on the site circa 1910

(prior to holder station operations); circa 1950 (post gas holder demolition); and circa 1986 (post New York University Research Laboratory demolition). The fill is capped by asphalt across the entire site, except the area currently being used as a baseball field.

## 4.5 Subsurface Features

What appeared to be a buried concrete slab was encountered during the drilling of several borings (B-3, B-4, B-5, B-5A, B-9, MW-2) and is presumed to be the bottom of the former ten million cubic foot holder. All of these borings encountered concrete at a consistently similar elevation between 15 and 16 feet bgs. In B-4 and MW-2, the concrete was 4 feet thick.

Boring B-1 encountered brick fill and void space that may be associated with the former engine room building. While drilling boring B-1, concrete fill was encountered at 32 feet bgs. Drilling was terminated at this depth due to spoon and auger refusal.

## 4.6 Regional Surface Water Hydrology

Surface water in the Bronx County occurs in lakes and streams. The Harlem River flows southward between the Boroughs of the Bronx and the upper portion of Manhattan. It originates from the Hudson River and discharges into the East River, approximately 4 miles south of the Kingsbridge Station site. In addition to the Hudson River, the Harlem River is fed by overland runoff, and diffuse flow from the overburden aquifer. The presence of large impervious areas of urbanization results in peak runoff from storms. The site-specific flow of groundwater from the overburden aquifer to the Harlem River are discussed in detail in subsection 4.8. The Harlem River is classified as Class I Saline Surface Waters by the NYSDEC. Class I waters are suitable for secondary contact recreation and fishing. These waters are suitable for fish propagation and survival.

## 4.7 Regional Groundwater Hydrology

### *4.7.1 Hydrogeology*

General information about the hydrogeology in the area of the site was known prior to conducting the site characterization. Hydrogeologic literature for New York City indicated that groundwater in the area moves predominantly from recharge areas to nearby valleys, where it typically discharges to the major rivers and streams. Groundwater recharge is primarily from infiltration of precipitation but minor amounts of water enter the groundwater system through leaking water mains, sewers, and sanitary disposal systems. Groundwater occurs predominantly under unconfined conditions in overburden, and in confined and unconfined conditions in fractured bedrock.

### *4.7.2 Groundwater Use Survey*

A preliminary groundwater use survey was conducted to identify potential receptors and to determine if the aquifer beneath and downgradient of the site is used for public purposes. Information on public and private water supply wells (residential and industrial) within a 1-mile radius of the site was obtained from multiple sources. An electronic database records search from EDR, which included information from the USGS, Federal Reporting Data System (FRDS) Public Water Supply System, and the New York State Database, was completed.

Groundwater in Bronx County is used only for industry and has not been withdrawn for public water supply since 1905 (Perlmutter and Arnow, 1953). Potable water used in the Bronx is obtained entirely from the New York City water supply system. No public or private wells were identified with 1 mile of the site. The NYSDEC groundwater classification for the site is Class GA Fresh Groundwaters.

## 4.8 Site-Specific Hydrogeology

A site-specific hydrogeologic characterization was conducted to provide specific data for the site and to determine how the site hydrology fits into the broad regional hydrogeologic model. Specifically, the hydrogeologic characterization data were used to (1) characterize the overburden aquifer; and (2) define local groundwater flow in the overburden. A detailed description of the site-specific hydrogeologic characterization is presented in this section. Table 4 presents a summary of the monitoring wells installed for site characterization, and includes well identification, depth, elevations, screened interval, and annular fills. Monitoring well locations are illustrated in Figure 4.

### *4.8.1 Characterization of the Overburden Aquifer*

The overburden aquifer at the site is unconfined and present within the fill, glacial deposits, and weathered bedrock geologic units. The competent bedrock surface defines the base of the overburden aquifer. The spatial distribution of each of these stratigraphic units is presented in Figures 6 through 9 (Geologic Cross-Sections A-A’, B-B’, C-C’, and D-D’). Cross-section A-A’ is oriented north-south along the western portion of the site. Cross-section B-B’ is oriented north-south along the eastern portion of the site. Cross-section C-C’ is oriented east-west along the southern portion of the site. Cross-section D-D’ is oriented east-west in the central portion of the site. As illustrated in the cross-sections, the fill, glacial deposits, and weathered bedrock stratigraphic units characterize the overburden aquifer. The fill is laterally continuous across the site. The glacial unit is absent towards the southern end of the site where the former holder foundation was located.

### *4.8.2 Groundwater Flow Within the Overburden Aquifer*

Two rounds of groundwater measurements were collected during the SC field work action. The depth to groundwater and the groundwater elevation measurements for the overburden aquifer are listed in Table 6. The groundwater level within the overburden aquifer ranges from approximately 3.6 to 20 feet bgs. Figure 12 illustrates the water table surface contours and groundwater flow direction for February 27, 2004. Groundwater measurements collected from wells screened in similar stratigraphic horizons and similar depths were used to determine the groundwater flow directions. The predominant groundwater flow is north-northwest in the direction of the Harlem River.

# 5. Nature and Extent of Detected Compounds

This section of the SC report discusses the nature and extent of compounds identified during the field activities. Analytical results for each of the compounds detected for each of the media of concern were compared to the appropriate New York State standard. Sample locations and sampling objectives are presented in Section 3 of this report.

The distribution of compounds that exceed the NYSDEC RSCOs for individual compounds (TAGM 4046) for soils or the NYSDEC ambient water quality standards for groundwater are discussed separately in this section. The interpretations of these data are supplemented with data tables, figures, and maps. Complete analytical results are presented as electronic files in Appendix C. All analytical data were validated. Validation reports are also included in the electronic files of Appendix C.

## 5.1 Identification of Petroleum-Related Residues

Physical evidence collected during SC field activities indicates that nonaqueous phase liquid (NAPL) is not present in subsurface fill or the native overburden on the site. NAPL was not identified at any of the sample locations at the site.

Physical evidence collected during SC field activities indicates that potential petroleum-related residue is present in the subsurface overburden on the site. Petroleum-related impacts include staining, hydrocarbon sheen, and/or hydrocarbon odor. When possible, hydrocarbon odors were described as fuel oil-like or naphthalene-like odors. Indiscernible hydrocarbon odors were described generically as hydrocarbon odors. Petroleum-related impacts were identified at six sample locations at the site: B-1, B-4, MW-1, MW-2, MW-3, and MW-4. Borings that exhibited only hydrocarbon odors included MW-1, MW-2, and MW-4. Sample locations B-1, B-4, and MW-3 exhibited hydrocarbon odors with staining and slight sheens. The borings that contained petroleum-related impacts are illustrated on geologic cross-sections (Figures 6 through 9).

As illustrated on the geologic cross-sections, hydrocarbon impacts are confined to the site in discrete zones within the fill deposits and are not present in the glacial deposits or weathered bedrock. Analytical samples were collected from each location exhibiting staining, sheens, and/or odors and analyzed for VOCs, SVOCs, PCBs, inorganics, and cyanide.

## 5.2 Distribution of Compounds Detected in Soil

Surface and subsurface soil at the site were compared to the NYSDEC RSCOs for individual compounds (TAGM 4046). Soil analytical results were compared to RSCOs in two subsets:

surface soil (0 to approximately 0.5 ft bgs) and subsurface soil (below 0.5 ft bgs). Surface soil and subsurface soil analytical summary statistics are presented in Tables 7 and 8, respectively. The laboratory analytical results of each of these soil subsets are presented in summary Tables 9 and 10. The tables present the sample identification, sample depth, analytical result and any applicable data qualifier for the compounds detected in a sample. The organic and inorganic compounds listed on the tables are the compounds detected in soils at concentrations above the reported analytical practical quantitation limit (PQL). Compounds detected in a sample are highlighted in blue. Analytical results that exceed the RSCO are highlighted in red. Analytical results reported as non-detect with a PQL above the applicable NYSDEC standard are shown in bold and italics. All positive results reported below the PQL were estimated and identified with a "J" qualifier. The method detection limit for these compounds is below the associated NYSDEC standard.

### *5.2.1 Surface-Soil Analytical Results*

Table 9 presents a comparison of the surface-soil analytical results to the RSCOs. VOCs were not detected at concentrations above the RSCOs. VOCs were only detected in one surface-soil sample from the site. Total xylenes were detected at a concentration of 0.002 ppm in surface soil sample SS-5, well below the NYSDEC RSCO of 1.2 ppm.

Numerous SVOCs were detected in surface-soil samples collected at the site. Concentrations of individual SVOCs in surface-soil samples ranged from nondetect to 1.2 ppm. Surface-soil samples collected from all nine locations exhibited concentrations of SVOCs that exceed the RSCO.

Samples collected from all nine locations exceed the RSCO for benzo(a)pyrene; samples from seven of the nine sample locations exceed the selected standard for dibenz(a,h)anthracene, and samples from two of the nine sample locations exceed the RSCO for benz(a)anthracene. The highest concentration for total SVOCs is 9.614 ppm, detected in surface-soil sample KS-SS-1. This total SVOC concentration is below the RSCO of 500 ppm. The concentration of SVOCs in surface soils do not exceed the background concentrations of polycyclic aromatic hydrocarbons (PAHs) published by Bradley, B.H., et al., and listed in Table 11.

The surface-soil SVOC data were evaluated using benzo(a)pyrene equivalents for the group of PAHs suspected to have potential carcinogenic effects. These compounds include benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene. The results are presented in Table 12. The benzo(a)pyrene equivalent concentration ranged from 0.16536 mg/Kg to 1.01314 mg/Kg. The highest concentration of benzo(a)pyrene equivalents was detected in surface-soil sample KS-SS-1.

PCBs were detected in eight of the nine surface-soil samples collected at the site. Aroclor 1248 was detected above the RSCO at four locations on site. The highest concentration of PCBs was detected in surface-soil samples KS-SS-2 and KS-SS-4 (2.3 ppm).

Metals were detected in surface-soil samples at concentrations that exceed the RSCOs for arsenic, chromium, copper, iron, mercury, nickel, and zinc. The concentrations and distribution of individual metals are similar for all samples. These data suggest that surface soil contains background concentrations of metals that exceed the RSCOs. Cyanide was not detected in surface soils. The surface-soil samples typically consisted of fine-to-medium sand with varying percentages of silt and coarse sand. Information collected from aerial photographs indicate that the surface soils were placed on site circa 1960 during the reconstruction of the site after the dismantling of the gas holder and the construction of the Major Deegan Expressway. Bronx Building Department Records indicate that the surface soils were further re-graded and additional soil was added to the field in 1996. The concentrations of metals in surface soils do not exceed the background concentrations published by Shacklette and Boerngen and listed in Table 11.

### *5.2.2 Subsurface Soils*

Table 10 presents a comparison of the subsurface-soil analytical results to the RSCOs. Table 8 lists the compounds that are present in subsurface soil, the number of subsurface-soil samples analyzed, the maximum detected concentration and corresponding sample identification, and the percent of samples that exhibit a concentration that exceed the RSCO. VOCs and PCBs were not detected in subsurface soils at concentrations that exceed the RSCOs. VOCs were present in subsurface-soil samples below the RSCOs in 39 of the 44 locations sampled. PCBs were present in subsurface-soil samples below the RSCOs in 15 of the 44 locations sampled.

SVOCs were detected at concentrations that exceed the RSCOs in 24 out of 44 (54 percent) of the subsurface-soil samples and at 13 of the 14 boring locations. The most prevalent SVOCs detected above RSCOs were benz(a)pyrene (55 percent), dibenz(a,h)anthracene (48 percent), benz(a)anthracene (45 percent), chrysene (39 percent), and benzo(k)fluoranthene (18 percent). These SVOCs, detected at concentrations that exceed the RSCOs, are distributed throughout subsurface-soil fill deposits at the site, including the post gas holder demolition fill (circa 1950) and the circa 1986 fill that was placed several decades after the New York University Research Laboratory building was demolished. None of the samples collected from the native glacial till contained SVOCs above the RSCOs. The sample exhibiting the greatest number of SVOCs that exceed standards was MW-3 (4-5). Soil sample MW-3 (4-5) contained 11 SVOCs that exceeded RSCOs and a total SVOC concentration of 434 mg/Kg. The concentration of SVOCs in subsurface soil only exceeded the background concentrations published by Bradley, B.H., et al., at two locations, (B-5 [8-10] and MW-3 [4-5]).

Metals detected at concentrations that exceed the RSCOs included arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, mercury, nickel, vanadium and zinc. These metals were detected above PQLs throughout the site in subsurface fill and the natural glacial till deposits that underlie the fill. The concentrations of metals in subsurface soils do not exceed the background concentrations published by Shacklette and Boerngen and listed in Table 11.

### *5.2.3 Extent of Surface- and Subsurface-Soil Impacts*

As presented in NYSDEC TAGM 4046, the maximum RSCOs are 10 mg/kg for total VOCs and 500 mg/kg for SVOCS. Figure 13 illustrates the distribution of total VOCs and SVOCs in surface soils. Total VOCs and SVOCs were not detected at concentrations that exceed the maximum RSCOs in surface soils. Analytical results for surface-soil samples collected at the site exceed RSCOs for individual SVOCs. Figure 13 also identifies the compounds that exceed the NYSDEC RSCOs in surface soils collected at the site. Analytical results indicate that subsurface-soil samples do not exceed the maximum recommended soil cleanup objectives for total VOCs and total SVOCs. Figure 14 illustrates the distribution of total VOCs and SVOCs in subsurface soils. Analytical results for subsurface-soil samples collected at the site exceed RSCOs for individual SVOCs. Figure 14 also identifies the compounds that exceed the NYSDEC individual compound RSCOs in subsurface-soil samples collected at the site. In Figure 13 and Figure 14, the total concentration of VOCs and SVOCs for each location and the corresponding sample depth are presented in a call out box adjacent to each sample location. VOCs and/or SVOCs detected in a sample are presented in blue.

The subsurface fill unit at the site has a limited number of hydrocarbon impacts (i.e., staining and/or sheen, and/or hydrocarbon odor). Nine of 44 subsurface-soil samples exhibited some degree of physical hydrocarbon impacts. These impacts are in discrete zones within the fill unit at the site and do not exceed the TAGM maximum RSCO. The highest concentration of total VOCs and SVOCs were collected from sample location MW-3 (4-5) that exhibited visible and olfactory evidence of hydrocarbon impacts. This sample was collected from shallow subsurface fill deposits directly northeast of the former holder location.

## 5.3 Distribution of Compounds Detected in Groundwater

One round of groundwater samples was collected for laboratory analysis from seven monitoring wells (two on-site nested monitoring well pairs and three on-site individual wells) to characterize groundwater chemistry. The collection of groundwater samples from each single well point and nested monitoring well pair allowed for a complete characterization of the groundwater chemistry for the overburden aquifer. Monitoring wells MW-2, MW-4S, MW-4D, MW-5S, and MW-5D, illustrated in Figure 4, are located along the hydraulically downgradient site property boundary. Monitoring wells MW-2 and MW-3 were installed on site in an area adjacent to the former gas holder. Monitoring well MW-1 is located in the southeastern corner of Lot 25 along the hydraulically upgradient site boundary.

### 5.3.1 Groundwater Analytical Results

The groundwater analytical results are compared to the NYSDEC Ambient Water Quality Standards (AWQS) and Guidance Values for a GA Water Class in Table 13. Table 13 presents the sample identification, analytical result, and applicable data qualifiers for VOCs, SVOCs, PCBs, TAL metals and cyanide. The organic and inorganic compounds listed on the table are the compounds identified at the site. Compounds detected in a sample are highlighted in blue. Analytical results that exceed the AWQS are highlighted in red. Groundwater summary statistics are presented in Table 14. Figure 15 illustrates the distribution of compounds detected above the applicable NYSDEC AWQS in groundwater. The concentration of each compound that exceeds the AWQS is presented in a call out box adjacent to each sample location.

No VOCs or SVOCs present above the PQL were identified during the groundwater monitoring program.

PCBs were not detected above the RSCOs in any of the groundwater samples collected at the site. PCBs were detected below the AWQS in groundwater samples collected from two of the seven wells on site. The highest concentration was detected in samples collected from monitoring well MW-2 (0.74 ug/L).

During the SC, groundwater samples were analyzed for TAL metals. Metals results are presented in Table 13. Several metals were detected at concentrations above the AWQS, including iron, magnesium, manganese, and sodium. Cyanide was detected at concentrations below the AWQS in monitoring wells MW-1 and MW-2. The highest concentration of cyanide was detected in hydraulically upgradient monitoring well MW-1 (49.5 ug/L).

### 5.3.2 Extent of Groundwater Impacts in Overburden Aquifer

This subsection presents the lateral extent of compounds detected in groundwater at concentrations exceeding the AWQS. No VOCs or SVOCs were detected above the PQLs in any of the groundwater samples collected at the site. PCBs and cyanide were not detected above the AWQS in any of the monitoring wells at the site. Four metals were detected at concentrations above the AWQS in groundwater samples at the site. Sodium exceeded the AWQS in all seven monitoring wells. Sodium concentrations ranged from 26.1 mg/L in MW-4D to 449 mg/L in MW-1. Iron exceeded the AWQS in groundwater collected from five of the seven monitoring wells. Iron concentrations ranged from nondetect in MW-2 and MW-5S to 10.6 mg/L in MW-4S. Manganese exceeded the AWQS in groundwater collected from five of the seven monitoring wells. Manganese concentrations ranged from 0.04 mg/L in MW-2 to 3.29 mg/L in MW-4S. Magnesium exceeded the AWQS in groundwater collected from four of the seven monitoring wells. Magnesium concentrations ranged from 18.7 mg/L in MW-2 to 117 mg/L in MW-1. Site groundwater containing compounds detected at concentrations above the AWQS are limited to inorganic analytes and appear to be distributed randomly across the entire site.

# 6. Contaminant Fate and Transport

This section provides a discussion of the physical and chemical characteristics of compounds present at the site above the applicable regulatory limit, and a discussion of the potential sources, migration pathways, and receptors for those contaminants that are present within each media at concentrations exceeding the applicable screening standards, and generally include PAHs, PCBs, and metals. The environmental media that may serve as pathways for contaminant migration are surface soil, subsurface soil, and groundwater. An understanding of sources, migration pathways, and potential receptors is used to evaluate the need for remedial actions to protect human health and the environment.

## 6.1 Surface Soil

Individual PAHs, PCB arochlors, and metals were identified as contaminants that are present at concentrations exceeding the applicable screening standards in surface soil in the baseball field portion of the site. No other surface soils are exposed since the remainder of the site is covered by asphalt. The surface soil in the baseball field is composed of topsoil collected from the uppermost portion of the soil below the baseball field turf (i.e., 0 to 2-inch interval). The analytical data indicate that the surface soil contains concentrations of metals and PAHs within the range of typical background concentration for eastern United States urban soils.

Migration of contaminants from the surface soil is possible at the site if soils are disturbed by recreation, maintenance, and/or construction activities, but primarily through transport via dust or wind erosion. The nature of the contaminants is such that they are relatively stable in soils and would likely remain attached to soil particles.

## 6.2 Subsurface Soil

PAHs and metals were identified as contaminants that are present at concentrations exceeding the applicable screening standards in subsurface soil. As discussed in Section 5, subsurface soil PAH concentrations above individual TAGM 4046 RSCOs is limited to the fill deposit at the site. The only PAHs detected in the subsurface soil on site at concentrations above the RSCOs are the five- and six-ring higher molecular weight PAHs. The samples exhibiting the greatest number of PAHs that exceed RSCOs were collected from on-site subsurface soil that is visibly impacted by fuel oil or a similar hydrocarbon. The contaminants could potentially migrate through the subsurface soil by sorption and solubility. Each migration pathway, as it relates to the contaminants identified in subsurface soil at the site, is discussed below.

- **Sorption**. Sorption is usually defined as the reversible binding of a chemical to a solid matrix. However, there is evidence in the published literature that there is an irreversible

component related to the time that the compound has been sorbed. Sorption of these compounds limits the fraction available for other fate processes such as volatilization and/or solubility. PAHs exhibit varying degrees of binding affinity to organic matter and soil particles; this affinity is dependent upon their individual molecular structures. In general, the higher molecular weight PAHs (e.g., benzo(a)pyrene) are strongly sorbed, whereas the lighter PAHs (e.g., naphthalene) are less strongly sorbed (EPA, 1979; EPA, 1986). Therefore, the higher molecular weight PAHs are expected to remain sorbed to soils and are not prone to volatilization. The sorption of metals to the subsurface soils is dependent upon subsurface pH and oxidation-reduction conditions and the availability of anions. Metals that do not remain sorbed to subsurface soils could be available for transport through the groundwater system in solution (see below).

- **Solubility**. PAHs have varying degrees of solubility. The lighter-end PAHs are more soluble while the heavier-end PAHs are less soluble and typically do not dissolve into groundwater. Groundwater movement of the overburden aquifer is toward the river. Analytical results for the groundwater samples collected from all seven monitoring wells at the site indicate that PAHs are not present at the site at concentrations above the analytical method detection limit. Therefore, no impact to Harlem River surface water is anticipated.

Metals in the subsurface soils could dissolve and leach to the groundwater system. However, the solubility of metals is highly dependent upon the pH and oxidation-reduction conditions of the aquifer, the valance state of the specific metal, and the availability of anions that the metals could bind with to become immobile. Dissolution of metals in the subsurface soils and transport in the dissolved state through the groundwater system is not considered to be a major transport mechanism. Furthermore, the concentrations of metals detected at the site are within the published background levels.

In summary, PAHs detected throughout the subsurface soils on site will be relatively stable in the soil matrix primarily due to their generally low water solubility and high sorption to soils. Therefore, these PAHs are not expected to migrate via volatilization or groundwater mobility. Metals in soil are also anticipated to be relatively immobile and indicative of urban background levels.

## 6.3 Groundwater

As mentioned in Section 5, no VOCs, SVOCs, or PCBs were detected in groundwater exceeding the applicable screening standards. Metal contaminants have been detected above NYSDEC AWQS in groundwater samples collected from all seven monitoring wells. Groundwater impacts do not appear to be related to historic site activities and are indicative of published urban background levels.

# 7. Qualitative Exposure Assessment

In this section, potential exposure pathways and receptors are identified and evaluated for each of the contaminants above the applicable screening criteria identified for each media of concern. Exposure pathways are evaluated to determine the qualitative risk to a receptor from all contaminants above the applicable screening criteria along a transport pathway. Potential transport pathways are defined as any mechanism by which site contaminants are carried from the environment to a receptor. A complete exposure pathway exists when the following elements are documented: (1) a contaminant source; (2) a contaminant release and transport mechanism; (3) a point of exposure; (4) a route of exposure; and (5) a receptor population. Sections 5 and 6 of this report document the source of the contaminants above the applicable screening criteria, the nature of the contaminants, and the potential transport mechanisms that account for the distribution of contaminants. This information is used in this section to present a summary of complete exposure pathways.

## 7.1 Potential Exposure Points and Screening Criteria

Tables 9, 10, and 13 identify the contaminants for each media and identify whether the screening criteria are exceeded. A potential point of exposure exists if one or more contaminant(s) exceed the screening criteria for a media. It is important to note that these criteria are used to make a preliminary assessment of the risk posed by compounds to human health and the environment and do not necessarily represent the final concentrations that must be achieved through remediation. A site-specific evaluation procedure must be employed to quantify the level of risk, establish the need for remediation goals, and determine appropriate risk management actions (if any). The following media contain contaminants above applicable screening levels within the study area.

- **Surface Soil** results were compared against individual compound RSCOs presented in TAGM 4046

- **Subsurface Soil** results were compared against individual compound RSCOs presented in TAGM 4046

- **Groundwate**r results were compared against NYS AWQS per PART 703

## 7.2 Potential Receptors and Routes of Exposure

The potential human receptors for each contaminant above the applicable screening level in each media were determined based on current land use and foreseeable potential future land uses. The northern portion of the former Holder Station site is owned and controlled by the City of New York. This portion of the site is located within Fordham Heights Playground and a portion of the Major Deegan Expressway. Future site construction activities include the use of sections of the site as rights of way (ROWs) for realignment of the expressway access lanes. The current and future land uses for the park property indicate that the primary potential human receptors for soil and groundwater include construction workers, maintenance workers, and park users. The current and future land uses for the parking lot property indicate that the primary potential human receptors for soil and groundwater include construction workers, maintenance workers, and parking lot customers. Specifically, the following potential human receptors were identified and evaluated for each media of concern as part of the qualitative exposure assessment.

- **Maintenance Workers** – includes a park worker who periodically maintains park property (including facility maintenance and groundskeeping). The maintenance worker may be exposed to contaminants in surface soils through incidental ingestion, dermal contact, and inhalation of fugitive dust. A maintenance worker would also periodically clean out and service the sewer lines and the catch basins. A sewer maintenance worker may be exposed to contaminants in groundwater through dermal contact and incidental ingestion. Groundwater is not considered a primary point of exposure for a maintenance worker.

- **Construction Worker** – includes individuals who would install sewers, build foundations, or perform other park improvements or redevelopment construction activities (e.g., NYSDOT workers, NYC Parks and Recreation Department workers). These individuals may be exposed to contaminants in shallow subsurface soils during excavation activities through incidental ingestion, dermal contact, and inhalation of volatilized compounds and fugitive dust. These workers may be exposed to contaminants in groundwater through dermal contact and incidental ingestion. These workers may also be exposed to contaminants in surface soils through incidental ingestion, dermal contact, and inhalation of fugitive dust.

- **Park Users** – includes visitors to the park. Park users may be exposed to contaminants in surface soils through incidental ingestion, dermal contact, and inhalation of fugitive dust.

- **Parking Lot Patrons –** includes individuals parking at the privately owned lot. Presently this property is an asphalt parking lot. No exposure pathway presently exists.

## 7.3 Assessment of Exposure Pathways

Using the data collected during the SC sampling program, each potential exposure pathway identified above is assessed in the following section. A complete exposure pathway exists when a contaminant is present in a media above the screening criteria (potential exposure point) and a potential receptor can be exposed to that contaminant through one or more of the exposure routes identified in subsection 7.2. For purposes of this qualitative exposure assessment, a potential exposure point was identified if the analytical results for at least one contaminant exceeded the screening criteria identified in subsection 7.1. A human exposure pathway therefore exists if there is a potential for a receptor to be exposed through one or more exposure routes to the specific exposure point based on the specific land use and impacted media.

An example of a complete exposure pathway would be an on-site NYSDOT construction worker excavating an 8-foot deep pit to install a sewer drainpipe. If the soils contain contaminants (PAH, or metals) at concentrations greater than the RSCOs, then a complete exposure pathway exists for the construction worker potentially contacting those soils, or potentially inhaling particulates from the excavation (route of exposure).

Table 15 is a matrix for each medium in the study area where contaminants are known to exist. The matrices identify the sample media that contain concentrations of contaminants that exceed screening criteria, and indicate if a complete exposure pathway exists for the potential receptors.

## 7.4 Exposure Summary

Con Edison and Con Edison's predecessor companies owned the land at Kingsbridge Station prior to subdividing the land and selling it to various parties. Prior to selling the portion of the site occupied by the gas holder, the holder was dismantled. Further activities included regrading the property and constructing a baseball field in the vicinity of the former holder. This fill and topsoil are the surface soils that potential receptors could currently contact.

- Surface soils contain metals and PCB concentrations above individual TAGM 4046 RSCOs and represent a complete exposure pathway. Metal concentrations are within established background levels. Park records indicate that in 1996 the baseball field was re-graded and approximately 0.5 to 1 foot of material was added to the previous grade. New sod was also added to the field.

- Subsurface soils that underlie the site contain PAH and metal concentrations above individual TAGM 4046 RSCOs and represent a complete exposure pathway. The majority of these exceedances are within published background values. Bronx Building Department records show that the original grade of Block 3236, Lot 25 was similar to the

present grade of the baseball field. These records also show that the building on Lot 25 was demolished in 1986.

- Groundwater located on site contains metal concentrations above NYS AWQS and represent a complete exposure pathway. The distribution of metals in groundwater appears to be related to the native overburden soils.

# 8. Summary and Conclusions

The SC conducted at the Kingsbridge Station site determined the nature, concentration, extent, and potential for movement of all contaminants present on the site. An integrated investigation of the site geology and hydrology, soil, and groundwater chemistry allowed identification of potential contaminant source areas, media of concern, and the extent and potential for movement of all identified contaminants. The goal of the SC was to provide the necessary data to assess the potential risk posed by contaminants to human health and the environment, and to determine appropriate risk management actions. The results of the SC are summarized below.

## 8.1 Surface Soils

- Surface-soil samples were collected from fill that was placed at the site in 1996, approximately 25 years after the holder station was demolished.

- VOCs were not detected above the NYSDEC TAGM 4046 individual compound RSCOs in surface-soil samples collected at the site.

- Compounds detected above the NYSDEC TAGM 4046 individual compound RSCOs in surface-soil samples collected from the site include PAHs, PCBs, and metals.

- PAHs were detected above the individual compound RSCOs in all nine surface-soil samples collected at the site.

- The highest total SVOC concentration detected in surface soils (9.614 mg/l) is significantly below the RSCO of 500 mg/l.

- Metals were detected above the TAGM 4046 individual compound RSCOs in all nine samples collected at the site.

- Cyanide was not detected in surface soils.

- PCBs were detected above the TAGM 4046 individual compound RSCOs in four of the nine samples. PCB concentrations ranged from nondetect to 2.3 mg/Kg.

## 8.2 Subsurface Soils

- Subsurface-soil samples were collected from fill that was placed at the site circa 1910 (prior to holder station operations), circa 1950 (post gas holder demolition), and circa

1986 (post New York University Research Laboratory demolition). Subsurface-soil samples were also collected from native soils that underlie the fill deposits.

- VOCs were not detected above the NYSDEC TAGM 4046 individual compound RSCOs in subsurface-soil samples collected at the site.

- Compounds detected above the TAGM 40406 individual compound RSCOs in subsurface-soil samples include PAHs and metals.

- PAHs were detected at concentrations that exceed the RSCOs in 24 of the 44 samples collected at the site and are distributed throughout subsurface fill deposits. The most prevalent contaminants include benzo(a)pyrene, benz(a)anthracene, chrysene, and benzo(b)fluoranthene. The samples with the highest concentrations and greatest number of PAHs that exceed the RSCOs were collected from subsurface soils exhibiting physical evidence of hydrocarbon impacts (hydrocarbon staining and odors).

- Metals were detected at concentrations that exceed the TAGM 4046 individual compound RSCOs in all 44 samples collected at the site and include arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, mercury, nickel, vanadium, and zinc. With the exception of mercury, these metals were detected throughout the site and park property in fill and natural (e.g., glacial unit) deposits. Mercury was detected throughout the fill deposits and was detected above the RSCO in 12 subsurface-soil samples. The concentrations and distribution of individual metals suggest that subsurface soils contain background concentrations of metals that exceed TAGM 4046 individual RSCOs.

- PCBs were not detected in subsurface soils above the TAGM 4046 individual RSCOs.

- Cyanide did not exceed the RSCO in subsurface soils.

## 8.3 Groundwater

- Groundwater samples were collected from six monitoring wells screened in the overburden aquifer.

- No organic constituents were detected in groundwater samples collected from the site.

- Metals were detected at concentrations above AWQS in all five monitoring wells and include iron, manganese, magnesium, and sodium.

- Cyanide was not detected above the AWQS in groundwater samples collected from monitoring wells at the site.

## 8.4 Qualitative Exposure Assessment

A qualitative human health exposure assessment was conducted to identify potential exposure pathways to contaminated media. Based on the distribution of contaminants and the land use of the site, there are complete exposure pathways posed to maintenance workers, construction workers, and park users at the site and park property. The primary points of exposure are on-site topsoil in the area of the baseball field and subsurface fill deposits that contain constituents at concentrations greater than the NYSDEC TAGM 4046 individual compound RSCOs. The majority of the constituents detected above RSCOs are within published background values.

## 8.5 Conclusion

The results of the SC indicate that constituents were detected above the NYSDEC TAGM 4046 individual compound RSCOs in surface soil and fill deposits at the site. Nine surface-soil samples were collected from the baseball field. The surface soils were placed in 1996 during the re-grading of the baseball field. Therefore, the SVOCs, metals and PCBs detected above the NYSDEC TAGM 4046 individual compound RSCOs were deposited at the same time as the field was re-graded or after 1996, and would not be associated with the former gas holder operations. In addition, the concentrations of individual PAHs and metals are within the range of typical background concentrations for the eastern United States.

Forty-four subsurface-soil samples were collected from the site. SVOCs and metals detected at concentrations that exceed the NYSDEC individual RSCOs are distributed throughout on-site fill deposits, including the post gas holder demolition fill (circa 1950) and the circa 1986 fill that was placed several decades after the NYU Research Laboratory building was demolished. Except for the subsurface-soil samples collected from boring MW-3 (4-5’), the concentrations of individual PAHs and metals detected in subsurface fill deposits are within the range of typical background concentrations for the eastern United States. The subsurface fill samples collected from MW-3 (4-5’) exhibited visual evidence of hydrocarbon contamination. This sample had the highest concentration and greatest number of SVOCs that exceed NYSDEC TAGM 4046 individual compound RSCOs. This sample was collected at the bottom of an embankment, outside the area of the former holder and approximately 250 feet north of the former engine room/boiler house. At this sample location, no physical evidence of contamination or chemical concentrations above typical background were detected in soil samples collected below the 4- to 5-foot depth interval.

This SC was conducted to confirm the presence or absence of wastes typical of MGPs and holder station operations. Physical observations from the surface- and subsurface-soil sampling indicate that there are no “sources” of MGP wastes located at the site. The concentration and distribution

of individual constituents that exceed the NYSDEC individual RSCOs suggest that the contamination at the site is associated with the generalized effects of urban activity and are not the result of a source related to the former gas operations. Therefore, no further investigation activities are considered necessary, nor are any remedial measures required. No further action is recommended for the Kingsbridge Station site.

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# Tables

**Table 1**
**Field Activities Summary**
**Kingsbridge Station**
**Bronx, New York**

| Date | Action Summary | Objective(s) |
|---|---|---|
| January 8, 2004 | Surface-soil sampling from baseball field | Site characterization to determine the presence/absence of MGP holder station impacts to the topsoil on the baseball field |
| January 8, 2004 to January 13, 2004 | Utility markout/clearance | Locate any underground utilities at investigation points |
| January 12, 2004 to February 2, 2004 | Air monitoring | Protect work zone and off-site receptors from contaminants during investigation activities |
| January 14, 2004 to February 5, 2004 | Subsurface-soil sampling from soil borings | Site characterization to determine the presence/absence of MGP holder station impacts |
| January 20, 2004 to February 5, 2004 | Monitoring well installation | Site characterization to determine the presence/absence of MGP holder station impacts to the groundwater |
| February 9, 2004 to February 10, 2004 | Well development | To restore the natural permeability of the formation in the vicinity of the well and to remove silt/clay to provide a representative groundwater sample |
| February 24, 2004 | Site survey | Document locations and elevations of former MGP holder station structures and investigation points |
| February 24, 2004 to February 25, 2004 | Groundwater sampling | Evaluate groundwater quality at the site |
| February 27, 2004 | Water level measurement | Determine groundwater flow direction at the site |
| February 26, 2004 to February 27, 2004 | Investigation Derived Waste (IDW) removal | Remove drummed IDW from site to appropriate disposal facility |
| April 5, 2004 | Well abandonment | Abandon monitoring well MW-1 |
| April 5, 2004 | Site restoration | Restore site to conditions documented prior to commencing field activities. |

**Table 2**
**Sample Summary**
**Kingsbridge Station**
**Bronx, New York**

| Investigatory Method | Number of Data Points |
|---|---|
| ***Geologic Data*** | |
| Surface-soil samples | 9 |
| Subsurface-soil borings | 16 |
| ***Hydrologic Data*** | |
| Overburden aquifer monitoring wells | 7 |
| ***Chemical Data*** | |
| Surface-soil samples | 9 |
| Subsurface-soil samples (soil boring) | 44 |
| Groundwater samples | 7 |
| Investigation-derived waste | 2 |

## Table 3
## Sampling Location Rationale
## Kingsbridge Station
## Bronx, New York

| Sample Location Identification | Location Rationale/Structure or Area of Investigation |
|---|---|
| **Soil Borings** | |
| B-1 and B-2 | Characterize potential impacts to soil in area of former Engine Room/Boiler House. |
| B-3, B-4, and B-9 | Characterize potential impacts to soil in area of baseball field and former Gas Holder operations. |
| B-5, B-6, B-7, and B-8 | Characterize potential impacts to soil in area of proposed Major Deegan Expressway improvements. |
| **Surface Soil** | |
| SS-01 through SS-09 | Characterize existing surficial conditions for exposure assessment. |
| **Wells** | |
| MW-1 | Characterize site hydrology and potential impacts to groundwater/soil near southeastern site boundary (upgradient of former MGP holder operations). |
| MW-2 | Characterize site hydrology and potential impacts to soil/groundwater in area of former holder (downgradient of former engine room/boiler house). |
| MW-3 | Characterize site hydrology and potential impacts to soil/groundwater near former holder. |
| MW-4 | Characterize site hydrology and potential impacts to soil/groundwater in area of paved parking lot (downgradient of former holder). Approximate location of boring DH-1, drilled during Hazardous Waste Assessment conducted in 1999. |
| MW-5 | Characterize site hydrology and potential impacts to soil/groundwater in northwestern portion of site. |

**Table 4**
**Groundwater Monitoring Well Construction Details**
**Kingsbridge Station**
**Bronx, New York**

| Well ID | Well Depth (feet bgs) | Total Depth (feet bgs) | Ground Surface Elevation (feet NAVD) | Top of Riser Elevation (feet NAVD) | Inside Casing Diameter (inches) | Screen Interval (feet bgs) | Screen Type | Annular Fills | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Interval (feet bgs) | Fill Type |
| MW-1 * | 29.00 | 33.00 | 39.18 | 38.72 | 2.00 | 19-29 | Slotted<br>0.020<br>PVC | 0-15<br>15-17<br>17-33 | Cement Grout<br>Bentonite Seal<br>#2 Quartz Sand Filter |
| MW-2 | 14.50 | 15.00 | 16.01 | 15.53 | 2.00 | 5-15 | Slotted<br>0.020<br>PVC | 0-2<br>2-4<br>4-15 | Cement Grout<br>Bentonite Seal<br>#2 Quartz Sand Filter |
| MW-3 | 14.00 | 18.00 | 15.62 | 15.08 | 2.00 | 4-14 | Slotted<br>0.020<br>PVC | 0-1<br>1-2<br>2-18 | Cement Grout<br>Bentonite Seal<br>#2 Quartz Sand Filter |
| MW-4S | 16.70 | 17.00 | 17.25 | 17.01 | 2.00 | 7-17 | Slotted<br>0.020<br>PVC | 0-2<br>2-5<br>5-17 | Cement Grout<br>Bentonite Seal<br>#2 Quartz Sand Filter |
| MW-4D | 33.00 | 33.00 | 17.49 | 17.15 | 2.00 | 28-33 | Slotted<br>0.020<br>PVC | 0-18<br>18-21<br>21-33 | Cement Grout<br>Bentonite Seal<br>#2 Quartz Sand Filter |
| MW-5S | 23.00 | 23.00 | 23.47 | 23.25 | 2.00 | 13-23 | Slotted<br>0.020<br>PVC | 0-8<br>8-10<br>10-23 | Cement Grout<br>Bentonite Seal<br>#2 Quartz Sand Filter |
| MW-5D | 37.25 | 38.00 | 23.57 | 23.27 | 2.00 | 33-38 | Slotted<br>0.020<br>PVC | 0-29<br>29-31<br>31-38 | Cement Grout<br>Bentonite Seal<br>#2 Quartz Sand Filter |

*Abandoned in accordance with NYSDEC guidance document *Groundwater Monitoring Well Decommissioning Procedures* , April 2003.

## Table 5
## Sample Collection and Analytical Summary
## Kingsbridge Station
## Bronx, New York

| Medium | Sampling Method | Analytical Parameters | Number of Samples | Number of Field Blanks | Number of Trip Blanks | Number of Field Duplicates |
|---|---|---|---|---|---|---|
| Surface Soil | Grab from baseball field | VOCs<br>SVOCs<br>TAL Metals<br>PCBs<br>Cyanide | 9 | 1 | 1 | 1 |
| Subsurface Soil | Split spoon from borings | VOCs<br>SVOCs<br>TAL Metals<br>PCBs<br>Cyanide | 44 | 3 | 0 | 3 |
| Groundwater | Peristaltic pump | VOCs<br>SVOCs<br>TAL Metals<br>PCBs<br>Cyanide | 7 | 1 | 1 | 1 |

**Notes:**

VOCs – volatile organic compounds - EPA SW846 method 8260B
SVOCs – semivolatile organic compounds - EPA SW846 method 8270C
TAL – target analyte list - EPA 6000/7000 Series
Cyanide - EPA SW846 Method 9012
PCBs - polychlorinated byphenols EPA SW846 Method 8081

## Table 6
## Groundwater Elevation Data
## Kingsbridge Station
## Bronx, New York

| Location | Surveyed Top of Casing Elevation | February 22, 2004 | | February 27, 2004 | |
|---|---|---|---|---|---|
| | | Depth to Groundwater (feet from TOC) | Groundwater Elevation (feet NAVD) | Depth to Groundwater (feet from TOC) | Groundwater Elevation (feet NAVD) |
| MW-1 | 38.72 | 19.90 | 18.82 | 19.95 | 18.77 |
| MW-2 | 15.53 | 7.98 | 7.55 | 8.00 | 7.53 |
| MW-3 | 15.08 | 3.60 | 11.48 | 3.67 | 11.41 |
| MW-4S | 17.01 | 8.62 | 8.39 | 8.63 | 8.38 |
| MW-4D | 17.15 | 10.18 | 6.97 | 9.02 | 8.13 |
| MW-5S | 23.25 | 14.49 | 8.76 | 14.55 | 8.70 |
| MW-5D | 23.27 | 14.59 | 8.68 | 14.64 | 8.63 |

**Table 7**
**Surface-Soil Summary Statistics**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC RSCO (TAGM 4046) | Number of Samples Analyzed | Number of Detections | Maximum Detected Concentration (mg/kg) | Sample with Maximum Detected Concentration | Number of Detections that Exceed NYSDEC RSCO | Percent Detected that Exceed NYSDEC RSCO |
|---|---|---|---|---|---|---|---|
| **VOCs (mg/kg)** | | | | | | | |
| Xylene, Total | 1.2 | 18 | 2 | 0.002 | KS-SS-5 | 0 | 0 |
| Total VOCs | 10 | 9 | 1 | 0.002 | KS-SS-5 | 0 | 0 |
| **SVOCs (mg/kg)** | | | | | | | |
| Acenaphthene | 50 | 9 | 1 | 0.062 | KS-SS-2 | 0 | 0 |
| Acenaphthylene | 41 | 9 | 9 | 0.41 | KS-SS-1 | 0 | 0 |
| Anthracene | 50 | 9 | 9 | 0.18 | KS-SS-2 | 0 | 0 |
| Benzo[g,h,i]perylene | 50 | 9 | 9 | 1 | KS-SS-1 | 0 | 0 |
| Fluoranthene | 50 | 9 | 9 | 1.2 | KS-SS-1 | 0 | 0 |
| Fluorene | 50 | 9 | 1 | 0.065 | KS-SS-2 | 0 | 0 |
| Phenanthrene | 50 | 9 | 9 | 0.77 | KS-SS-2 | 0 | 0 |
| Pyrene | 50 | 9 | 9 | 0.91 | KS-SS-1 | 0 | 0 |
| Benz[a]anthracene | 0.224 | 9 | 9 | 0.38 | KS-SS-1 / KS-SS-2 | 2 | 22 |
| Benzo[a]pyrene | 0.061 | 9 | 9 | 0.57 | KS-SS-1 | 9 | 100 |
| Benzo[b]fluoranthene | 1.1 | 9 | 9 | 0.75 | KS-SS-1 | 0 | 0 |
| Benzo[k]fluoranthene | 1.1 | 9 | 8 | 0.73 | KS-SS-1 | 0 | 0 |
| Chrysene | 0.4 | 9 | 9 | 0.84 | KS-SS-1 | 2 | 22 |
| Dibenz[a,h]anthracene | 0.014 | 9 | 7 | 0.24 | KS-SS-1 | 7 | 100 |
| Indeno[1,2,3-cd]pyrene | 3.2 | 9 | 9 | 0.82 | KS-SS-1 | 0 | 0 |
| Bis(2-ethylhexyl)phthalate | 50 | 9 | 1 | 0.95 | KS-SS-1 | 0 | 0 |
| Butyl benzyl phthalate | 50 | 9 | 4 | 0.093 | KS-SS-3 | 0 | 0 |
| Carbazole | NE | 9 | 2 | 0.15 | KS-SS-1 | 0 | 0 |
| Dibenzofuran | 6.2 | 9 | 1 | 0.054 | KS-SS-2 | 0 | 0 |
| Total SVOCs | 500 | 9 | 9 | 9.614 | KS-SS-1 | 0 | 0 |
| **PCBs (mg/kg)** | | | | | | | |
| Aroclor 1248 | 10 | 9 | 8 | 2.3 | KS-SS-1 | 4 | 50 |
| Aroclor 1260 | 10 | 9 | 2 | 0.019 | KS-SS-6 | 0 | 0 |
| **Inorganics (mg/kg)** | | | | | | | |
| Aluminum | SB | 9 | 9 | 9120 | KS-SS-6 | 0 | 0 |
| Arsenic | 7.5 or SB | 9 | 9 | 11.3 | KS-SS-1 | 4 | 44 |
| Barium | 300 or SB | 9 | 9 | 53.1 | KS-SS-6 | 0 | 0 |
| Calcium | SB | 9 | 9 | 30700 | KS-SS-8 | 0 | 0 |

**Table 7**
**Surface-Soil Summary Statistics**
**Kingsbridge Station**
**Bronx, New York**

| **Chemical Name** | NYSDEC RSCO (TAGM 4046) | Number of Samples Analyzed | Number of Detections | Maximum Detected Concentration (mg/kg) | Sample with Maximum Detected Concentration | Number of Detections that Exceed NYSDEC RSCO | Percent Detected that Exceed NYSDEC RSCO |
|---|---|---|---|---|---|---|---|
| Chromium | 10 or SB | 9 | 9 | 16.4 | KS-SS-9 | 9 | 100 |
| Cobalt | 30 or SB | 9 | 9 | 5.1 | KS-SS-7 | 0 | 0 |
| Copper | 25 or SB | 9 | 9 | 40.4 | KS-SS-7 | 1 | 11 |
| Iron | 2000 or SB | 9 | 9 | 13000 | KS-SS-7 | 9 | 100 |
| Lead | SB | 9 | 9 | 59 | KS-SS-6 | 0 | 0 |
| Magnesium | SB | 9 | 9 | 10000 | KS-SS-8 | 0 | 0 |
| Manganese | SB | 9 | 9 | 287 | KS-SS-6 | 0 | 0 |
| Mercury | 0.1 | 9 | 8 | 0.13 | KS-SS-3 / K-SS-6 K-SS-7 / K-SS-8 | 5 | 56 |
| Nickel | 13 or SB | 9 | 6 | 98.8 | KS-SS-5 | 6 | 100 |
| Potassium | SB | 9 | 9 | 582 | KS-SS-4 | 0 | 0 |
| Silver | SB | 9 | 5 | 0.6 | KS-SS-9 | 0 | 0 |
| Sodium | SB | 9 | 9 | 166 | KS-SS-7 | 0 | 0 |
| Vanadium | 150 or SB | 9 | 9 | 24 | KS-SS-7 | 0 | 0 |
| Zinc | 20 or SB | 9 | 8 | 298 | KS-SS-7 | 8 | 100 |

**Table 8**
**Subsurface-Soil Summary Statistics**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC RSCO (TAGM 4046) | Number of Samples Analyzed | Number of Detections | Maximum Detected Concentration (mg/kg) | Sample with Maximum Detected Concentration | Number of Detections that Exceed NYSDEC RSCO | Percent Detected that Exceed NYSDEC RSCO |
|---|---|---|---|---|---|---|---|
| **VOCs** | | | | | | | |
| Acetone | 0.2 | 44 | 26 | 0.067 | KS-B-6 (2-5) | 0 | 0 |
| Benzene | 0.06 | 44 | 3 | 0.059 | KS-MW-2 (16-18) | 0 | 0 |
| Butanone,2- (MEK) | 0.3 | 44 | 7 | 0.016 | KS-B-6 (2-5) | 0 | 0 |
| Carbon disulfide | 2.7 | 44 | 14 | 0.011 | KS-MW-2 (16-18) | 0 | 0 |
| Ethylbenzene | 5.5 | 44 | 12 | 0.027 | KS-MW-2 (16-18) | 0 | 0 |
| Methylene chloride | 0.1 | 44 | 13 | 0.005 | KS-MW-4 (10-12) / KS-B-6A(10-12) | 0 | 0 |
| Styrene | NE | 44 | 2 | 0.056 | KS-MW-2 (16-18) | 0 | 0 |
| Toluene | 1.5 | 44 | 12 | 0.11 | KS-MW-2 (16-18) | 0 | 0 |
| Xylene, Total | 1.2 | 44 | 15 | 0.27 | KS-MW-2 (16-18) | 0 | 0 |
| Total VOCs | 10 | 44 | 39 | 0.533 | KS-MW-2 (16-18) | 0 | 0 |
| **SVOCs** | | | | | | | |
| Acenaphthene | 50 | 44 | 24 | 12 | KS-MW-3 (4-5) | 0 | 0 |
| Acenaphthylene | 41 | 44 | 26 | 1.6 | KS-B-5 (8-10) | 0 | 0 |
| Anthracene | 50 | 44 | 28 | 26 | KS-MW-3 (4-5) | 0 | 0 |
| Benz[a]anthracene | 0.224 | 44 | 30 | 27 | KS-MW-3 (4-5) | 20 | 45 |
| Benzo[a]pyrene | 0.061 | 44 | 28 | 17 | KS-MW-3 (4-5) | 24 | 55 |
| Benzo[b]fluoranthene | 1.1 | 44 | 27 | 12 | KS-MW-3 (4-5) | 7 | 16 |
| Benzo[g,h,i]perylene | 50 | 44 | 26 | 14 | KS-MW-3 (4-5) | 0 | 0 |
| Benzo[k]fluoranthene | 1.1 | 44 | 26 | 15 | KS-MW-3 (4-5) | 8 | 18 |
| Bis(2-ethylhexyl)phthalate | 50 | 44 | 24 | 0.47 | KS-B1 (26-28) | 0 | 0 |
| Butyl benzyl phthalate | 50 | 44 | 13 | 0.12 | KS-B1 (26-28) | 0 | 0 |
| Carbazole | NE | 44 | 18 | 13 | KS-MW-3 (4-5) | 0 | 0 |
| Chrysene | 0.4 | 44 | 29 | 27 | KS-MW-3 (4-5) | 17 | 39 |
| Dibenz[a,h]anthracene | 0.014 | 44 | 21 | 4.9 | KS-MW-3 (4-5) | 21 | 48 |
| Dibenzofuran | 6.2 | 44 | 19 | 8.3 | KS-MW-3 (4-5) | 1 | 2 |
| Di-n-butyl phthalate | 8.1 | 44 | 9 | 0.093 | KS-B-2 (3-4) | 0 | 0 |
| Di-n-octyl phthalate | 50 | 44 | 1 | 0.031 | KS-B-6A(10-12) | 0 | 0 |
| Fluoranthene | 50 | 44 | 30 | 75 | KS-MW-3 (4-5) | 1 | 2 |
| Fluorene | 50 | 44 | 22 | 18 | KS-MW-3 (4-5) | 0 | 0 |
| Indeno[1,2,3-cd]pyrene | 3.2 | 44 | 24 | 12 | KS-MW-3 (4-5) | 5 | 11 |
| Methylnaphthalene,2- | 36.4 | 44 | 15 | 3.7 | KS-MW-2 (16-18) | 0 | 0 |
| Methylphenol, 4- | 0.9 | 44 | 1 | 0.044 | KS-B-2 (21-23) | 0 | 0 |
| Naphthalene | 13 | 44 | 17 | 11 | KS-MW-2 (16-18) | 0 | 0 |
| Nitroaniline,4- | NE | 44 | 1 | 0.31 | KS-MW-1 (3-4) | 0 | 0 |
| Phenanthrene | 50 | 44 | 30 | 82 | KS-MW-3 (4-5) | 1 | 2 |
| Pyrene | 50 | 44 | 30 | 68 | KS-MW-3 (4-5) | 1 | 2 |
| Total SVOCs | 500 | 44 | 41 | 434.5 | KS-MW-3 (4-5) | 0 | 0 |

**Table 8**
**Subsurface-Soil Summary Statistics**
**Kingsbridge Station**
**Bronx, New York**

| **Chemical Name** | NYSDEC RSCO (TAGM 4046) | Number of Samples Analyzed | Number of Detections | Maximum Detected Concentration (mg/kg) | Sample with Maximum Detected Concentration | Number of Detections that Exceed NYSDEC RSCO | Percent Detected that Exceed NYSDEC RSCO |
|---|---|---|---|---|---|---|---|
| **PCBs** | | | | | | | |
| Aroclor 1248 | 10 | 44 | 2 | 0.011 | KS-MW-3 (7-9) / KS-B-5 (8-10) | 0 | 0 |
| Aroclor 1254 | 10 | 44 | 8 | 0.11 | KS-B-4 (3-4) | 0 | 0 |
| Aroclor 1260 | 10 | 44 | 11 | 0.025 | KS-B-4 (3-4) | 0 | 0 |
| **Inorganics** | | | | | | | |
| Aluminum | SB | 44 | 44 | 26200 | KS-B-7 (48-49) | 0 | 0 |
| Antimony | SB | 44 | 2 | 3.6 | KS-B-5 (8-10) | 0 | 0 |
| Arsenic | 7.5 or SB | 44 | 31 | 21.5 | KS-B-4 (3-4) | 2 | 5 |
| Barium | 300 or SB | 44 | 44 | 487 | KS-B-7 (48-49) | 2 | 5 |
| Beryllium | 0.16 or SB | 44 | 2 | 0.97 | KS-B-7 (48-49) | 2 | 5 |
| Cadmium | 1 or SB | 44 | 1 | 1.7 | KS-MW-2 (16-18) | 1 | 2 |
| Calcium | SB | 44 | 44 | 122000 | KS-MW-2 (16-18) | 0 | 0 |
| Chromium | 10 or SB | 44 | 44 | 160 | KS-MW-5 (34-36) | 43 | 98 |
| Cobalt | 30 or SB | 44 | 44 | 43.7 | KS-B-7 (48-49) | 3 | 7 |
| Copper | 25 or SB | 44 | 44 | 738 | KS-B-5A (12-14) | 26 | 59 |
| Iron | 2000 or SB | 44 | 44 | 62100 | KS-B-2 (38-40) | 44 | 100 |
| Lead | SB | 44 | 44 | 445 | KS-MW-2 (16-18) | 0 | 0 |
| Magnesium | SB | 44 | 44 | 50900 | KS-B-4 (22-24) | 0 | 0 |
| Manganese | SB | 44 | 44 | 697 | KS-B-5 (3-5) | 0 | 0 |
| Mercury | 0.1 | 44 | 21 | 0.3 | KS-B-6 (2-5) | 12 | 27 |
| Nickel | 13 or SB | 44 | 36 | 229 | KS-MW-5 (34-36) | 35 | 80 |
| Potassium | SB | 44 | 44 | 12800 | KS-MW-5 (34-36) | 0 | 0 |
| Sodium | SB | 44 | 39 | 868 | KS-B-5 (8-10) | 0 | 0 |
| Thallium | SB | 44 | 1 | 4.2 | KS-B-2 (38-40) | 0 | 0 |
| Vanadium | 150 or SB | 44 | 44 | 190 | KS-MW-5 (34-36) | 2 | 5 |
| Zinc | 20 or SB | 44 | 44 | 810 | KS-B-5 (3-5) | 44 | 100 |
| Cyanide, Total | NE | 44 | 4 | 30.3 | KS-MW-2 (16-18) | 0 | 0 |

**NOTES**
NYSDEC - New York State Department of Environmental Conservation
RSCO - Recommended Soil Cleanup Objective
TAGM - Technical Administrative Guidance Memorandum
mg/kg - milligrams per kilogram
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
PCBs - Polychlorinated Biphenyls
SB - Site Background

**Table 9**
**Surface-Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/Depth (ft)/Date | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | KS-SS-1 0-2 inches 1/8/2004 | KS-SS-2 0-2 inches 1/8/2004 | KS-SS-3 0-2 inches 1/8/2004 | KS-SS-4 0-2 inches 1/8/2004 | KS-SS-5 0-2 inches 1/8/2004 | KS-SS-6 0-2 inches 1/8/2004 | KS-SS-7 0-2 inches 1/8/2004 | KS-SS-8 0-2 inches 1/8/2004 | KS-SS-9 0-2 inches 1/8/2004 |
| ***VOCs (mg/kg)*** | | | | | | | | | | |
| Xylene, Total | 1.2 | 0.007 U | 0.006 U | 0.006 U | 0.007 U | **0.002 J** | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Total VOCs | 10 | ND | ND | ND | ND | **0.002** | ND | ND | ND | ND |
| ***SVOCs (mg/kg)*** | | | | | | | | | | |
| Acenaphthene | 50 | 0.87 U | **0.062 J** | 0.76 U | 0.95 U | 0.92 U | 0.78 U | 0.76 U | 0.78 U | 0.81 U |
| Acenaphthylene | 41 | **0.41 J** | **0.099 J** | **0.057 J** | **0.12 J** | **0.041 J** | **0.063 J** | **0.07 J** | **0.058 J** | **0.035 J** |
| Anthracene | 50 | **0.16 J** | **0.18 J** | **0.074 J** | **0.063 J** | **0.043 J** | **0.066 J** | **0.083 J** | **0.056 J** | **0.059 J** |
| Benzo[g,h,i]perylene | 50 | **1** | **0.33 J** | **0.22 J** | **0.21 J** | **0.14 J** | **0.17 J** | **0.16 J** | **0.14 J** | **0.12 J** |
| Fluoranthene | 50 | **1.2** | **0.8** | **0.45 J** | **0.33 J** | **0.24 J** | **0.35 J** | **0.4 J** | **0.32 J** | **0.32 J** |
| Fluorene | 50 | 0.87 U | **0.065 J** | 0.76 U | 0.95 U | 0.92 U | 0.78 U | 0.76 U | 0.78 U | 0.81 U |
| Phenanthrene | 50 | **0.45 J** | **0.77** | **0.26 J** | **0.13 J** | **0.13 J** | **0.17 J** | **0.21 J** | **0.15 J** | **0.18 J** |
| Pyrene | 50 | **0.91** | **0.7** | **0.35 J** | **0.27 J** | **0.19 J** | **0.28 J** | **0.33 J** | **0.24 J** | **0.25 J** |
| Benz[a]anthracene | 0.224 | **0.38 J** | **0.38 J** | **0.22 J** | **0.18 J** | **0.13 J** | **0.2 J** | **0.22 J** | **0.18 J** | **0.17 J** |
| Benzo[a]pyrene | 0.061 | **0.57 J** | **0.33 J** | **0.21 J** | **0.19 J** | **0.12 J** | **0.19 J** | **0.2 J** | **0.18 J** | **0.16 J** |
| Benzo[b]fluoranthene | 1.1 | **0.75 J** | **0.24 J** | **0.17 J** | **0.19 J** | **0.12 J** | **0.16 J** | **0.16 J** | **0.15 J** | **0.14 J** |
| Benzo[k]fluoranthene | 1.1 | **0.73 J** | **0.29 J** | **0.2 J** | **0.17 J** | 0.92 U | **0.15 J** | **0.16 J** | **0.14 J** | **0.13 J** |
| Chrysene | 0.4 | **0.84 J** | **0.42 J** | **0.27 J** | **0.24 J** | **0.16 J** | **0.23 J** | **0.24 J** | **0.2 J** | **0.19 J** |
| Dibenz[a,h]anthracene | 0.014 | **0.24 J** | **0.12 J** | **0.079 J** | **0.068 J** | ***0.92 U*** | **0.061 J** | **0.054 J** | **0.051 J** | ***0.81 U*** |
| Indeno[1,2,3-cd]pyrene | 3.2 | **0.82 J** | **0.29 J** | **0.2 J** | **0.19 J** | **0.11 J** | **0.15 J** | **0.14 J** | **0.13 J** | **0.11 J** |
| Bis(2-ethylhexyl)phthalate | 50 | **0.95** | 0.7 U | 0.76 U | 0.95 U | 0.92 U | 0.78 U | 0.76 U | 0.78 U | 0.81 U |
| Butyl benzyl phthalate | 50 | **0.054 J** | **0.048 J** | **0.093 J** | 0.95 U | 0.92 U | 0.78 U | 0.76 U | 0.78 U | **0.061 J** |
| Carbazole | NE | **0.15 J** | **0.082 J** | 0.76 U | 0.95 U | 0.92 U | 0.78 U | 0.76 U | 0.78 U | 0.81 U |
| Dibenzofuran | 6.2 | 0.87 U | **0.054 J** | 0.76 U | 0.95 U | 0.92 U | 0.78 U | 0.76 U | 0.78 U | 0.81 U |
| Total SVOCs | 500 | **9.614** | **5.26** | **2.853** | **2.351** | **1.424** | **2.24** | **2.427** | **1.995** | **1.925** |
| ***PCBs (mg/kg)*** | | | | | | | | | | |
| Aroclor 1248 | 1 | **0.091 J** | **2.3** | **1.7** | **0.076** | **2.3** | **0.24** | **0.024 J** | 0.02 U | **1.6** |
| Aroclor 1260 | 1 | **0.0069 J** | 0.37 U | 0.4 U | 0.025 U | 0.47 U | **0.019 J** | 0.02 U | 0.02 U | 0.42 U |

**Table 9**
**Surface-Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/Depth (ft)/Date | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | KS-SS-1 0-2 inches 1/8/2004 | KS-SS-2 0-2 inches 1/8/2004 | KS-SS-3 0-2 inches 1/8/2004 | KS-SS-4 0-2 inches 1/8/2004 | KS-SS-5 0-2 inches 1/8/2004 | KS-SS-6 0-2 inches 1/8/2004 | KS-SS-7 0-2 inches 1/8/2004 | KS-SS-8 0-2 inches 1/8/2004 | KS-SS-9 0-2 inches 1/8/2004 |
| ***Inorganics (mg/kg)*** | | | | | | | | | | |
| Aluminum | SB | **4340** | **7990** | **5600** | **6820** | **6660** | **9120** | **7570** | **6850** | **7960** |
| Arsenic | 7.5 or SB | **3.4** | **11.3** | **6.2** | **6.8** | **7.9** | **8.5** | **7.4** | **7.2** | **9** |
| Barium | 300 or SB | **31.7** | **38** | **26.8** | **42.7** | **41.5** | **53.1** | **40.7** | **36.7** | **33.9** |
| Calcium | SB | **1950 J** | **5400 J** | **1950 J** | **3470 J** | **5130 J** | **7440 J** | **11200 J** | **30700 J** | **2100 J** |
| Chromium | 10 or SB | **12.2** | **16.3** | **11.3** | **15.2** | **14.8** | **16.3** | **12.2** | **11.5** | **16.4** |
| Cobalt | 30 or SB | **4.1** | **4.1** | **2.6** | **4.2** | **3.3** | **5.1** | **5.1** | **3.7** | **3.9** |
| Copper | 25 or SB | **19.4 J** | **19.8 J** | **16.7 J** | **24.2 J** | **19.2 J** | **19.2 J** | **40.4 J** | **16.3 J** | **18.1 J** |
| Iron | 2000 or SB | **9050** | **12100** | **8270** | **11900** | **9940** | **13000** | **13000** | **10000** | **11400** |
| Lead | SB | **27.2** | **45.8** | **33.6** | **45.2** | **33.1** | **59** | **55.2** | **47.3** | **44** |
| Magnesium | SB | **922** | **2380** | **1240** | **1880** | **2420** | **3790** | **5880** | **10000** | **1430** |
| Manganese | SB | **104 J** | **173 J** | **120 J** | **185 J** | **144 J** | **287 J** | **211 J** | **187 J** | **177 J** |
| Mercury | 0.1 | 0.059 U | **0.089** | **0.13** | **0.099** | **0.09** | **0.13** | **0.13** | **0.13** | **0.12** |
| Nickel | 13 or SB | **29 J** | **57.3 J** | 7.4 UJ | **71.9 J** | **98.8 J** | **83.3 J** | **35.7 J** | ***14.8 UJ*** | 10.5 UJ |
| Potassium | SB | **416 J** | **439 J** | **332 J** | **582 J** | **490 J** | **571 J** | **493 J** | **549 J** | **425 J** |
| Silver | SB | 0.5 U | **0.54** | **0.44** | 0.5 U | 0.5 U | **0.56** | **0.57** | 0.44 U | **0.6** |
| Sodium | SB | **55.2** | **112** | **42.3** | **51.8** | **113** | **83.9** | **166** | **81.4** | **40.1** |
| Vanadium | 150 or SB | **15.7** | **20.3** | **14.6** | **20** | **17.2** | **21.9** | **24** | **17.2** | **19.7** |
| Zinc | 20 or SB | **97.4 J** | **63.5 J** | R | **87.7 J** | **62.3 J** | **67 J** | **298 J** | **56.1 J** | **52.2 J** |

**Notes:**

NYSDEC - New York State Department of Environmental Conservation
TAGM - Technical and Administrative Guidance Memorandum
mg/kg is milligrams per kilogram
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
PCBs - Polychlorinated Biphenyls
J - estimated value
U - not detected to the reporting limit shown (for organic analyses)
and the method detection limit shown (for inorganic analyses)
UJ - not detected to the limit shown, the limit shown is estimated
R - rejected value
ND - Total concentration is listed as ND because no compounds were detected.
NE - Cleanup objective not established
Blue - Compound Detected in sample
Red - Concentration exceeds NYSDEC-recommended cleanup objective
SB - Site Background

Bold and italicized results indicate that the limit shown for a non-detect result was greater than the applicable soil cleanup objective.

**Table 10**
**Subsurface-Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/(ft. below grade)/Sample Date | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | KS-B-1 (3-4) 2/2/2004 | KS-B1 (26-28) 2/4/2004 | KS-B1 (30-32) 2/5/2004 | KS-B-2 (3-4) 2/2/2004 | KS-B-2 (21-23) 2/3/2004 | KS-B-2 (38-40) 2/4/2004 | KS-B-3 (2-4) 1/13/2004 | KS-B-3 (6-7) 1/30/2004 | KS-B-3 (9-10) 1/30/2004 |
| ***VOCs (mg/kg)*** | | | | | | | | | | |
| Benzene | 0.06 | 0.006 U | **0.014 J** | **0.002 J** | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Ethylbenzene | 5.5 | **0.002 J** | **0.002 J** | 0.006 U | **0.003 J** | **0.002 J** | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Toluene | 1.5 | **0.001 J** | **0.011 J** | 0.006 U | **0.002 J** | **0.002 J** | 0.006 U | **0.0006 J** | 0.006 U | 0.006 U |
| Xylene, Total | 1.2 | **0.007** | **0.008 J** | 0.006 U | **0.011** | **0.008** | **0.002 J** | 0.006 U | 0.006 U | 0.006 U |
| Acetone | 0.2 | 0.012 UJ | **0.013 J** | **0.013 J** | **0.014 J** | **0.056 J** | **0.007 J** | 0.011 UJ | **0.009 J** | **0.016 J** |
| Butanone,2- (MEK) | 0.3 | 0.012 U | 0.012 U | 0.012 U | 0.011 U | **0.012** | 0.011 U | 0.011 U | 0.012 U | 0.012 U |
| Carbon disulfide | 2.7 | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | **0.0007 J** | 0.006 U | **0.0007 J** |
| Methylene chloride | 0.1 | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | **0.002 J** | **0.002 J** |
| Styrene | NE | 0.006 U | **0.002 J** | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Total VOCs | 10 | **0.01** | **0.05** | **0.015** | **0.03** | **0.08** | **0.009** | **0.0013** | **0.011** | **0.0187** |
| ***SVOCs (mg/kg)*** | | | | | | | | | | |
| Acenaphthene | 50 | 0.38 U | **0.024 J** | 0.38 U | 0.36 U | **0.066 J** | 0.35 U | **3.3 J** | 0.77 U | **0.025 J** |
| Acenaphthylene | 41 | 0.38 U | **0.023 J** | 0.38 U | 0.36 U | **0.088 J** | 0.35 U | **0.21 J** | **0.15 J** | 0.37 U |
| Anthracene | 50 | 0.38 U | **0.033 J** | 0.38 U | 0.36 U | **0.13 J** | 0.35 U | **6.7 J** | **0.085 J** | **0.056 J** |
| Benzo[g,h,i]perylene | 50 | 0.38 UJ | **0.056 J** | 0.38 U | 0.36 UJ | **0.31 J** | 0.35 U | **3.2 J** | **0.17 J** | **0.065 J** |
| Fluoranthene | 50 | 0.38 U | **0.12 J** | **0.046 J** | 0.36 U | **0.57** | 0.35 U | **22 J** | **0.46 J** | **0.27 J** |
| Fluorene | 50 | 0.38 U | 0.39 U | 0.38 U | 0.36 U | **0.058 J** | 0.35 U | **3.1 J** | 0.77 U | 0.37 U |
| Methylnaphthalene,2- | 36.4 | 0.38 U | 0.39 U | 0.38 U | 0.36 U | **0.051 J** | 0.35 U | **1.2 J** | 0.77 U | 0.37 U |
| Naphthalene | 13 | 0.38 U | 0.39 U | 0.38 U | 0.36 U | 0.38 U | 0.35 U | **3 J** | 0.77 U | 0.37 U |
| Phenanthrene | 50 | 0.38 U | **0.1 J** | 0.38 U | **0.029 J** | **0.43** | 0.35 U | **29 J** | **0.18 J** | **0.17 J** |
| Pyrene | 50 | 0.38 UJ | **0.15 J** | **0.063 J** | 0.36 UJ | **0.73** | 0.35 U | **18 J** | **0.37 J** | **0.23 J** |
| Benz[a]anthracene | 0.224 | ***0.38 U*** | **0.064 J** | **0.019 J** | ***0.36 U*** | **0.33 J** | ***0.35 U*** | **8.7 J** | **0.24 J** | **0.14 J** |
| Benzo[a]pyrene | 0.061 | ***0.38 U*** | **0.056 J** | ***0.38 U*** | ***0.36 U*** | **0.3 J** | ***0.35 U*** | **6.4 J** | **0.26 J** | **0.13 J** |
| Benzo[b]fluoranthene | 1.1 | 0.38 U | **0.054 J** | 0.38 U | 0.36 U | **0.25 J** | 0.35 U | **5.2 J** | **0.22 J** | **0.098 J** |
| Benzo[k]fluoranthene | 1.1 | 0.38 U | **0.05 J** | 0.38 U | 0.36 U | **0.28 J** | 0.35 U | **5.9 J** | **0.25 J** | **0.12 J** |
| Chrysene | 0.4 | 0.38 U | **0.067 J** | 0.38 U | 0.36 U | **0.36 J** | 0.35 U | **7.9 J** | **0.29 J** | **0.13 J** |
| Dibenz[a,h]anthracene | 0.014 | ***0.38 UJ*** | ***0.39 U*** | ***0.38 UJ*** | ***0.36 UJ*** | **0.093 J** | ***0.35 U*** | **1.8 J** | **0.069 J** | **0.032 J** |
| Indeno[1,2,3-cd]pyrene | 3.2 | 0.38 UJ | 0.39 U | 0.38 UJ | 0.36 UJ | **0.26 J** | 0.35 U | **3.1 J** | **0.15 J** | **0.064 J** |
| Bis(2-ethylhexyl)phthalate | 50 | **0.091 J** | **0.47** | **0.16 J** | **0.11 J** | **0.25 J** | 0.35 U | 5.9 U | 0.77 U | **0.048 J** |
| Butyl benzyl phthalate | 50 | 0.38 UJ | **0.12 J** | **0.038 J** | **0.014 J** | **0.05 J** | 0.35 U | 5.9 U | 0.77 U | 0.37 U |
| Carbazole | NE | 0.38 U | 0.39 U | 0.38 U | 0.36 U | **0.066 J** | 0.35 U | **2.5 J** | 0.77 U | 0.37 U |
| Dibenzofuran | 6.2 | 0.38 U | 0.39 U | 0.38 U | 0.36 U | **0.028 J** | 0.35 U | **2.3 J** | 0.77 U | 0.37 U |
| Di-n-butyl phthalate | 8.1 | **0.075 J** | **0.018 J** | 0.38 U | **0.093 J** | **0.025 J** | **0.019 J** | 5.9 U | 0.77 U | 0.37 U |
| Di-n-octyl phthalate | 50 | 0.38 U | 0.39 U | 0.38 U | 0.36 U | 0.38 U | 0.35 U | 5.9 U | 0.77 U | 0.37 U |
| Methylphenol, 4- | 0.9 | 0.38 U | 0.39 U | 0.38 U | 0.36 U | **0.044 J** | 0.35 U | ***5.9 U*** | 0.77 U | 0.37 U |
| Nitroaniline,4- | NE | 0.76 UJ | 0.78 U | 0.75 UJ | 0.72 UJ | 0.77 U | 0.7 U | 12 U | 1.5 U | 0.75 U |
| Total SVOCs | 500 | **0.166** | **1.405** | **0.326** | **0.246** | **4.769** | **0.019** | **133.51** | **2.894** | **1.578** |

**Table 10 (continued)**
**Subsurface-Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/(ft. below grade)/Sample Date | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | KS-B-1 (3-4) 2/2/2004 | KS-B1 (26-28) 2/4/2004 | KS-B1 (30-32) 2/5/2004 | KS-B-2 (3-4) 2/2/2004 | KS-B-2 (21-23) 2/3/2004 | KS-B-2 (38-40) 2/4/2004 | KS-B-3 (2-4) 1/13/2004 | KS-B-3 (6-7) 1/30/2004 | KS-B-3 (9-10) 1/30/2004 |
| ***PCBs (mg/kg)*** | | | | | | | | | | |
| Aroclor 1248 | 10 | 0.02 UJ | 0.02 U | 0.02 U | 0.019 U | 0.02 U | 0.019 U | 0.019 U | 0.02 U | 0.02 U |
| Aroclor 1254 | 10 | 0.02 UJ | 0.02 U | 0.02 U | **0.014 J** | **0.087** | 0.019 U | **0.0097 J** | **0.011 J** | 0.02 U |
| Aroclor 1260 | 10 | **0.014 J** | 0.02 U | 0.02 U | **0.0084 J** | **0.011 J** | 0.019 U | 0.019 U | 0.02 U | 0.02 U |
| ***Inorganics (mg/Kg)*** | | | | | | | | | | |
| Cyanide, Total | NE | 0.125 UJ | 0.0641 UJ | 0.0708 UJ | 0.0589 UJ | 0.0655 UJ | 0.187 UJ | 0.0588 UJ | 0.0628 UJ | 0.0617 UJ |
| Aluminum | SB | **10800** | **6740** | **8150** | **9340** | **7810** | **24200** | **12500** | **15200** | **4980** |
| Antimony | SB | 1.5 UJ | 1.6 UJ | 1.5 UJ | 1.4 UJ | 1.6 UJ | 1.5 UJ | 1.6 UJ | 1.5 UJ | 1.6 UJ |
| Arsenic | 7.5 or SB | **2.3** | 1.7 U | 1.6 U | **2.6** | **3.7** | 1.6 U | **3.1** | **3.8** | 1.7 U |
| Barium | 300 or SB | **220** | **65.6** | **55.6** | **105** | **182** | **161** | **129** | **147** | **93.6** |
| Beryllium | 0.16 or SB | ***0.68 U*** | ***0.69 U*** | ***0.67 U*** | ***0.63 U*** | ***0.7 U*** | ***0.66 U*** | ***0.69 U*** | ***0.66 U*** | ***0.71 U*** |
| Cadmium | 1 or SB | ***1.4 U*** | ***1.4 U*** | ***1.3 U*** | ***1.3 U*** | ***1.4 U*** | ***1.3 UJ*** | ***1.4 U*** | ***1.3 U*** | ***1.4 U*** |
| Calcium | SB | **13200** | **6320** | **1890** | **19900** | **20500** | **8570** | **6630** | **9460** | **2640** |
| Chromium | 10 or SB | **27.5** | **20.4** | **17.4** | **22.2** | **21** | **5.8** | **29.2** | **52.1** | **20.5** |
| Cobalt | 30 or SB | **9.1** | **6.1** | **8** | **8.7** | **6.3** | **30.2** | **10.7** | **11.1** | **7.1** |
| Copper | 25 or SB | **37.5** | **22.4** | **21.7** | **30.9** | **29.2** | **19.4** | **90.8** | **129** | **66.9** |
| Iron | 2000 or SB | **18400** | **14300** | **18100** | **16300** | **15500** | **62100** | **26400** | **26100** | **10600** |
| Lead | SB | **67** | **7.7** | **10.4** | **63.6** | **90.6** | **3.3** | **130** | **381** | **11.6** |
| Magnesium | SB | **5900** | **6170** | **4850** | **10100** | **8790** | **15900** | **7320** | **9140** | **3980** |
| Manganese | SB | **307** | **242** | **244** | **319** | **222** | **673** | **309 J** | **341** | **96.8** |
| Mercury | 0.1 | **0.11** | **0.065** | 0.051 U | **0.064** | **0.16** | 0.053 U | **0.23** | **0.15** | 0.056 U |
| Nickel | 13 or SB | **20.7** | **35.8** | **28.5** | **24.7** | **17** | **14.3** | **23.6** | 31.8 U | 16 U |
| Potassium | SB | **3220 J** | **1660 J** | **1120 J** | **2300 J** | **1070 J** | **3410 J** | **2490 J** | **1860 J** | **1260 J** |
| Sodium | SB | **412 J** | **293 J** | **238 J** | **539 J** | **362 J** | **774 J** | **245** | **178 J** | **189 J** |
| Thallium | SB | 2.7 U | 2.7 U | 2.7 U | 2.5 U | 2.8 U | **4.2** | 4.1 U | 2.6 U | 2.8 U |
| Vanadium | 150 or SB | **35.4** | **25.5** | **22.2** | **27.5** | **24.6** | **189** | **49.9** | **47.5** | **21.5** |
| Zinc | 20 or SB | **144** | **39.7** | **50.8** | **87.5** | **179** | **152** | **110** | **170** | **25.1** |

**Table 10 (continued)**
**Subsurface Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/(ft. below grade)/Sample Date | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | KS-B-4 (3-4) 1/13/2004 | KS-B-4 (9-11) 1/27/2004 | KS-B-4 (15-17) 1/27/2004 | KS-B-4 (22-24) 1/29/2004 | KS-B-5 (3-5) 1/13/2004 | KS-B-5 (8-10) 1/19/2004 | KS-B-5A (12-14) 1/21/2004 | KS-B-5 (14-16) 1/19/2004 |
| ***VOCs (mg/kg)*** | | | | | | | | | |
| Benzene | 0.06 | 0.006 U | 0.006 U | 0.013 U | 0.005 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Ethylbenzene | 5.5 | 0.006 U | 0.006 U | 0.013 U | 0.005 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Toluene | 1.5 | 0.006 U | 0.006 U | 0.013 U | 0.005 U | 0.006 U | 0.006 U | 0.006 U | **0.0007 J** |
| Xylene, Total | 1.2 | 0.006 U | 0.006 U | 0.013 U | 0.005 U | 0.006 U | 0.006 U | **0.003 J** | **0.002 J** |
| Acetone | 0.2 | **0.019 J** | **0.01 J** | 0.026 UJ | 0.011 UJ | **0.038 J** | **0.013 J** | 0.012 UJ | **0.007 J** |
| Butanone,2- (MEK) | 0.3 | 0.012 U | **0.014** | 0.026 U | 0.011 U | **0.005 J** | 0.012 U | 0.012 U | 0.012 U |
| Carbon disulfide | 2.7 | 0.006 U | **0.0009 J** | **0.002 J** | 0.005 U | **0.002 J** | **0.002 J** | 0.006 UJ | **0.002 J** |
| Methylene chloride | 0.1 | 0.006 U | **0.002 J** | **0.003 J** | **0.001 J** | 0.006 U | 0.006 U | **0.003 J** | 0.006 U |
| Styrene | NE | 0.006 U | 0.006 U | 0.013 U | 0.005 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Total VOCs | 10 | **0.019** | **0.0269** | **0.005** | **0.001** | **0.045** | **0.015** | **0.006** | **0.0117** |
| ***SVOCs (mg/kg)*** | | | | | | | | | |
| Acenaphthene | 50 | **0.38 J** | **3.7 J** | **3.1 J** | 0.35 U | **0.09 J** | **1.1 J** | **0.27 J** | **0.19 J** |
| Acenaphthylene | 41 | **0.25 J** | **0.29 J** | **0.41 J** | 0.35 U | **0.2 J** | **1.6 J** | **0.37 J** | **0.35 J** |
| Anthracene | 50 | **0.83** | **7.2** | **8.5** | 0.35 U | **0.36 J** | **5.1 J** | **0.8** | **0.7 J** |
| Benzo[g,h,i]perylene | 50 | **1** | **3 J** | **3.1 J** | 0.35 U | **0.25 J** | **5.9 J** | **0.32 J** | **0.95** |
| Fluoranthene | 50 | **3.2** | **23** | **24** | 0.35 U | **1.5 J** | **31** | **3.7** | **4.4** |
| Fluorene | 50 | **0.58 J** | **4.1** | **3.9 J** | 0.35 U | **0.22 J** | **3.1 J** | **0.82** | **0.54 J** |
| Methylnaphthalene,2- | 36.4 | **0.1 J** | **1.5 J** | **1.3 J** | 0.35 U | 1.5 U | 6.3 U | **3.4 J** | **0.52 J** |
| Naphthalene | 13 | **0.29 J** | **5.9** | **5.7** | 0.35 U | 1.5 U | **0.74 J** | **1.8 J** | **0.72 J** |
| Phenanthrene | 50 | **3.1** | **22** | **24** | 0.35 U | **0.69 J** | **24** | **3.8** | **3.5** |
| Pyrene | 50 | **3** | **17** | **19** | 0.35 U | **1.3 J** | **28** | **3.4** | **3.4** |
| Benz[a]anthracene | 0.224 | **1.4** | **11** | **12** | ***0.35 U*** | **0.77 J** | **14** | **1.6** | **1.7** |
| Benzo[a]pyrene | 0.061 | **1.1** | **9.8** | **10** | ***0.35 U*** | **0.81 J** | **11** | **1.3** | **1.6** |
| Benzo[b]fluoranthene | 1.1 | **0.91** | **7.8** | **8** | 0.35 U | **0.91 J** | **11** | **0.99** | **1.4** |
| Benzo[k]fluoranthene | 1.1 | **0.98** | **7.5** | **8.1** | 0.35 U | **0.78 J** | **9.1 J** | **1.3** | **1.5 J** |
| Chrysene | 0.4 | **1.5** | **10** | **11** | 0.35 U | **0.8 J** | **14** | **1.6** | **1.8** |
| Dibenz[a,h]anthracene | 0.014 | **0.35 J** | **1.4 J** | **1.5 J** | ***0.35 U*** | **0.14 J** | **3.5 J** | **0.16 J** | **0.44 J** |
| Indeno[1,2,3-cd]pyrene | 3.2 | **0.85** | **3.8 J** | **3.7 J** | 0.35 U | **0.28 J** | **5.7 J** | **0.4 J** | **0.9** |
| Bis(2-ethylhexyl)phthalate | 50 | **0.39 J** | 3.9 U | 4.3 U | 0.35 U | 1.5 U | 6.3 U | 0.79 U | **0.17 J** |
| Butyl benzyl phthalate | 50 | 0.77 U | 3.9 U | 4.3 U | 0.35 U | 1.5 U | 6.3 U | 0.79 U | 0.78 U |
| Carbazole | NE | **0.31 J** | **2.9 J** | **2.3 J** | 0.35 U | 1.5 U | **1.2 J** | **0.63 J** | **0.3 J** |
| Dibenzofuran | 6.2 | **0.35 J** | **2.3 J** | **2.2 J** | 0.35 U | **0.13 J** | **1.3 J** | **0.56 J** | **0.35 J** |
| Di-n-butyl phthalate | 8.1 | 0.77 U | 3.9 U | 4.3 U | 0.35 U | 1.5 U | 6.3 U | **0.072 J** | 0.78 U |
| Di-n-octyl phthalate | 50 | 0.77 U | 3.9 U | 4.3 U | 0.35 U | 1.5 U | 6.3 U | 0.79 U | 0.78 U |
| Methylphenol, 4- | 0.9 | 0.77 U | ***3.9 U*** | ***4.3 U*** | 0.35 U | ***1.5 U*** | ***6.3 U*** | 0.79 U | 0.78 U |
| Nitroaniline,4- | NE | 1.5 U | 7.8 U | 8.5 U | 0.7 U | 3.1 U | 13 U | 1.6 U | 1.6 U |
| Total SVOCs | 500 | **20.87** | **144.19** | **151.81** | ND | **9.23** | **171.34** | **27.292** | **25.43** |

**Table 10 (continued)**
**Subsurface Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/(ft. below grade)/Sample Date | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | KS-B-4 (3-4) 1/13/2004 | KS-B-4 (9-11) 1/27/2004 | KS-B-4 (15-17) 1/27/2004 | KS-B-4 (22-24) 1/29/2004 | KS-B-5 (3-5) 1/13/2004 | KS-B-5 (8-10) 1/19/2004 | KS-B-5A (12-14) 1/21/2004 | KS-B-5 (14-16) 1/19/2004 |
| ***PCBs (mg/kg)*** | | | | | | | | | |
| Aroclor 1248 | 10 | 0.02 U | 0.02 U | 0.022 U | 0.018 U | 0.02 U | **0.011 J** | 0.02 U | 0.021 U |
| Aroclor 1254 | 10 | **0.11 NJ** | 0.02 U | 0.022 U | 0.018 U | **0.021 NJ** | 0.021 U | 0.02 U | 0.021 U |
| Aroclor 1260 | 10 | **0.025** | 0.02 U | **0.017 J** | 0.018 U | **0.0074 J** | **0.012 J** | **0.011 J** | 0.021 U |
| ***Inorganics (mg/Kg)*** | | | | | | | | | |
| Cyanide, Total | NE | 0.063 UJ | 0.0644 UJ | **0.183 J** | 0.057 UJ | 0.0848 UJ | **0.0659 UJ** | 0.0643 UJ | **1.55 J** |
| Aluminum | SB | **7750** | **8040** | **6980** | **5030** | **10100** | **9770** | **5230** | **8090** |
| Antimony | SB | 1.7 UJ | 1.8 UJ | 1.9 UJ | 1.5 UJ | 1.7 UJ | **3.6 J** | 1.6 UJ | 1.8 UJ |
| Arsenic | 7.5 or SB | **21.5** | **4.1** | **3.3** | 1.6 U | **5.4** | **4.7** | **3.7** | **4.5** |
| Barium | 300 or SB | **136** | **247** | **122** | **45.7** | **123** | **115** | **81.2** | **179** |
| Beryllium | 0.16 or SB | ***0.69 U*** | ***0.75 U*** | ***0.78 U*** | ***0.65 U*** | ***0.7 U*** | ***0.69 U*** | ***0.65 U*** | ***0.75 U*** |
| Cadmium | 1 or SB | ***1.4 U*** | ***1.5 U*** | ***1.6 U*** | ***1.3 U*** | ***1.4 U*** | ***1.4 U*** | ***1.3 U*** | ***1.5 U*** |
| Calcium | SB | **34700 J** | **89100** | **84700** | **87000** | **9260** | **44200** | **90600** | **22500** |
| Chromium | 10 or SB | **17.7** | **12.7** | **23.1** | **12.2** | **20.9** | **17.2** | **33.6** | **17.8** |
| Cobalt | 30 or SB | **5.9** | **4.6** | **3.4** | **5.5** | **8.2** | **4.2** | **5.1 J** | **6.3** |
| Copper | 25 or SB | **73.8 J** | **25.5** | **14.9** | **12.6** | **283** | **27.3** | **738** | **33.6** |
| Iron | 2000 or SB | **14600** | **8690** | **8820** | **8070** | **19000** | **11600** | **11100** | **14700** |
| Lead | SB | **52.7** | **337** | **213** | **2.1** | **195** | **155** | **39** | **175** |
| Magnesium | SB | **8380** | **18400** | **21900** | **50900** | **6630** | **6560** | **42100** | **5610** |
| Manganese | SB | **213 J** | **159** | **174** | **162** | **697 J** | **223 J** | **244 J** | **268 J** |
| Mercury | 0.1 | **0.13** | **0.084** | 0.058 U | 0.046 U | **0.081** | **0.069** | 0.055 U | **0.16** |
| Nickel | 13 or SB | 14 UJ | 10.9 U | 8.4 U | 12.5 U | **20** | **12.5** | **16.9** | **15.3** |
| Potassium | SB | **1940 J** | **1580 J** | **1170 J** | **1780 J** | **1470 J** | **1350 J** | **1620 J** | **1860 J** |
| Sodium | SB | **173** | **295 J** | **443 J** | **189 J** | 163 U | **868** | **296** | **309** |
| Thallium | SB | 4.2 U | 4.5 U | 4.7 U | 2.6 U | 4.2 U | 4.2 U | 3.9 U | 4.5 U |
| Vanadium | 150 or SB | **28.4** | **23.1** | **19.9** | **14** | **25.9** | **23.6** | **22** | **21.9** |
| Zinc | 20 or SB | **104 J** | **222** | **193** | **31.1** | **810** | **180** | **786** | **227** |

**Table 10 (continued)**
**Subsurface Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/(ft. below grade)/Sample Date | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | KS-B-6 (2-5) 1/13/2004 | KS-B-6A (10-12) 1/21/2004 | KS-B-6A (24-26) 1/21/2004 | KS-B-7 (3-5) 1/13/2004 | KS-B-7 (16.5-18) 1/16/2004 | KS-B-7 (48-49) 1/16/2004 | KS-B-8 (3-5) 1/13/2004 | KS-B-8 (12-14) 1/14/2004 | KS-B-8 (30-32) 1/14/2004 | KS-B-9 (5-7) 1/30/2004 | KS-B-9 (14-15) 1/30/2004 |
| ***VOCs (mg/kg)*** | | | | | | | | | | | | |
| Benzene | 0.06 | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Ethylbenzene | 5.5 | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Toluene | 1.5 | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Xylene, Total | 1.2 | 0.006 U | **0.003 J** | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Acetone | 0.2 | **0.067 J** | **0.032 J** | 0.011 UJ | 0.011 UJ | **0.019 J** | 0.011 UJ | **0.028 J** | 0.012 UJ | 0.012 UJ | **0.013 J** | **0.007 J** |
| Butanone,2- (MEK) | 0.3 | **0.016** | **0.006 J** | 0.011 U | 0.011 U | **0.006 J** | 0.011 U | 0.011 U | 0.012 U | 0.012 U | 0.012 U | 0.012 U |
| Carbon disulfide | 2.7 | 0.006 U | 0.006 UJ | 0.006 UJ | 0.006 U | **0.001 J** | **0.001 J** | 0.006 U | 0.006 U | 0.006 U | **0.001 J** | **0.001 J** |
| Methylene chloride | 0.1 | 0.006 U | **0.005 J** | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | **0.003 J** | **0.002 J** |
| Styrene | NE | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Total VOCs | 10 | **0.083** | **0.046** | ND | ND | **0.026** | **0.001** | **0.028** | ND | **0.002** | **0.017** | **0.01** |
| ***SVOCs (mg/kg)*** | | | | | | | | | | | | |
| Acenaphthene | 50 | **0.22 J** | **0.026 J** | 0.36 U | **0.051 J** | 0.41 U | **0.026 J** | **0.065 J** | 0.38 U | 0.4 U | 0.4 U | 0.4 U |
| Acenaphthylene | 41 | **0.62** | **0.014 J** | 0.36 U | **0.51 J** | **0.018 J** | **0.062 J** | **0.18 J** | 0.38 U | 0.4 U | **0.023 J** | 0.4 U |
| Anthracene | 50 | **0.77** | **0.047 J** | 0.36 U | **0.57 J** | **0.028 J** | **0.093 J** | **0.26 J** | 0.38 U | 0.4 U | **0.025 J** | 0.4 U |
| Benzo[g,h,i]perylene | 50 | **1** | **0.066 J** | 0.36 U | **1** | 0.41 U | 0.37 U | **0.39** | 0.38 U | 0.4 U | **0.047 J** | 0.4 U |
| Fluoranthene | 50 | **2.7** | **0.2 J** | 0.36 U | **2.8** | **0.1 J** | **0.15 J** | **0.99** | 0.38 U | 0.4 U | **0.13 J** | 0.4 U |
| Fluorene | 50 | **0.31 J** | **0.047 J** | 0.36 U | **0.15 J** | 0.41 U | **0.075 J** | **0.088 J** | 0.38 U | 0.4 U | 0.4 U | 0.4 U |
| Methylnaphthalene,2- | 36.4 | **0.09 J** | **0.42** | 0.36 U | 0.73 U | **0.18 J** | 0.37 U | **0.04 J** | 0.38 U | 0.4 U | 0.4 U | 0.4 U |
| Naphthalene | 13 | **0.21 J** | **0.17 J** | 0.36 U | 0.73 U | **0.063 J** | 0.37 U | **0.063 J** | 0.38 U | 0.4 U | 0.4 U | 0.4 U |
| Phenanthrene | 50 | **1.2** | **0.17 J** | 0.36 U | **1.5** | **0.09 J** | **0.4** | **0.52** | 0.38 U | 0.4 U | **0.064 J** | 0.4 U |
| Pyrene | 50 | **2** | **0.18 J** | 0.36 U | **2.7 J** | **0.093 J** | **0.21 J** | **0.77** | 0.38 U | 0.4 U | **0.13 J** | 0.4 U |
| Benz[a]anthracene | 0.224 | **1.4** | **0.1 J** | ***0.36 U*** | **1.8** | **0.055 J** | **0.08 J** | **0.5** | ***0.38 U*** | ***0.4 U*** | **0.078 J** | ***0.4 U*** |
| Benzo[a]pyrene | 0.061 | **1.3** | **0.1 J** | ***0.36 U*** | **1.3** | **0.051 J** | **0.053 J** | **0.46** | ***0.38 U*** | ***0.4 U*** | **0.07 J** | ***0.4 U*** |
| Benzo[b]fluoranthene | 1.1 | **0.87** | **0.084 J** | 0.36 U | **1** | **0.06 J** | **0.068 J** | **0.35 J** | 0.38 U | 0.4 UJ | **0.055 J** | 0.4 U |
| Benzo[k]fluoranthene | 1.1 | **0.99** | **0.1 J** | 0.36 U | **1.1** | **0.05 J** | 0.37 U | **0.33 J** | 0.38 U | 0.4 U | **0.068 J** | 0.4 U |
| Chrysene | 0.4 | **1.4** | **0.11 J** | 0.36 U | **1.7** | **0.06 J** | **0.089 J** | **0.52** | 0.38 U | 0.4 U | **0.08 J** | 0.4 U |
| Dibenz[a,h]anthracene | 0.014 | **0.37 J** | **0.029 J** | ***0.36 U*** | **0.39 J** | ***0.41 U*** | ***0.37 U*** | **0.15 J** | ***0.38 U*** | ***0.4 U*** | ***0.4 U*** | ***0.4 U*** |
| Indeno[1,2,3-cd]pyrene | 3.2 | **0.96** | **0.055 J** | 0.36 U | **0.93** | 0.41 U | 0.37 U | **0.36 J** | 0.38 U | 0.4 U | **0.041 J** | 0.4 U |
| Bis(2-ethylhexyl)phthalate | 50 | **0.077 J** | 0.37 U | 0.36 U | **0.16 J** | 0.41 U | **0.086 J** | **0.086 J** | **0.12 J** | **0.12 J** | **0.075 J** | 0.4 U |
| Butyl benzyl phthalate | 50 | 0.37 U | **0.066 J** | **0.019 J** | 0.73 U | 0.41 U | 0.37 U | 0.36 U | **0.016 J** | **0.036 J** | 0.4 U | 0.4 U |
| Carbazole | NE | **0.12 J** | 0.37 U | 0.36 U | **0.081 J** | 0.41 U | 0.37 U | **0.072 J** | 0.38 U | 0.4 U | 0.4 U | 0.4 U |
| Dibenzofuran | 6.2 | **0.24 J** | **0.027 J** | 0.36 U | **0.14 J** | 0.41 U | 0.37 U | **0.073 J** | 0.38 U | 0.4 U | 0.4 U | 0.4 U |
| Di-n-butyl phthalate | 8.1 | 0.37 U | 0.37 U | 0.36 U | 0.73 U | 0.41 U | 0.37 U | 0.36 U | 0.38 U | 0.4 U | 0.4 U | 0.4 U |
| Di-n-octyl phthalate | 50 | 0.37 U | **0.031 J** | 0.36 U | 0.73 U | 0.41 U | 0.37 U | 0.36 U | 0.38 U | 0.4 U | 0.4 U | 0.4 U |
| Methylphenol, 4- | 0.9 | 0.37 U | 0.37 U | 0.36 UJ | 0.73 U | 0.41 U | 0.37 U | 0.36 U | 0.38 U | 0.4 U | 0.4 U | 0.4 U |
| Nitroaniline,4- | NE | 0.73 U | 0.74 U | 0.73 U | 1.5 U | 0.81 U | 0.74 U | 0.72 U | 0.77 U | 0.8 U | 0.79 U | 0.81 U |
| Total SVOCs | 500 | **16.847** | **2.042** | **0.019** | **17.882** | **0.848** | **1.392** | **6.267** | **0.136** | **0.156** | **0.886** | ND |

**Table 10 (continued)**
**Subsurface Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/(ft. below grade)/Sample Date | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | KS-B-6 (2-5) 1/13/2004 | KS-B-6A (10-12) 1/21/2004 | KS-B-6A (24-26) 1/21/2004 | KS-B-7 (3-5) 1/13/2004 | KS-B-7 (16.5-18) 1/16/2004 | KS-B-7 (48-49) 1/16/2004 | KS-B-8 (3-5) 1/13/2004 | KS-B-8 (12-14) 1/14/2004 | KS-B-8 (30-32) 1/14/2004 | KS-B-9 (5-7) 1/30/2004 | KS-B-9 (14-15) 1/30/2004 |
| ***PCBs (mg/kg)*** | | | | | | | | | | | | |
| Aroclor 1248 | 10 | 0.019 U | 0.02 U | 0.019 U | 0.019 U | 0.021 U | 0.019 U | 0.019 U | 0.02 U | 0.021 U | 0.02 U | 0.021 U |
| Aroclor 1254 | 10 | 0.019 U | 0.02 U | 0.019 U | 0.019 U | 0.021 U | 0.019 U | 0.019 U | 0.02 U | 0.021 U | **0.011 J** | 0.021 U |
| Aroclor 1260 | 10 | 0.019 U | 0.02 U | 0.019 U | 0.019 U | 0.021 U | 0.019 U | 0.019 U | 0.02 U | 0.021 U | **0.0054 J** | 0.021 U |
| ***Inorganics (mg/Kg)*** | | | | | | | | | | | | |
| Cyanide, Total | NE | 0.0605 UJ | 0.062 UJ | 0.0584 UJ | 0.0595 UJ | R | 0.0614 UJ | 0.0603 UJ | 0.0964 UJ | 0.0631 UJ | 0.0641 UJ | 0.0653 UJ |
| Aluminum | SB | **13200** | **10700** | **3760** | **13900** | **9890** | **26200** | **12300** | **10800** | **9550** | **6740** | **4340** |
| Antimony | SB | 1.6 UJ | 1.7 UJ | 1.5 UJ | 1.6 UJ | 1.7 UJ | **1.7 J** | 1.5 UJ | 1.7 UJ | 1.7 UJ | 1.6 UJ | 1.6 UJ |
| Arsenic | 7.5 or SB | **3.6** | **2.2** | 1.3 U | **4.2** | **2.4** | **2.3** | **3.9** | **1.7** | **1.5** | **4** | **2.8** |
| Barium | 300 or SB | **157** | **135** | **40.4** | **130** | **78.3** | **487** | **113** | **125** | **80.5** | **60.7** | **49.9** |
| Beryllium | 0.16 or SB | ***0.66 U*** | ***0.73 U*** | ***0.64 U*** | ***0.68 U*** | ***0.71 U*** | **0.97** | ***0.64 U*** | ***0.73 U*** | ***0.72 U*** | ***0.72 U*** | ***0.72 U*** |
| Cadmium | 1 or SB | ***1.3 U*** | ***1.5 U*** | ***1.3 U*** | ***1.4 U*** | ***1.4 U*** | ***1.3 U*** | ***1.3 U*** | ***1.5 U*** | ***1.4 U*** | ***1.4 U*** | ***1.4 U*** |
| Calcium | SB | **5130 J** | **6560** | **61900** | **6640 J** | **4050** | **7310** | **19300 J** | **13200** | **23400** | **36500** | **15500** |
| Chromium | 10 or SB | **35.2** | **40.6** | **18.4** | **37.2** | **24.7** | **146** | **32.6** | **54.7** | **27.3** | **12.5** | **14.3** |
| Cobalt | 30 or SB | **10.7** | **12.4 J** | **5.6 J** | **12.1** | **7.4** | **43.7** | **10.6** | **8** | **8** | **4.9** | **6** |
| Copper | 25 or SB | **38.8 J** | **34** | **9.7** | **34.2 J** | **22.6** | **47.9** | **53.8 J** | **20.1** | **21** | **16.9** | **10.8** |
| Iron | 2000 or SB | **23900** | **20200** | **8080** | **26500** | **17200** | **57200** | **21700** | **19600** | **18900** | **10500** | **12300** |
| Lead | SB | **95.3** | **37.2** | **3.3** | **81.8 J** | **42.4** | **8.6** | **94.5** | **5.5** | **5.7** | **89.3** | **47.2** |
| Magnesium | SB | **7200** | **8330** | **35700** | **8850** | **5000** | **19700** | **10300** | **13500** | **15100** | **9770** | **9030** |
| Manganese | SB | **316 J** | **242 J** | **149 J** | **465 J** | **218 J** | **244 J** | **348 J** | **197 J** | **325 J** | **279** | **209** |
| Mercury | 0.1 | **0.3** | **0.082** | 0.047 U | **0.14** | 0.058 U | 0.056 U | **0.12** | 0.056 U | 0.058 U | 0.056 U | 0.055 U |
| Nickel | 13 or SB | **25.9 J** | **42.3** | **17.9** | **28.5 J** | **26.1** | **164** | **22.4 J** | **42.6** | **20.6** | 11 U | 18.8 U |
| Potassium | SB | **3150 J** | **3200 J** | **1170 J** | **2830 J** | **1630 J** | **10100** | **2730 J** | **4460** | **2850 J** | **1050 J** | **1160 J** |
| Sodium | SB | **224** | **264** | **253** | **184** | 188 U | **444** | **227** | **431** | **355** | **260 J** | **197 J** |
| Thallium | SB | 4 U | 4.4 U | 3.8 U | 4.1 U | 4.3 U | 3.8 U | 3.8 U | 4.4 U | 4.3 U | 2.9 U | 2.9 U |
| Vanadium | 150 or SB | **45.5** | **43** | **15.6** | **47.1** | **27.3** | **141** | **41.2** | **53.3** | **28.3** | **15.4** | **16.9** |
| Zinc | 20 or SB | **149 J** | **105** | **27.8** | **178 J** | **78** | **162** | **153 J** | **55** | **48** | **155** | **56.5** |

**Table 10 (continued)**
**Subsurface Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/(ft. below grade)/Sample Date | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | KS-MW-1 (3-4) 2/2/2004 | KS-MW1 (13-15) 2/5/2004 | KS-MW1 (22-24) 2/5/2004 | KS-MW1 (28-29) 2/5/2004 | KS-MW1 (31-32) 2/5/2004 | KS-MW-2 (12-14) 1/22/2004 | KS-MW-2 (16-18) 1/22/2004 |
| ***VOCs (mg/kg)*** | | | | | | | | |
| Benzene | 0.06 | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.007 U | **0.059** |
| Ethylbenzene | 5.5 | **0.005 J** | **0.0006 J** | **0.001 J** | **0.001 J** | **0.0008 J** | 0.007 U | **0.027 J** |
| Toluene | 1.5 | **0.001 J** | 0.006 U | **0.0009 J** | **0.001 J** | 0.006 U | 0.007 U | **0.11** |
| Xylene, Total | 1.2 | **0.016** | **0.003 J** | 0.03 U | **0.005 J** | **0.004 J** | 0.007 U | **0.27** |
| Acetone | 0.2 | 0.012 UJ | **0.009 J** | **0.006 J** | **0.012 J** | **0.009 J** | 0.013 UJ | 0.077 UJ |
| Butanone,2- (MEK) | 0.3 | 0.012 U | 0.011 U | 0.012 U | 0.012 U | 0.012 U | 0.013 U | 0.077 U |
| Carbon disulfide | 2.7 | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.007 UJ | **0.011 J** |
| Methylene chloride | 0.1 | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | **0.004 J** | 0.038 U |
| Styrene | NE | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.007 U | **0.056** |
| Total VOCs | 10 | **0.022** | **0.0126** | **0.0079** | **0.019** | **0.0138** | **0.004** | **0.533** |
| ***SVOCs (mg/kg)*** | | | | | | | | |
| Acenaphthene | 50 | **0.06 J** | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.091 J** | **2.2 J** |
| Acenaphthylene | 41 | **0.19 J** | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.032 J** | **0.48 J** |
| Anthracene | 50 | **0.18 J** | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.21 J** | **5.5** |
| Benzo[g,h,i]perylene | 50 | **0.5 J** | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.27 J** | **4.4 J** |
| Fluoranthene | 50 | **0.74 J** | 0.36 U | **0.045 J** | 0.39 U | 0.38 U | **1.1** | **23** |
| Fluorene | 50 | **0.063 J** | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.095 J** | **2.8 J** |
| Methylnaphthalene,2- | 36.4 | 0.75 U | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.045 J** | **3.7 J** |
| Naphthalene | 13 | 0.75 U | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.16 J** | **11** |
| Phenanthrene | 50 | **0.55 J** | 0.36 U | **0.037 J** | 0.39 U | 0.38 U | **0.73** | **20** |
| Pyrene | 50 | **0.74 J** | 0.36 UJ | **0.044 J** | 0.39 UJ | 0.38 U | **0.94** | **17** |
| Benz[a]anthracene | 0.224 | **0.38 J** | ***0.36 U*** | **0.025 J** | ***0.39 U*** | ***0.38 U*** | **0.49** | **9.6** |
| Benzo[a]pyrene | 0.061 | **0.38 J** | ***0.36 U*** | ***0.39 U*** | ***0.39 U*** | ***0.38 U*** | **0.46** | **8.4** |
| Benzo[b]fluoranthene | 1.1 | **0.32 J** | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.41 J** | **6.4** |
| Benzo[k]fluoranthene | 1.1 | **0.29 J** | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.41 J** | **7.9 J** |
| Chrysene | 0.4 | **0.43 J** | 0.36 U | **0.022 J** | 0.39 U | 0.38 U | **0.49** | **8.6** |
| Dibenz[a,h]anthracene | 0.014 | ***0.75 UJ*** | ***0.36 UJ*** | ***0.39 UJ*** | ***0.39 UJ*** | ***0.38 U*** | ***0.43 U*** | **2.4 J** |
| Indeno[1,2,3-cd]pyrene | 3.2 | **0.37 J** | 0.36 UJ | 0.39 UJ | 0.39 UJ | 0.38 U | **0.25 J** | **4.4 J** |
| Bis(2-ethylhexyl)phthalate | 50 | **0.11 J** | 0.36 U | **0.39** | **0.049 J** | **0.17 J** | 0.43 U | 4.9 U |
| Butyl benzyl phthalate | 50 | 0.75 UJ | 0.36 UJ | **0.044 J** | 0.39 UJ | 0.38 U | 0.43 U | 4.9 U |
| Carbazole | NE | **0.067 J** | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.08 J** | **2.4 J** |
| Dibenzofuran | 6.2 | 0.75 U | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.058 J** | **1.9 J** |
| Di-n-butyl phthalate | 8.1 | 0.75 U | 0.36 U | 0.39 U | 0.39 U | **0.018 J** | 0.43 U | 4.9 U |
| Di-n-octyl phthalate | 50 | 0.75 U | 0.36 U | 0.39 U | 0.39 U | 0.38 U | 0.43 U | 4.9 U |
| Methylphenol, 4- | 0.9 | 0.75 U | 0.36 U | 0.39 U | 0.39 U | 0.38 U | 0.43 U | ***4.9 U*** |
| Nitroaniline,4- | NE | **0.31 J** | 0.71 UJ | 0.77 UJ | 0.77 UJ | 0.77 U | 0.86 U | 9.7 U |
| Total SVOCs | 500 | **5.68** | ND | **0.607** | **0.049** | **0.188** | **6.321** | **142.08** |

**Table 10 (continued)**
**Subsurface Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/(ft. below grade)/Sample Date | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | KS-MW-1 (3-4) 2/2/2004 | KS-MW1 (13-15) 2/5/2004 | KS-MW1 (22-24) 2/5/2004 | KS-MW1 (28-29) 2/5/2004 | KS-MW1 (31-32) 2/5/2004 | KS-MW-2 (12-14) 1/22/2004 | KS-MW-2 (16-18) 1/22/2004 |
| ***PCBs (mg/kg)*** | | | | | | | | |
| Aroclor 1248 | 10 | 0.019 U | 0.019 U | 0.02 U | 0.02 U | 0.02 U | 0.044 U | 0.025 U |
| Aroclor 1254 | 10 | 0.019 U | 0.019 U | 0.02 U | 0.02 U | 0.02 U | **0.013 J** | 0.025 U |
| Aroclor 1260 | 10 | **0.014 J** | 0.019 U | 0.02 U | 0.02 U | 0.02 U | 0.044 U | **0.015 J** |
| ***Inorganics (mg/Kg)*** | | | | | | | | |
| Cyanide, Total | NE | 0.0611 UJ | 0.0574 UJ | 0.0617 UJ | 0.0632 UJ | 0.0624 UJ | **0.327 J** | **30.3 J** |
| Aluminum | SB | **10700** | **8160** | **6450** | **4730** | **12300** | **6330** | **16800** |
| Antimony | SB | 1.6 UJ | 1.4 UJ | 1.6 UJ | 1.7 UJ | 1.7 UJ | 1.8 UJ | 2 UJ |
| Arsenic | 7.5 or SB | **4.7** | **1.7** | 1.7 U | 1.8 U | 1.8 U | **3.6** | **7.7** |
| Barium | 300 or SB | **93.1** | **48.4** | **58.3** | **58.4** | **130** | **286** | **246** |
| Beryllium | 0.16 or SB | ***0.69 U*** | ***0.63 U*** | ***0.71 U*** | ***0.75 U*** | ***0.74 U*** | ***0.77 U*** | ***0.84 U*** |
| Cadmium | 1 or SB | ***1.4 U*** | ***1.3 U*** | ***1.4 U*** | ***1.5 U*** | ***1.5 U*** | ***1.5 U*** | **1.7 J** |
| Calcium | SB | **13200** | **1110** | **1630** | **2150** | **75000** | **38300** | **122000** |
| Chromium | 10 or SB | **28.7** | **10.5** | **22.4** | **16.3** | **46.3** | **14.9** | **24** |
| Cobalt | 30 or SB | **9** | **6.6** | **8.7** | **4.5** | **8** | **5.8** | **7.4** |
| Copper | 25 or SB | **52.3** | **14.5** | **30.7** | **17.4** | **19.7** | **34.1** | **50.1** |
| Iron | 2000 or SB | **20600** | **15200** | **10400** | **10900** | **17100** | **13800** | **18500** |
| Lead | SB | **90.4** | **6.5** | **14.3** | **3.1** | **3.8 J** | **267** | **445** |
| Magnesium | SB | **6350** | **3360** | **3640** | **3450** | **47800** | **12500** | **18400** |
| Manganese | SB | **343** | **506** | **62.4** | **119** | **304** | **193 J** | **407 J** |
| Mercury | 0.1 | **0.28** | 0.053 U | 0.048 U | 0.05 U | 0.058 U | 0.061 U | **0.17** |
| Nickel | 13 or SB | **23.2** | **15.2** | **39.5** | **27.2** | **33.3** | **15.1** | **19.8** |
| Potassium | SB | **1890 J** | **898 J** | **1040 J** | **1390 J** | **4730 J** | **1950 J** | **1870 J** |
| Sodium | SB | **311 J** | 113 UJ | **315 J** | **285 J** | **402 J** | **280** | **603** |
| Thallium | SB | 2.7 U | 2.5 U | 2.8 U | 3 U | 2.9 U | 4.6 U | 5 U |
| Vanadium | 150 or SB | **36.6** | **14.7** | **22.6** | **19.2** | **41** | **19** | **41** |
| Zinc | 20 or SB | **122** | **35.1** | **50.6** | **39.6** | **56** | **308** | **449** |

**Table 10 (continued)**
**Subsurface Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/(ft. below grade)/Sample Date | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | KS-MW-3 (4-5) 1/12/2004 | KS-MW-3 (7-9) 2/2/2004 | KS-MW-3 (15-17) 2/2/2004 | KS-MW-4 (0.5-1) 1/13/2004 | KS-MW-4 (10-12) 1/23/2004 | KS-MW-4 (32-33) 1/23/2004 | KS-MW-5 (2-5) 1/13/2004 | KS-MW-5 (16.5-18) 1/20/2004 | KS-MW-5 (34-36) 1/20/2004 |
| ***VOCs (mg/kg)*** | | | | | | | | | | |
| Benzene | 0.06 | 0.03 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Ethylbenzene | 5.5 | 0.03 U | **0.001 J** | **0.002 J** | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Toluene | 1.5 | 0.03 U | **0.0008 J** | **0.001 J** | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Xylene, Total | 1.2 | 0.03 U | **0.004 J** | **0.006 J** | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Acetone | 0.2 | **0.05 J** | **0.009 J** | **0.021 J** | 0.011 UJ | **0.008 J** | 0.011 UJ | 0.011 UJ | 0.013 UJ | 0.011 UJ |
| Butanone,2- (MEK) | 0.3 | 0.059 U | 0.012 U | **0.008 J** | 0.011 U | 0.012 U | 0.011 U | 0.011 U | 0.013 U | 0.011 U |
| Carbon disulfide | 2.7 | 0.03 U | 0.006 U | **0.0005 J** | 0.006 U | 0.006 UJ | 0.006 UJ | 0.006 U | **0.0006 J** | 0.006 UJ |
| Methylene chloride | 0.1 | 0.03 U | 0.006 U | 0.006 U | 0.006 U | **0.005 J** | **0.004 J** | 0.006 U | 0.006 U | **0.002 J** |
| Styrene | NE | 0.03 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Total VOCs | 10 | **0.05** | **0.0148** | **0.0385** | ND | **0.013** | **0.004** | ND | **0.0006** | **0.002** |
| ***SVOCs (mg/kg)*** | | | | | | | | | | |
| Acenaphthene | 50 | **12 J** | **0.047 J** | 0.39 U | **0.05 J** | **0.041 J** | 0.36 U | **0.027 J** | 0.41 U | 0.37 U |
| Acenaphthylene | 41 | **1.4 J** | **0.063 J** | 0.39 U | **0.35 J** | **0.066 J** | 0.36 U | **0.77** | 0.41 U | 0.37 U |
| Anthracene | 50 | **26** | **0.14 J** | **0.015 J** | **0.42** | **0.081 J** | 0.36 U | **0.5** | 0.41 U | 0.37 U |
| Benzo[g,h,i]perylene | 50 | **14 J** | **0.21 J** | **0.039 J** | **0.87** | **0.12 J** | 0.36 U | **1.1** | 0.41 U | 0.37 U |
| Fluoranthene | 50 | **75** | **0.38** | **0.054 J** | **1.4** | **0.25 J** | 0.36 U | **1.1** | 0.41 U | 0.37 U |
| Fluorene | 50 | **18 J** | **0.055 J** | 0.39 U | **0.14 J** | **0.063 J** | 0.36 U | **0.036 J** | 0.41 U | 0.37 U |
| Methylnaphthalene,2- | 36.4 | 19 U | 0.38 U | 0.39 U | **0.07 J** | **0.065 J** | 0.36 U | 0.36 U | 0.41 U | 0.37 U |
| Naphthalene | 13 | **1.9 J** | 0.38 U | 0.39 U | **0.13 J** | **0.067 J** | 0.36 U | **0.038 J** | 0.41 U | 0.37 U |
| Phenanthrene | 50 | **82** | **0.35 J** | **0.035 J** | **0.85** | **0.18 J** | 0.36 U | **0.42** | 0.41 U | 0.37 U |
| Pyrene | 50 | **68** | **0.56** | **0.081 J** | **1.3** | **0.32 J** | 0.36 U | **1** | 0.41 U | 0.37 U |
| Benz[a]anthracene | 0.224 | **27** | **0.25 J** | **0.05 J** | **0.93** | **0.15 J** | ***0.36 U*** | **0.9** | ***0.41 U*** | ***0.37 U*** |
| Benzo[a]pyrene | 0.061 | **17 J** | **0.22 J** | **0.045 J** | **0.87** | **0.16 J** | ***0.36 U*** | **0.93** | ***0.41 U*** | ***0.37 U*** |
| Benzo[b]fluoranthene | 1.1 | **12 J** | **0.16 J** | 0.39 U | **0.64** | **0.11 J** | 0.36 U | **0.76** | 0.41 U | 0.37 U |
| Benzo[k]fluoranthene | 1.1 | **15 J** | **0.18 J** | 0.39 U | **0.73** | **0.15 J** | 0.36 U | **0.71** | 0.41 UJ | 0.37 U |
| Chrysene | 0.4 | **27** | **0.25 J** | **0.058 J** | **0.9** | **0.17 J** | 0.36 U | **0.95** | ***0.41 U*** | 0.37 U |
| Dibenz[a,h]anthracene | 0.014 | **4.9 J** | **0.072 J** | ***0.39 U*** | **0.29 J** | **0.038 J** | ***0.36 U*** | **0.38** | ***0.41 U*** | ***0.37 U*** |
| Indeno[1,2,3-cd]pyrene | 3.2 | **12 J** | **0.17 J** | 0.39 U | **0.75** | **0.097 J** | 0.36 U | **0.98** | 0.41 U | 0.37 U |
| Bis(2-ethylhexyl)phthalate | 50 | 19 U | **0.15 J** | **0.15 J** | **0.059 J** | 0.4 U | 0.36 U | **0.097 J** | **0.056 J** | 0.37 U |
| Butyl benzyl phthalate | 50 | 19 U | **0.036 J** | **0.039 J** | 0.35 U | 0.4 U | **0.015 J** | 0.36 U | 0.41 U | **0.022 J** |
| Carbazole | NE | **13 J** | **0.044 J** | 0.39 U | **0.072 J** | 0.4 U | 0.36 U | **0.089 J** | 0.41 U | 0.37 U |
| Dibenzofuran | 6.2 | **8.3 J** | **0.024 J** | 0.39 U | **0.12 J** | 0.4 U | 0.36 U | **0.023 J** | 0.41 U | 0.37 U |
| Di-n-butyl phthalate | 8.1 | ***19 U*** | **0.029 J** | **0.024 J** | 0.35 U | 0.4 U | 0.36 U | 0.36 U | 0.41 U | 0.37 U |
| Di-n-octyl phthalate | 50 | 19 U | 0.38 U | 0.39 U | 0.35 U | 0.4 U | 0.36 U | 0.36 U | 0.41 U | 0.37 U |
| Methylphenol, 4- | 0.9 | ***19 U*** | 0.38 U | 0.39 U | 0.35 U | 0.4 UJ | 0.36 UJ | 0.36 U | 0.41 U | 0.37 UJ |
| Nitroaniline,4- | NE | 38 U | 0.76 U | 0.77 U | 0.7 U | 0.79 U | 0.72 U | 0.73 U | 0.81 U | 0.74 U |
| Total SVOCs | 500 | **434.5** | **3.39** | **0.59** | **10.941** | **2.128** | **0.015** | **10.81** | **0.056** | **0.022** |

**Table 10 (continued)**
**Subsurface Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/(ft. below grade)/Sample Date | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | KS-MW-3 (4-5) 1/12/2004 | KS-MW-3 (7-9) 2/2/2004 | KS-MW-3 (15-17) 2/2/2004 | KS-MW-4 (0.5-1) 1/13/2004 | KS-MW-4 (10-12) 1/23/2004 | KS-MW-4 (32-33) 1/23/2004 | KS-MW-5 (2-5) 1/13/2004 | KS-MW-5 (16.5-18) 1/20/2004 | KS-MW-5 (34-36) 1/20/2004 |
| ***PCBs (mg/kg)*** | | | | | | | | | | |
| Aroclor 1248 | 10 | 0.02 U | **0.011 J** | 0.02 U | 0.018 U | 0.02 U | 0.019 U | 0.018 U | 0.021 U | 0.019 U |
| Aroclor 1254 | 10 | 0.02 U | 0.02 U | 0.02 U | 0.018 U | 0.02 U | 0.019 U | 0.018 U | 0.021 U | 0.019 U |
| Aroclor 1260 | 10 | 0.02 U | 0.02 U | 0.02 U | 0.018 U | 0.02 U | 0.019 U | 0.018 U | 0.021 U | 0.019 U |
| ***Inorganics (mg/Kg)*** | | | | | | | | | | |
| Cyanide, Total | NE | 0.0634 UJ | **0.12 UJ** | 0.0638 UJ | 0.0595 UJ | 0.063 UJ | 0.0604 UJ | 0.0581 UJ | 0.0655 UJ | 0.0593 UJ |
| Aluminum | SB | **9680** | **6370** | **16300** | **8120** | **10900** | **4660** | **10500** | **6050** | **22200** |
| Antimony | SB | 1.6 UJ | 1.6 UJ | 1.7 UJ | 1.5 UJ | 1.6 UJ | 1.5 UJ | 1.5 UJ | 1.8 UJ | 1.5 UJ |
| Arsenic | 7.5 or SB | **3.7** | 1.7 U | **3.3** | **3.5** | **1.9** | 1.2 U | **3.1** | 1.5 U | 1.3 U |
| Barium | 300 or SB | **98.6** | **51.6** | **155** | **95.5** | **81.6** | **65.2** | **127** | **42** | **471** |
| Beryllium | 0.16 or SB | ***0.68 U*** | ***0.7 U*** | ***0.72 U*** | ***0.64 U*** | ***0.65 U*** | ***0.62 U*** | ***0.62 U*** | ***0.77 U*** | **0.75** |
| Cadmium | 1 or SB | ***1.4 U*** | ***1.4 U*** | ***1.4 U*** | ***1.3 U*** | ***1.3 U*** | ***1.2 U*** | ***1.2 U*** | ***1.5 U*** | ***1.3 U*** |
| Calcium | SB | **14900 J** | **19700** | **6620** | **27200 J** | **17800** | **67800** | **12800 J** | **885** | **3780** |
| Chromium | 10 or SB | **32.9** | **21.1** | **68.5** | **24.4** | **42.5** | **28.9** | **30.7** | **13.8** | **160** |
| Cobalt | 30 or SB | **7.6** | **5.4** | **16.5** | **9.3** | **8** | **5.7** | **7.8** | **5.1** | **35.9 J** |
| Copper | 25 or SB | **26.7 J** | **12.2** | **34.1** | **71 J** | **18.3** | **14.3** | **42.4 J** | **9.3** | **110** |
| Iron | 2000 or SB | **18200** | **12100** | **30700** | **17000** | **18500** | **7810** | **17700** | **12400** | **37500** |
| Lead | SB | **209** | **19.2** | **302** | **91.4** | **58.1** | **1.5** | **107** | **6.2** | **9.3** |
| Magnesium | SB | **12400** | **14100** | **12300** | **17500** | **16500** | **46000** | **10600** | **3080** | **19100** |
| Manganese | SB | **256 J** | **134** | **323** | **280 J** | **181 J** | **85.4 J** | **309 J** | **386 J** | **64 J** |
| Mercury | 0.1 | **0.058** | 0.051 U | 0.057 U | **0.17** | **0.091** | 0.053 U | **0.077** | 0.063 U | 0.048 U |
| Nickel | 13 or SB | **22.4 J** | **18.2** | **75** | **27.8 J** | **29.8** | **33.7** | **24.8 J** | **25.5** | **229** |
| Potassium | SB | **4030 J** | **1640 J** | **3780 J** | **1970 J** | **3910 J** | **2650 J** | **2090 J** | **1390 J** | **12800 J** |
| Sodium | SB | **169** | 155 UJ | **270 J** | **261** | **305** | **238** | **249** | 117 U | **651** |
| Thallium | SB | 4.1 U | 2.8 U | 2.9 U | 3.9 U | 3.9 U | 3.7 U | 3.7 U | 4.6 U | 3.8 U |
| Vanadium | 150 or SB | **38** | **20.5** | **67.6** | **31.3** | **35.1** | **30.1** | **33.3** | **16.7** | **190** |
| Zinc | 20 or SB | **215 J** | **45.7** | **95.8** | **201 J** | **59.4** | **41.6** | **161 J** | **31.4** | **178** |

**Notes:**

NYSDEC - New York State Department of Environmental Conservation
TAGM - Technical and Administrative Guidance Memorandum
mg/kg is milligrams per kilogram
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
PCBs - Polychlorinated Biphenyls
J - estimated value
U - not detected to the reporting limit shown (for organic analyses)
and the method detection limit shown (for inorganic analyses)
UJ - not detected to the limit shown, the limit shown is estimated
R - rejected value
ND - Total concentration is listed as ND because no compounds were detected.
NE - Cleanup objective not established
Blue - Compound Detected in sample
Red - Concentration exceeds NYSDEC-recommended cleanup objective
SB - Site Background

Bold and italicized results indicate that the limit shown for a non-detect result was greater than the applicable soil cleanup objective.

## Table 11
## Background Concentrations of PAH and Metals

| Compounds | Background Concentration Range (mg/kg) | Arithmetic Means (mg/kg) |
|---|---|---|
| **PAH [1]** | | |
| 2-Methylnaphthalene | 0.017 - 0.64 | 0.151 |
| Acenaphthene | 0.024 - 0.34 | 0.201 |
| Acenaphthylene | 0.018 - 1.10 | 0.173 |
| Anthracene | 0.029 - 5.70 | 0.351 |
| Benz(a)anthracene | 0.048 - 15.00 | 1.319 |
| Benzo(a)pyrene | 0.040 - 13.00 | 1.323 |
| Benzo(b)fluoranthene | 0.049 - 12.00 | 1.435 |
| Benzo(g,h,i)perylene | 0.200 - 5.90 | 0.891 |
| Benzo(k)fluoranthene | 0.043 - 25.00 | 1.681 |
| Chrysene | 0.038 - 21.00 | 1.841 |
| Dibenz(a,h)anthracene | 0.020 - 2.90 | 0.388 |
| Fluoranthene | 0.110 - 39.00 | 3.047 |
| Fluorene | 0.022 - 3.30 | 0.214 |
| Indeno(1,2,3-c,d)pyrene | 0.093 - 6.00 | 0.987 |
| Naphthalene | 0.018 - 0.66 | 0.125 |
| Phenanthrene | 0.071 - 36.00 | 1.838 |
| Pyrene | 0.082 - 11.00 | 2.398 |
| Total PAH | 2.292 - 166.65 | 18.361 |
| **Metals[2]** | | |
| Aluminum | 700 - > 10,000 | 72,000 |
| Antimony | <1 - 8.8 | 0.66 |
| Arsenic | <0.1 - 97 | 7.2 |
| Barium | 10 - 5,000 | 580 |
| Beryllium | <1 - 15 | 0.92 |
| Cadmium[3] | 0.01 - 22 | - |
| Calcium | 100 - 320,000 | 24,000 |
| Chromium | 1 - 2,000 | 54 |
| Cobalt | <3 - 70 | 9.1 |
| Copper | <1 - 700 | 25 |
| Iron | 100 - 100,000 | 26,000 |
| Lead | <10 - 700 | 19 |
| Magnesium | 50 - >100,000 | 9,000 |
| Manganese | <2 - 7,000 | 550 |
| Mercury | 0.01 - 4.6 | 0.09 |
| Nickel | <5 - 700 | 19 |
| Potassium | 50 - 63,000 | 15,000 |
| Selenium | <0.1 - 4.3 | 0.39 |
| Silver[3] | 0.01 - 5 | 0.05 |
| Sodium | <500 - 100,000 | 12,000 |
| Thallium | 70 - 20,000 | 2,900 |
| Vanadium | <7 - 500 | 80 |
| Zinc | <5 - 2,900 | 60 |

**Note:**

Source: [1]Bradley, B.H., et al. 1994. "Background Levels of Polycyclic Aromatic

[2]. H.T. Shacklette and J.G. Boerngen, USGS Professional Paper 1270, 1984

[3]. USEPA, *Metals in Soils: A Brief Summary*, 1980

- Not presented in source

**Table 12**
**Surface-Soil Analytical Results Summary**
**Benzo(a)pyrene Equivalents**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | B(a)p equivalents | KS-SS-1 | | KS-SS-2 | | KS-SS-3 | | KS-SS-4 | | KS-SS-5 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Measured | B(a)p equivalents | Measured | B(a)p equivalents | Measured | B(a)p equivalents | Measured | B(a)p equivalents | Measured | B(a)p equivalents |
| ***SVOCs (mg/kg)*** | | | | | | | | | | | | |
| Benz[a]anthracene | 0.224 | 0.1 | **0.38** | **0.038** | **0.38** | **0.038** | **0.22** | **0.022** | **0.18** | **0.018** | **0.13** | **0.013** |
| Benzo[a]pyrene | 0.061 | 1 | **0.57** | **0.57** | **0.33** | **0.33** | **0.21** | **0.21** | **0.19** | **0.19** | **0.12** | **0.12** |
| Benzo[b]fluoranthene | 1.1 | 0.1 | **0.75** | **0.075** | **0.24** | **0.024** | **0.17** | **0.017** | **0.19** | **0.019** | **0.12** | **0.012** |
| Benzo[k]fluoranthene | 1.1 | 0.01 | **0.73** | **0.0073** | **0.29** | **0.0029** | **0.2** | **0.002** | **0.17** | **0.0017** | 0.92 | **0.0092** |
| Chrysene | 0.4 | 0.001 | **0.84** | **0.00084** | **0.42** | **0.00042** | **0.27** | **0.00027** | **0.24** | **0.00024** | **0.16** | **0.00016** |
| Dibenz[a,h]anthracene | 0.014 | 1 | **0.24** | **0.24** | **0.12** | **0.12** | **0.079** | **0.079** | **0.068** | **0.068** | ***0.92*** | ***ND*** |
| Indeno[1,2,3-cd]pyrene | 3.2 | 0.1 | **0.82** | **0.082** | **0.29** | **0.029** | **0.2** | **0.02** | **0.19** | **0.019** | **0.11** | **0.011** |
| Total SVOCs | 500 | | **9.614** | **1.01314** | **5.26** | **0.54432** | **2.853** | **0.35027** | **2.351** | **0.31594** | **1.424** | **0.16536** |

**Table 12 (cont.)**
**Surface-Soil Analytical Results Summary**
**Benzo(a)pyrene Equivalents**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | B(a)p equivalents | KS-SS-6 | | KS-SS-7 | | KS-SS-8 | | KS-SS-9 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Measured | B(a)p equivalents | Measured | B(a)p equivalents | Measured | B(a)p equivalents | Measured | B(a)p equivalents |
| ***SVOCs (mg/kg)*** | | | | | | | | | | |
| Benz[a]anthracene | 0.224 | 0.1 | **0.2** | **0.02** | **0.22** | **0.022** | **0.18** | **0.018** | **0.17** | **0.017** |
| Benzo[a]pyrene | 0.061 | 1 | **0.19** | **0.19** | **0.2** | **0.2** | **0.18** | **0.18** | **0.16** | **0.16** |
| Benzo[b]fluoranthene | 1.1 | 0.1 | **0.16** | **0.016** | **0.16** | **0.016** | **0.15** | **0.015** | **0.14** | **0.014** |
| Benzo[k]fluoranthene | 1.1 | 0.01 | **0.15** | **0.0015** | **0.16** | **0.0016** | **0.14** | **0.0014** | **0.13** | **0.0013** |
| Chrysene | 0.4 | 0.001 | **0.23** | **0.00023** | **0.24** | **0.00024** | **0.2** | **0.0002** | **0.19** | **0.00019** |
| Dibenz[a,h]anthracene | 0.014 | 1 | **0.061** | **0.061** | **0.054** | **0.054** | **0.051** | **0.051** | ***0.81*** | ***ND*** |
| Indeno[1,2,3-cd]pyrene | 3.2 | 0.1 | **0.15** | **0.015** | **0.14** | **0.014** | **0.13** | **0.013** | **0.11** | **0.011** |
| Total SVOCs | 500 | | **2.24** | **0.30373** | **2.427** | **0.30784** | **1.995** | **0.2786** | **1.925** | **0.20349** |

**Notes:**

NYSDEC - New York State Department of Environmental Conservation
TAGM - Technical and Administrative Guidance Memorandum
mg/kg is milligrams per kilogram
J - estimated value
U - not detected to the reporting limit shown (for organic analyses)
UJ - not detected to the limit shown, the limit shown is estimated
Blue - Compound Detected in sample
Red - Concentration exceeds NYSDEC-recommended cleanup objective
SB - Site Background

**Table 13**
**Groundwater Analytical Results Summary**
**Comparison to NYSDEC Ambient Water Quality Standards**
**Kingsbridge Station**
**Bronx, New York**

| **Chemical Name** | NYSDEC Ambient Water Quality Standards | Sample Location/Date Collected | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | MW-1 2/24/2004 | MW-2 2/25/2004 | MW-3 2/25/2004 | MW-4D 2/25/2004 | MW-4S 2/25/2004 | MW-5D 2/25/2004 | MW-5S 2/25/2004 |
| ***VOCs (ug/L)*** | | | | | | | | |
| Ethylbenzene | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Toluene | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Xylene, Total | NE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Benzene | 1 | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** |
| Styrene | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dichloropropene, cis-1,3 | NE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dichloropropene, trans-1,3 | NE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dichloroethane,1,2- | 0.6 | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** |
| Vinyl Acetate | NE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Methyl-2-pentanone,4- | NE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Chlorobenzene | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dibromochloromethane | 50* | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Tetrachloroethene | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dichloroethene, cis-1,2- | NE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Trans-1,2-Dichloroethene | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Carbon tetrachloride | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Hexanone,2- | NE | 10 UJ | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Acetone | 50* | 10 U | 10 U | 10 UJ | 10 UJ | 10 UJ | 10 UJ | 10 UJ |
| Chloroform | 7 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Trichloroethane,1,1,1- | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Bromomethane | 5 | 5 UJ | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Chloromethane | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Chloroethane | 5 | 5 U | 5 UJ | 5 UJ | 5 UJ | 5 UJ | 5 UJ | 5 UJ |
| Vinyl chloride | 2 | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** |
| Methylene chloride | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Carbon disulfide | NE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Bromoform | NE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Bromodichloromethane | 50* | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dichloroethane,1,1- | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dichloroethene,1,1- | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dichloropropane,1,2- | NE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Butanone,2- (MEK) | 50* | 10 UJ | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Trichloroethane,1,1,2- | NE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Trichloroethene | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Tetrachloroethane,1,1,2,2- | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| ***SVOCs (ug/L)*** | | | | | | | | |
| Anthracene | 50* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Pyrene | 50* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Benzo[g,h,i]perylene | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Fluoranthene | 50* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Acenaphthylene | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Acenaphthene | 20* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Phenanthrene | 50* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Fluorene | 50* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Naphthalene | 10* | ***11 U*** | 10 U | ***11 U*** | 10 U | 10 U | 10 U | 10 U |
| Methylnaphthalene,2- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Indeno[1,2,3-cd]pyrene | 0.002* | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Benzo[b]fluoranthene | 0.002* | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Benzo[k]fluoranthene | 0.002* | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Chrysene | 0.002* | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |

**Table 13**
**Groundwater Analytical Results Summary**
**Comparison to NYSDEC Ambient Water Quality Standards**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Ambient Water Quality Standards | Sample Location/Date Collected | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | MW-1 2/24/2004 | MW-2 2/25/2004 | MW-3 2/25/2004 | MW-4D 2/25/2004 | MW-4S 2/25/2004 | MW-5D 2/25/2004 | MW-5S 2/25/2004 |
| ***SVOCs (ug/L) - continued*** | | | | | | | | |
| Benzo[a]pyrene | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Dibenz[a,h]anthracene | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Benz[a]anthracene | 0.002* | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Nitroaniline,4- | NE | 21 U | 20 U | 21 U | 20 U | 20 U | 20 U | 20 U |
| Nitrophenol,4- | NE | 53 UJ | 50 UJ | 53 UJ | 50 UJ | 50 UJ | 50 UJ | 50 UJ |
| Benzyl alcohol | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Bromophenyl phenyl ether,4- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Dimethylphenol, 2,4- | 50* | 11 UJ | 10 UJ | 11 UJ | 10 UJ | 10 UJ | 10 UJ | 10 UJ |
| Methylphenol, 4- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Dichlorobenzene,1,4- | 3 | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Chloroaniline,4- | 5 | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Bis(chloroisopropyl)ether | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Phenol | NE | 11 UJ | 10 UJ | 11 UJ | 10 UJ | 10 UJ | 10 UJ | 10 UJ |
| Bis(2-chloroethyl)ether | 1 | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Bis(2-chloroethoxy)methane | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Bis(2-ethylhexyl)phthalate | 5 | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Di-n-octyl phthalate | 50* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Hexachlorobenzene | 0.04 | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Trichlorobenzene,1,2,4- | 5 | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Dichlorophenol,2,4- | 5 | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Dinitrotoluene,2,4- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Dimethyl phthalate | 50* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Dibenzofuran | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Dinitrophenol,2,4- | 10* | ***53 UJ*** | ***50 UJ*** | ***53 UJ*** | ***50 UJ*** | ***50 UJ*** | ***50 UJ*** | ***50 UJ*** |
| Dinitro-2-methylphenol,4,6- | NE | 53 U | 50 U | 53 U | 50 U | 50 U | 50 U | 50 U |
| Dichlorobenzene,1,3- | 3 | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Chloro-3-methylphenol,4- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Dinitrotoluene,2,6- | 5 | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| N-Nitrosodi-n-propylamine | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Benzoic acid | NE | 53 UJ | 50 UJ | 53 UJ | 50 UJ | 50 UJ | 50 UJ | 50 UJ |
| Hexachloroethane | NE | 11 UJ | 10 UJ | 11 UJ | 10 UJ | 10 UJ | 10 UJ | 10 UJ |
| Chlorophenyl phenyl ether,4- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Hexachlorocyclopentadiene | NE | 11 UJ | 10 UJ | 11 UJ | 10 UJ | 10 UJ | 10 UJ | 10 UJ |
| Isophorone | 50* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Diethyl phthalate | 50* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Di-n-butyl phthalate | 50 | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Butyl benzyl phthalate | 50* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| N-Nitrosodiphenylamine | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Carbazole | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Hexachlorobutadiene | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Pentachlorophenol | NE | 53 U | 50 U | 53 U | 50 U | 50 U | 50 U | 50 U |
| Trichlorophenol,2,4,6- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Nitroaniline,2- | 5 | ***53 U*** | ***50 U*** | ***53 U*** | ***50 U*** | ***50 U*** | ***50 U*** | ***50 U*** |
| Nitrophenol,2- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Chloronaphthalene,2- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Dichlorobenzidine,3,3- | NE | 21 U | 20 U | 21 U | 20 U | 20 U | 20 U | 20 U |
| Methylphenol,2- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Dichlorobenzene,1,2- | 3 | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Chlorophenol,2- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Trichlorophenol,2,4,5- | NE | 53 U | 50 U | 53 U | 50 U | 50 U | 50 U | 50 U |
| Nitrobenzene | 0.4 | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Nitroaniline,3- | 5 | ***53 U*** | ***50 U*** | ***53 U*** | ***50 U*** | ***50 U*** | ***50 U*** | ***50 U*** |

**Table 13**
**Groundwater Analytical Results Summary**
**Comparison to NYSDEC Ambient Water Quality Standards**
**Kingsbridge Station**
**Bronx, New York**

| **Chemical Name** | NYSDEC Ambient Water Quality Standards | Sample Location/Date Collected | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | MW-1 2/24/2004 | MW-2 2/25/2004 | MW-3 2/25/2004 | MW-4D 2/25/2004 | MW-4S 2/25/2004 | MW-5D 2/25/2004 | MW-5S 2/25/2004 |
| ***PCBs (ug/L)*** | | | | | | | | |
| Aroclor 1260 | NE | 0.5 U | **0.74 J** | 0.5 U | 0.5 U | 0.5 U | **0.18 J** | 0.5 U |
| Aroclor 1254 | NE | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Aroclor 1221 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Aroclor 1232 | NE | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Aroclor 1248 | NE | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Aroclor 1016 | NE | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Aroclor 1242 | NE | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| ***Inorganics (ug/L)*** | | | | | | | | |
| Aluminum | NE | **1380** | 92 U | **190** | **191** | **103** | **1920** | 92 U |
| Iron | 300 | **3160** | 54 U | **2270** | **913** | **10600** | **10300** | 54 U |
| Lead | 25 | **3.8** | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U |
| Magnesium | 35000* | **117000** | **18700** | **74300** | **33100** | **68900** | **32900** | **62400** |
| Manganese | 300 | **244** | **39.9** | **1390** | **378** | **3290** | **1980** | **1650** |
| Mercury | 0.7 | 0.18 U | 0.18 U | 0.18 U | 0.18 U | 0.18 U | 0.18 U | 0.18 U |
| Nickel | 100 | **22.3** | 1.9 U | **12.6** | 1.9 U | **2** | **24.7** | **45.7** |
| Potassium | NE | **21700** | **23900** | **21900** | **13300 J** | **23700** | **20100** | **18100** |
| Silver | 50 | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.1 U |
| Sodium | 20000 | **449000** | **102000** | **61100** | **26100** | **132000** | **60300** | **130000** |
| Thallium | 0.5* | ***10 UJ*** | ***10 U*** | ***10 UJ*** | ***10 U*** | ***10 UJ*** | ***10 U*** | ***10 U*** |
| Antimony | 3 | ***5.4 U*** | ***5.4 U*** | ***5.4 U*** | ***5.4 U*** | ***5.4 U*** | ***5.4 U*** | ***5.4 U*** |
| Arsenic | 25 | 3.9 U | 3.9 U | 3.9 U | 3.9 U | 3.9 U | 3.9 U | 3.9 U |
| Barium | 1000 | **279** | **54.7** | **70.9** | **57.5** | **379** | **113** | **76** |
| Beryllium | 3* | 0.54 U | 0.54 U | 0.54 U | 0.54 U | 0.54 U | 0.54 U | 0.54 U |
| Cadmium | 5 | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.1 U | **1.1** |
| Chromium | 50 | **7.5 J** | 1.3 U | 1.3 U | 1.3 U | 1.3 U | **13.4** | 1.3 U |
| Cobalt | NE | **6.2** | 1.8 U | 1.8 U | 1.8 U | 1.8 U | **3.3** | **8.4** |
| Copper | 200 | **9** | 4.3 U | 4.3 U | 4.3 U | 4.3 U | 4.3 U | 4.3 U |
| Vanadium | NE | **4.7** | **3.4** | 1.5 U | 1.5 U | 1.5 U | **10.9** | 1.5 U |
| Zinc | 2000* | **16.7** | 11 U | 11 U | 11 U | 11 U | **39.6** | **11.5** |
| Calcium | NE | **301000 J** | **132000 J** | **228000 J** | **113000 J** | **205000 J** | **128000 J** | **178000 J** |
| Selenium | 10 | **6.1** | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Cyanide, Total | 200 | **49.5** | **43.7** | 7 U | 7 U | 7 U | 7 U | 7 U |
| Cyanide, Available | NE | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |

Notes:
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
NE - Not Established
* - guidance value
J - estimated value
U - not detected to reporting limit shown (organic analysis), and the method detection limit shown (inorganic analysis)
UJ - not detected, limit shown is estimated
ug/L is micrograms per liter
Blue - Compound Detected in sample
Red - Exceeds Water Quality Standards

Bold and italicized results are reported as non-detect - pql is above the applicable guidance value.

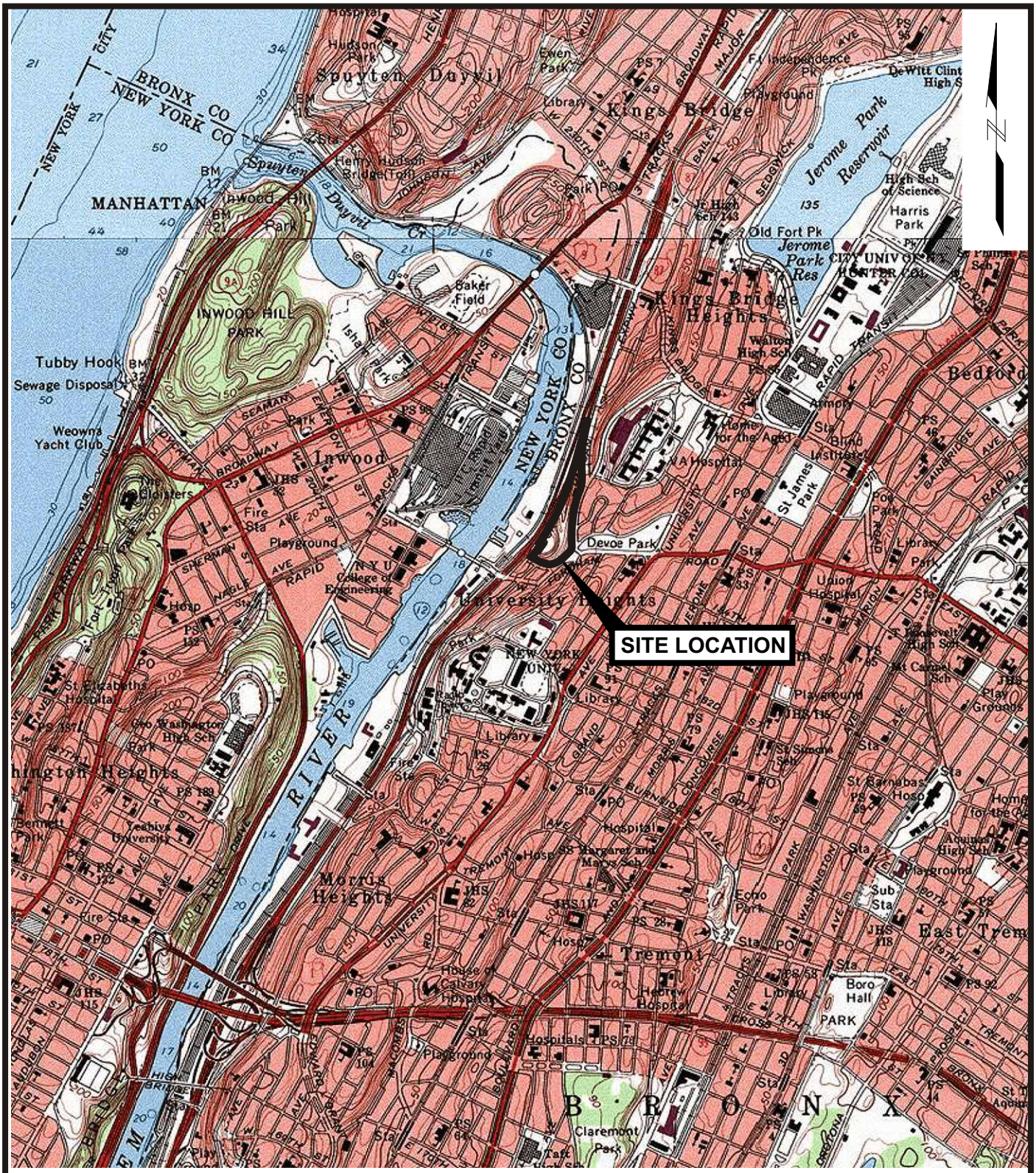
**Table 14**
**Groundwater Summary Statistics**
**Kingsbridge Station**
**Bronx, New York**

| **Chemical Name** | NYSDEC RSCO (TAGM 4046) | Number of Samples Analyzed | Number of Detections | Maximum Detected Concentration (ug/L) | Sample with Maximum Detected Concentration | Number of Detections that Exceed NYSDEC RSCO | Percent Detected that Exceed NYSDEC RSCO |
|---|---|---|---|---|---|---|---|
| Aroclor 1260 | NE | 7 | 2 | 0.74 | MW-2 | 0 | 0 |
| Aluminum | NE | 7 | 5 | 1920 | MW-5D | 0 | 0 |
| Barium | 1000 | 7 | 7 | 379 | MW-4S | 0 | 0 |
| Cadmium | 5 | 7 | 1 | 1.1 | MW-5S | 0 | 0 |
| Calcium | NE | 7 | 7 | 301000 | MW-1 | 0 | 0 |
| Chromium | 50 | 7 | 2 | 13.4 | MW-5D | 0 | 0 |
| Cobalt | NE | 7 | 3 | 8.4 | MW-5S | 0 | 0 |
| Copper | 200 | 7 | 1 | 9 | MW-1 | 0 | 0 |
| Iron | 300 | 7 | 5 | 10600 | MW-4S | 5 | 100 |
| Lead | 25 | 7 | 1 | 3.8 | MW-1 | 0 | 0 |
| Magnesium | 35000* | 7 | 7 | 117000 | MW-1 | 4 | 57 |
| Manganese | 300 | 7 | 7 | 3290 | MW-4S | 5 | 71 |
| Nickel | 100 | 7 | 5 | 45.7 | MW-5S | 0 | 0 |
| Potassium | NE | 7 | 7 | 23900 | MW-2 | 0 | 0 |
| Selenium | 10 | 7 | 1 | 6.1 | MW-1 | 0 | 0 |
| Sodium | 20000 | 7 | 7 | 449000 | MW-1 | 7 | 100 |
| Vanadium | NE | 7 | 3 | 10.9 | MW-5D | 0 | 0 |
| Zinc | 2000* | 7 | 3 | 39.6 | MW-5D | 0 | 0 |
| Cyanide, Total | 200 | 7 | 2 | 49.5 | MW-1 | 0 | 0 |

# Table 15
# Exposure Pathway Assessment
# Kingsbridge Holder Station
# Bronx, New York

| Compound Group | Media | Screening Criteria | Exceeds Criteria? | Potential Receptors | Complete Exposure Pathway? |
|---|---|---|---|---|---|
| VOCs | Surface Soil | TAGM 4046 | No | Maintenance Worker | No |
| | | | | Construction Worker | No |
| | | | | Park User | No |
| | | | | Parking Lot Patron | No |
| | Subsurface Soil | TAGM 4046 | No | Maintenance Worker | No |
| | | | | Construction Worker | No |
| | | | | Park User | No |
| | | | | Parking Lot Patron | No |
| | Groundwater | NYSWQS | No | Maintenance Worker | No |
| | | | | Construction Worker | No |
| | | | | Park User | No |
| | | | | Parking Lot Patron | No |
| SVOCs | Surface Soil | TAGM 4046 and Background | Yes | Maintenance Worker | Yes |
| | | | | Construction Worker | Yes |
| | | | | Park User | Yes |
| | | | | Parking Lot Patron | No |
| | Subsurface Soil | TAGM 4046 | Yes | Maintenance Worker | Yes |
| | | | | Construction Worker | Yes |
| | | | | Park User | No |
| | | | | Parking Lot Patron | No |
| | Groundwater | NYSWQS | No | Maintenance Worker | No |
| | | | | Construction Worker | No |
| | | | | Park User | No |
| | | | | Parking Lot Patron | No |
| Metals | Surface Soil | TAGM 4046 and Background | Yes | Maintenance Worker | Yes |
| | | | | Construction Worker | Yes |
| | | | | Park User | Yes |
| | | | | Parking Lot Patron | No |
| | Subsurface Soil | TAGM 4046 | Yes | Maintenance Worker | Yes |
| | | | | Construction Worker | Yes |
| | | | | Park User | No |
| | | | | Parking Lot Patron | No |
| | Groundwater | NYSWQS | Yes | Maintenance Worker | Yes |
| | | | | Construction Worker | Yes |
| | | | | Park User | No |
| | | | | Parking Lot Patron | No |
| PCBs | Surface Soil | TAGM 4046 | Yes | Maintenance Worker | Yes |
| | | | | Construction Worker | Yes |
| | | | | Park User | Yes |
| | | | | Parking Lot Patron | No |
| | Subsurface Soil | TAGM 4046 | No | Maintenance Worker | No |
| | | | | Construction Worker | No |
| | | | | Park User | No |
| | | | | Parking Lot Patron | No |
| | Groundwater | NYSWQS | No | Maintenance Worker | No |
| | | | | Construction Worker | No |
| | | | | Park User | No |
| | | | | Parking Lot Patron | No |

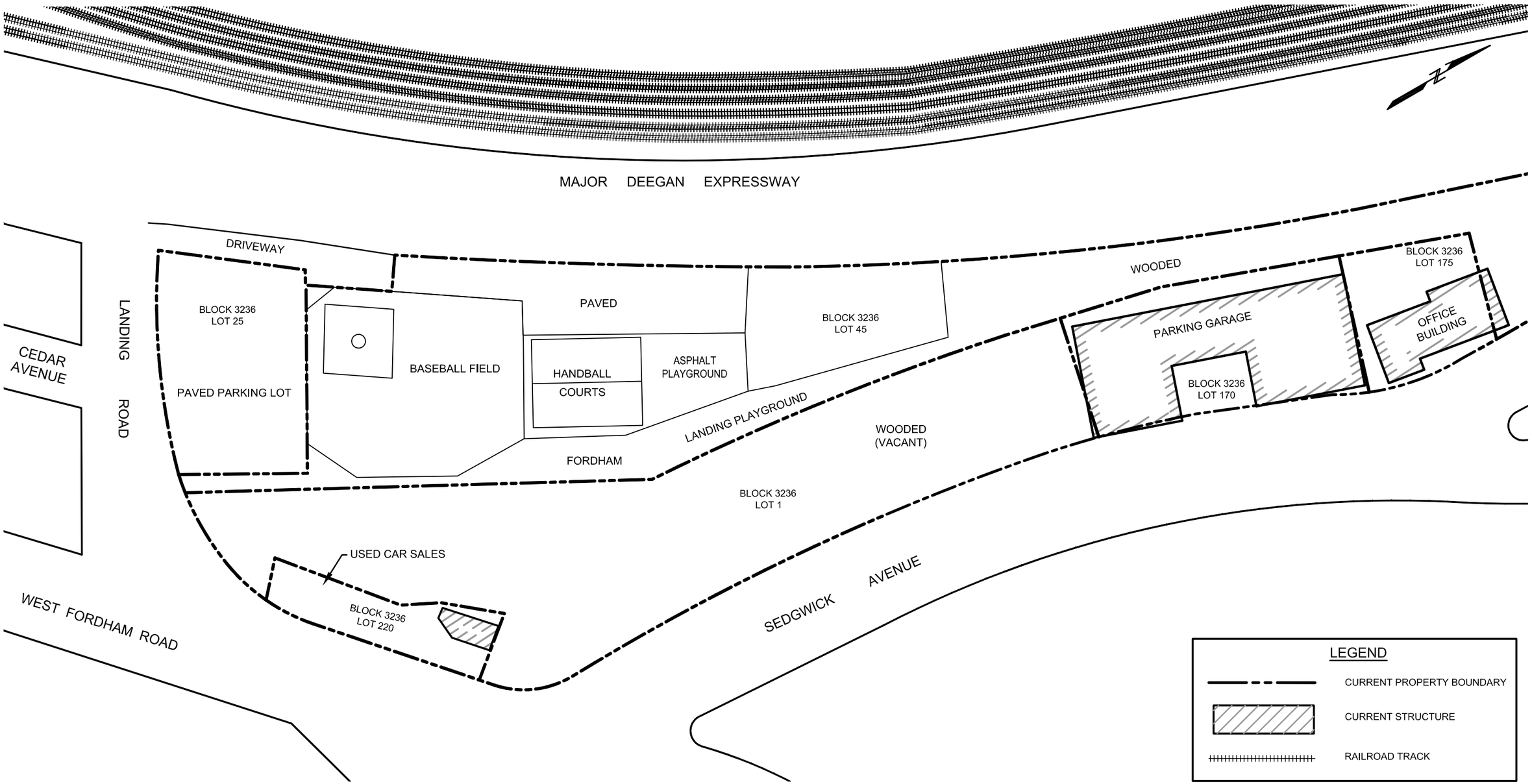
# Figures




SOURCE: Map created with TOPO! ® ©2001 National Geographic (www.nationalgeographic.com/topo)

| | | |
|---|---|---|
| KINGSBRIDGE STATION<br>BRONX, NEW YORK | GEI Consultants | SITE LOCATION MAP |
| CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.<br>NEW YORK, NEW YORK | Project 031510 | October 2004 Figure 1 |

CON_ED\CON_ED\KINGS\031510\REPORT\KING-LOC.CDR

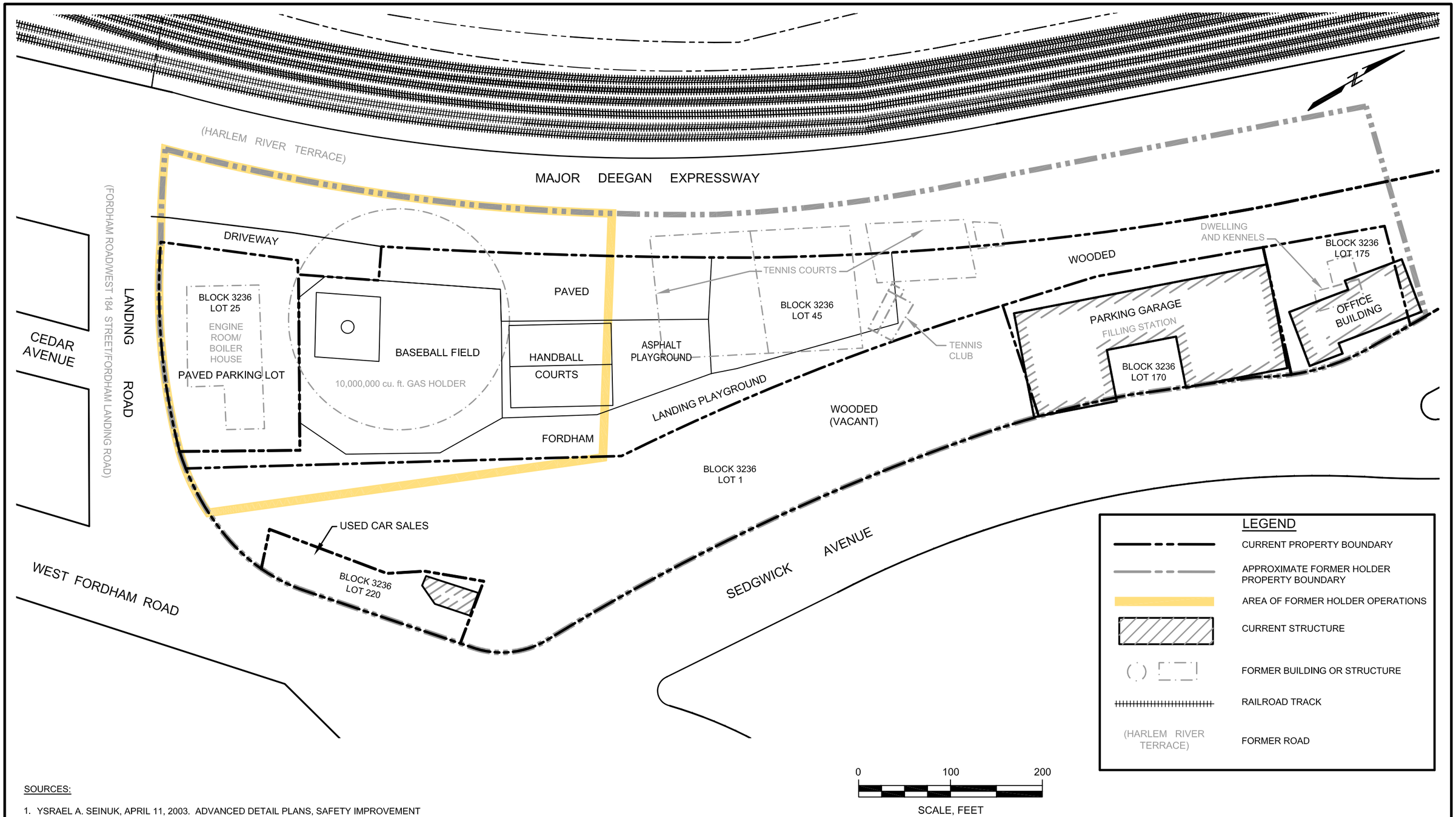



SOURCES:

1. YSRAEL A. SEINUK, APRIL 11, 2003. ADVANCED DETAIL PLANS, SAFETY IMPROVEMENT PROJECT, MAJOR DEEGAN EXPRESSWAY NORTHBOUND ENTRANCE RAMP AT WEST FORDHAM ROAD, BRONX, NEW YORK.
2. SANBORN FIRE INSURANCE MAPS DATED 1914, 1950, AND 1977. 1996 AERIAL PHOTOGRAPH, OPEN ACCESSIBLE SPACE INFORMATION SYSTEM COOPERATIVE (OASIS) WWW.OASISNYC.NET.
3. BRONX TAX ASSESSOR'S MAP.

| | | |
|---|---|---|
| KINGSBRIDGE STATION<br>BRONX, NEW YORK | GEI Consultants | **SITE LAYOUT MAP** |
| CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.<br>NEW YORK, NEW YORK | Project 031510 | October 2004 Figure 2 |

CON_ED\KINGS\031510\REPORT\KING-SITE-1

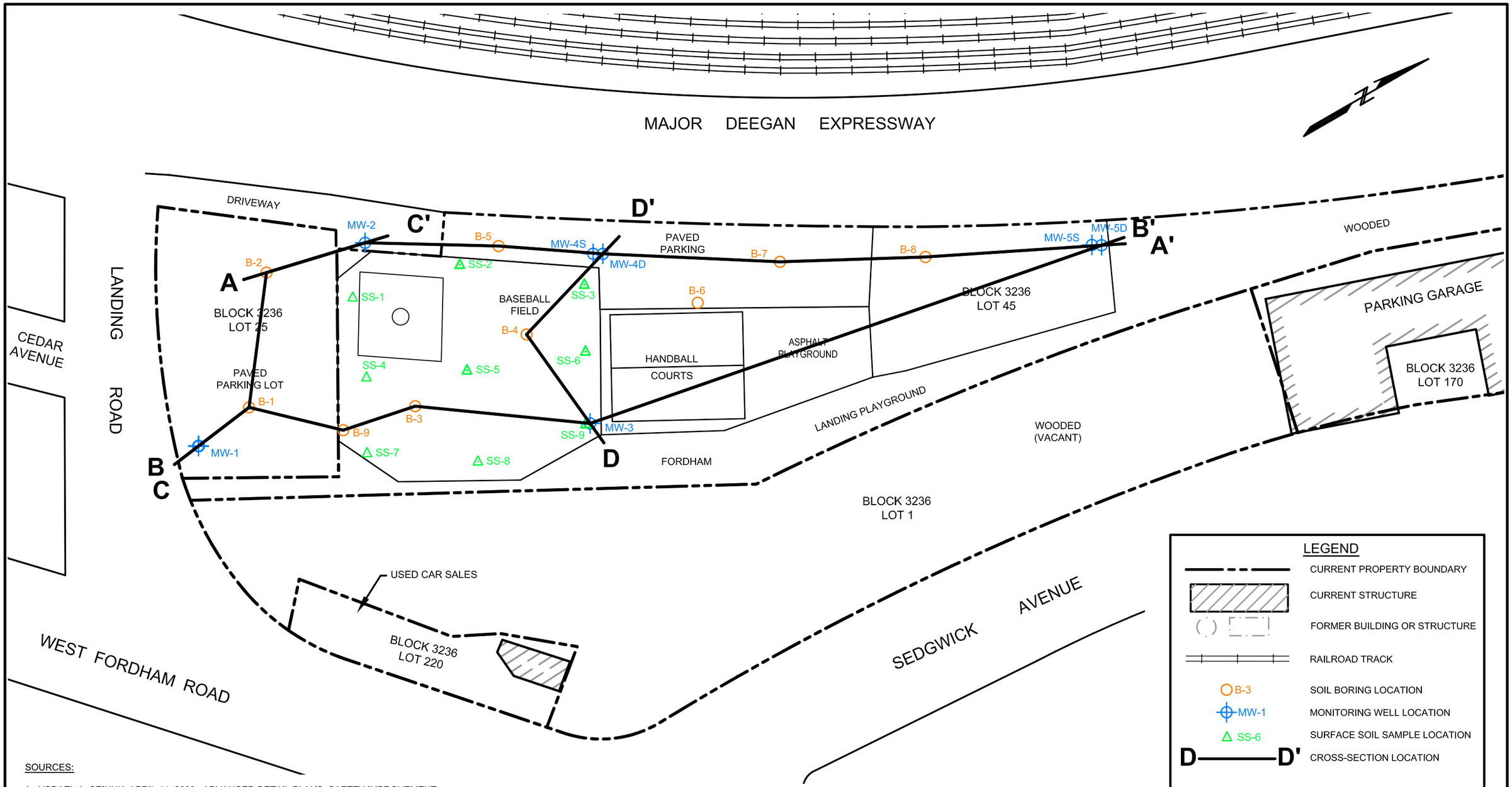



SOURCES:

1. YSRAEL A. SEINUK, APRIL 11, 2003. ADVANCED DETAIL PLANS, SAFETY IMPROVEMENT PROJECT, MAJOR DEEGAN EXPRESSWAY NORTHBOUND ENTRANCE RAMP AT WEST FORDHAM ROAD, BRONX, NEW YORK.
2. SANBORN FIRE INSURANCE MAPS DATED 1914, 1950, AND 1977. 1996 AERIAL PHOTOGRAPH, OPEN ACCESSIBLE SPACE INFORMATION SYSTEM COOPERATIVE (OASIS) WWW.OASISNYC.NET.
3. BRONX TAX ASSESSOR'S MAP.

| | | |
|---|---|---|
| KINGSBRIDGE STATION<br>BRONX, NEW YORK | GEI Consultants | **HISTORIC STRUCTURES AND CURRENT SITE LAYOUT** |
| CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.<br>NEW YORK, NEW YORK | Project 031510 | October 2004 Figure 3 |

CON_ED\KINGS\031510\REPORT\KING-SITE-1




SOURCES:

1. YSRAEL A. SEINUK, APRIL 11, 2003. ADVANCED DETAIL PLANS, SAFETY IMPROVEMENT PROJECT, MAJOR DEEGAN EXPRESSWAY NORTHBOUND ENTRANCE RAMP AT WEST FORDHAM ROAD, BRONX, NEW YORK.
2. SANBORN FIRE INSURANCE MAPS DATED 1914, 1950, AND 1977. 1996 AERIAL PHOTOGRAPH, OPEN ACCESSIBLE SPACE INFORMATION SYSTEM COOPERATIVE (OASIS) WWW.OASISNYC.NET.
3. BRONX TAX ASSESSOR'S MAP.

NOTE:
SURVEYED BY NEW YORK STATE-LICENSED LAND SURVEYOR No. 050146 ON 2/24/04. HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE, NORTH AMERICAN DATUM (NAD)83). VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD)88.

0 80 160.
SCALE, FEET

KINGSBRIDGE STATION
BRONX, NEW YORK

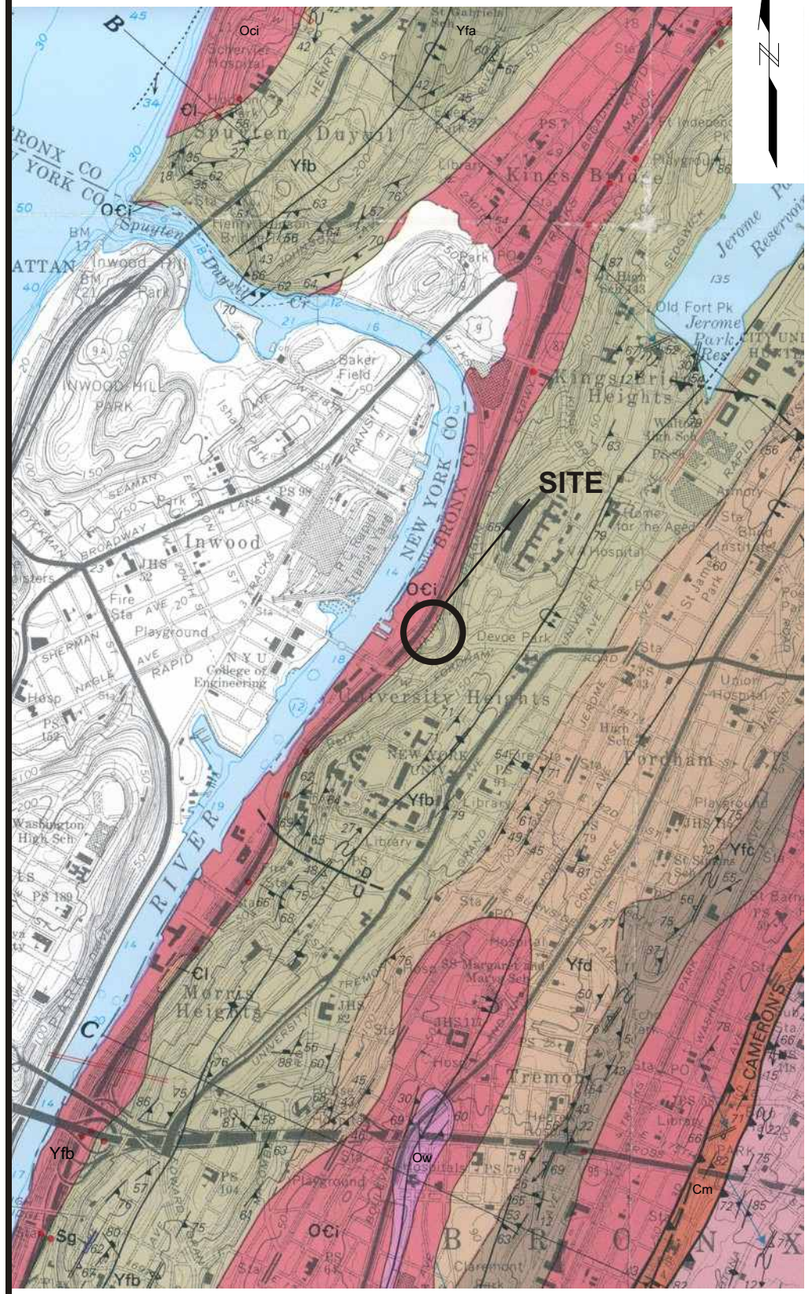
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
NEW YORK, NEW YORK

GEI Consultants
Project 031510

**SAMPLE LOCATIONS AND CROSS SECTION LOCATIONS**

October 2004 Figure 4

CON_ED\KINGS\031510\REPORT\KING-SAMP




## DESCRIPTION OF MAP UNITS

### ALLOCHTHONOUS UNIT—WEST OF CAMERON'S LINE

**Єm** **Manhattan Schist (Lower Cambrian)**—Gray, medium- to coarse-grained, layered sillimanite-muscovite-biotite-kyanite schist and gneiss interlayered with layered tourmaline-garnet-plagioclase-biotite-quartz schist and gneiss with black amphibolite layers 3 ft or more thick. Weathers gray, tan, rusty and maroon. The sillimanite occurs as lenses and nodules, commonly with kyanite, and also with magnetite or quartz. The sillimanite nodules average 0.8 in. in length. Unit locally contains interlayered thin quartz-mica-plagioclase-garnet granofels. Sparse garnet and (or) plagioclase porphyroblasts present; the garnets average 0.4 in. across. In places the foliation surfaces bear lustrous white mica having a gray metallic sheen. This unit generally has a local magnetic field that affects compass readings.

Unit is in thrust contact with the Walloomsac Formation, which can be seen in the railroad cut west of the Grand Concourse at E. 153d Street

### AUTOCHTHONOUS UNITS

**Ow** **Walloomsac Formation (Middle Ordovician)**—Gray, fissile, fine- to medium-grained plagioclase-garnet-muscovite-biotite-quartz schist. Outcrops generally are tan to rusty weathering, but in some places weather gray, dark gray or black. Typically, outcrops are slabby. Unit locally contains closely spaced garnet porphyroblasts that range from 0.2 to 0.4 in. across. Locally has layers of muscovite-plagioclase-quartz granofels and boudins of quartz-plagioclase-mica and garnet. Foliation may be thin and also wavelike due to kink folds. Thin (generally less than 1 ft) biotite-hornblende amphibolite is also present. Locally, much of the rock consists of muscovite. Near the base are layers of fine- to medium-grained bluish-white and white dolomitic and siliceous marble with diopside, phlogopite, and discontinuous tan- and rusty-weathering mica schist.

This unit is in thrust contact with the Manhattan Schist, which is above, and it overlies the Inwood Marble unconformably

**O€i** **Inwood Marble (Lower Ordovician to Lower Cambrian)**—Composed of the following units, whose distribution is not shown on the map because of poor exposure:

1. White, coarse-grained calcitic dolomite marble interlayered with bands of silicates (phlogopite, stretched granular quartz lenses, diopside, tremolite and actinolite) approximately 0.8–2.0 in. apart. Calcite and dolomite crystals average 0.3 in. across. Outcrop surfaces become coarsely sugar-textured and light to medium gray or tan on weathering;
2. Alternating bands of blue-gray medium-grained and white fine-grained calcite and dolomite marble. Brown phlogopite, tremolite and actinolite occur in variably spaced bands about 2 in. wide. In medium-grained rock, crystals of calcite and dolomite range from 0.08 to 0.4 in. across. In fine-grained rock, calcite crystals average 0.04–0.12 in. across. Weathers dark gray and tan. Develops fine sugary texture on weathering;
3. White and bluish-gray, predominantly fine-grained calcite marble with scattered dolomite and phlogopite crystals. Crystals range from less than 0.04 to 0.2 in. in diameter, with most being less than 0.12 in. across. Weathers medium gray with a fine, sugary-textured surface;
4. White, fine-grained dolomite marble with subordinate calcite and minor phlogopite. Grain size averages 0.12–0.16 in.

The Inwood Marble varies in thickness from about 100 ft to nearly 1000 ft. Its upper surface is in unconformable contact with the overlying Walloomsac Formation and its base is apparently conformable with the underlying Lowerre Quartzite, and unconformable with the Fordham Gneiss where the Lowerre is absent

**Yfd (Yfm)** Member D—Dark-gray to black hornblende-biotite gneiss and white quartz-plagioclase moderately banded gneiss, with thick (up to several feet) coarse-grained pegmatite and granite dikes and sills, some having partly digested xenoliths of banded gneiss. Thick (up to several feet), dull-black, very coarse-grained hornblende-biotite amphibolites with minor quartz are ubiquitous. In some places there are megacrystalline, white and sometimes pink granites, 6–12 ft thick. Locally, quartz-plagioclase granofels, black and white diorite-textured gneisses, and black and white wavy-banded gneisses are interlayered. The unit overall weathers black and light tan. Locally, rusty-weathering sulfidic schist is interlayered with the gneiss.

Interlayered siliceous, coarse-grained dolomites (Yfm) were found just east of the Jerome Avenue Rapid Transit yards and east to the Grand Concourse (Berkey, 1911)

**Yfc** Member C—Medium-gray, fine-grained quartz-biotite-plagioclase-muscovite schist interlayered with gray biotite-muscovite-quartz granofels. Some schist layers are thin and fissile. Intrusions of coarse white granite and granite pegmatite are common toward the contacts with adjacent rock units. Extensive plagioclase-biotite-hornblende amphibolite layers (up to several feet thick) are common. Amphibolites are black; in some places are rusty weathering. Granofels surfaces weather to a sandy texture and locally are slabby and black weathering. The unit overall may weather black, tan and locally maroon or dark gray

**Yfb** Member B—Complex, black and white banded gneiss; bands are generally 0.04–0.12 in. wide. Black bands are composed of quartz, plagioclase and biotite; white bands consist of garnet, quartz, plagioclase, muscovite and microcline. Broader bands in this gneiss are up to 2 in. wide and contain numerous interspersed laminae 0.04 in. thick. Unit contains quartz-feldspar veins approximately 4.7 in. thick and boudin-like structures approximately 9 in. wide and about 3 ft long. The boudins contain almandine and grossular garnet, quartz and biotite. Garnetiferous inclusions of this composition have been observed in tunnel excavations through this unit (Baskerville and others, 1987). Similar garnetiferous inclusions have been observed in the Ravenswood Granodiorite (Ziegler, 1911).

Where the amount of granite (narrow white bands) is low, the unit appears dark gray and pinstriped; where the granite content exceeds 50 percent (wider white bands), the rock appears light gray and broadly banded. Locally, tan- and rusty-weathering biotite-hornblende gneiss is interlayered.

A coarse-grained siliceous dolomite (Yfm) was found to be interlayered with this unit in the Jerome Park Reservoir excavation (Berkey, 1911; Manchester, 1931). The dolomite is not shown on the map due to the uncertainty of its exact location

**Yfa** Member A—Pinkish-white to salmon-red and medium-gray banded muscovite-biotite-plagioclase-microcline-quartz gneiss. Forms an aureole around the Yonkers Gneiss. Crosscutting and concordant pegmatites consisting of pink potassium feldspar and quartz are common in Van Cortlandt Park. Unit derived its present composition probably when the Yonkers Gneiss intruded the Fordham Gneiss, which allowed some magmatic gases and liquid to permeate the Fordham surrounding the intrusion. Local weathering of less-resistant darker biotite-rich bands leaves granitic bands in relief.

A coarse-grained siliceous dolomite (Yfm) interlayered with this unit extends from the north end of Hell Gate in the East River northward to about E. 136th Street. Fluhr (1969), stating that Berkey considered the marble in the east or Hell Gate channel of the East River to be interbedded with the Fordham Gneiss, named it Hell Gate Dolomite. Fluhr in the same report considered the marble to be an infold of the Inwood Marble. In this report this marble is considered to be a part of the Fordham Gneiss

## EXPLANATION OF MAP SYMBOLS

**Contact**—Dashed where approximately located; dotted where under water; queried where uncertain. Where shown solid under water, was located by test borings and tunnel data

30 U D **Fault**—Showing dip; short line normal to fault trace indicates vertical dip; paired arrows show relative movement; U, upthrown side; D, downthrown side. Dashed where approximately located; dotted where under water. Where observed in tunnels is shown solid. On cross sections only, relative movement is shown by: a, away from observer; t, toward observer

**Thrust fault**—Sawteeth on upper plate. Dashed where approximately located; dotted where under water. Where observed in tunnels is shown solid. Shows dip where known

### FOLDS

Folds show trace of axial surface. They are dashed where approximately located; dotted where under water

**Antiform**—Showing direction of plunge where known. Where asymmetric, shorter arrow indicates steeper limb

### MINOR FOLDS

**Strike and dip of axial surface of folds**

10 15 Inclined—Arrow, where shown, indicates bearing and plunge of axis

Vertical

12 **Minor fold deforming earlier foliation**—Showing bearing and plunge

### PLANAR FEATURES

May be combined with linear features. Shown open where measured in excavations and tunnels

| Strike and dip of foliation | Strike and dip of joints |
|---|---|
| 15 Inclined | 15 Inclined |
| Vertical | Vertical |
| | Horizontal |

SOURCE:

BEDROCK AND ENGINEERING GEOLOGIC MAPS OF BRONX COUNTY AND PARTS OF NEW YORK AND QUEENS COUNTIES, NEW YORK, BY CHARLES A. BASKERVILLE, 1992.

SCALE 1:24 000

1 ½ 0 1 MILE

KINGSBRIDGE STATION
BRONX, NEW YORK

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
NEW YORK, NEW YORK

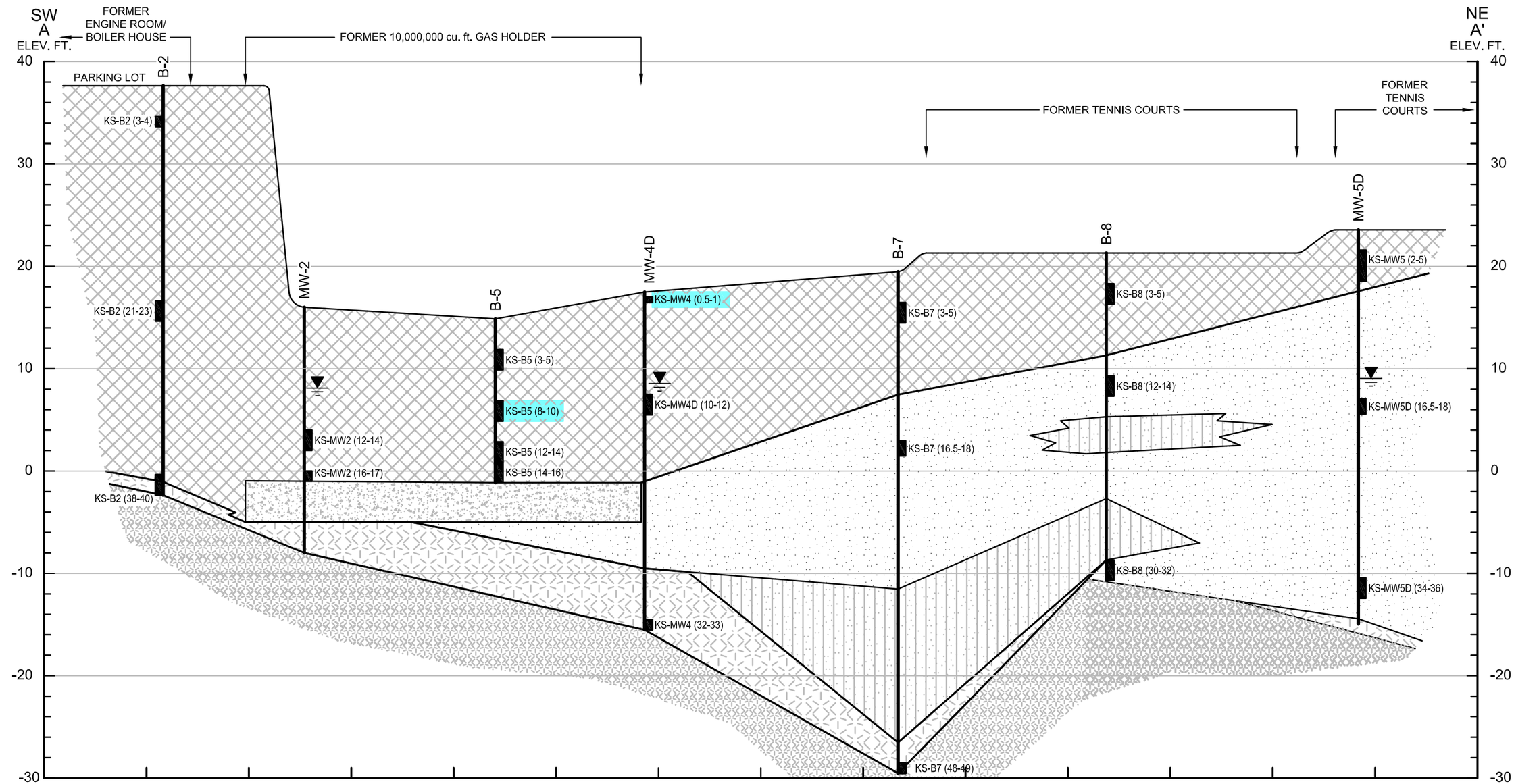
GEI Consultants

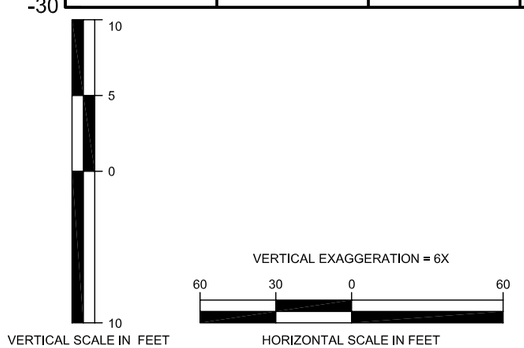
Project 031510

**BEDROCK GEOLOGY MAP**

October 2004 Figure 5

CON_ED\KINGS\031510\REPORT\KING-BED_GEO.CDR



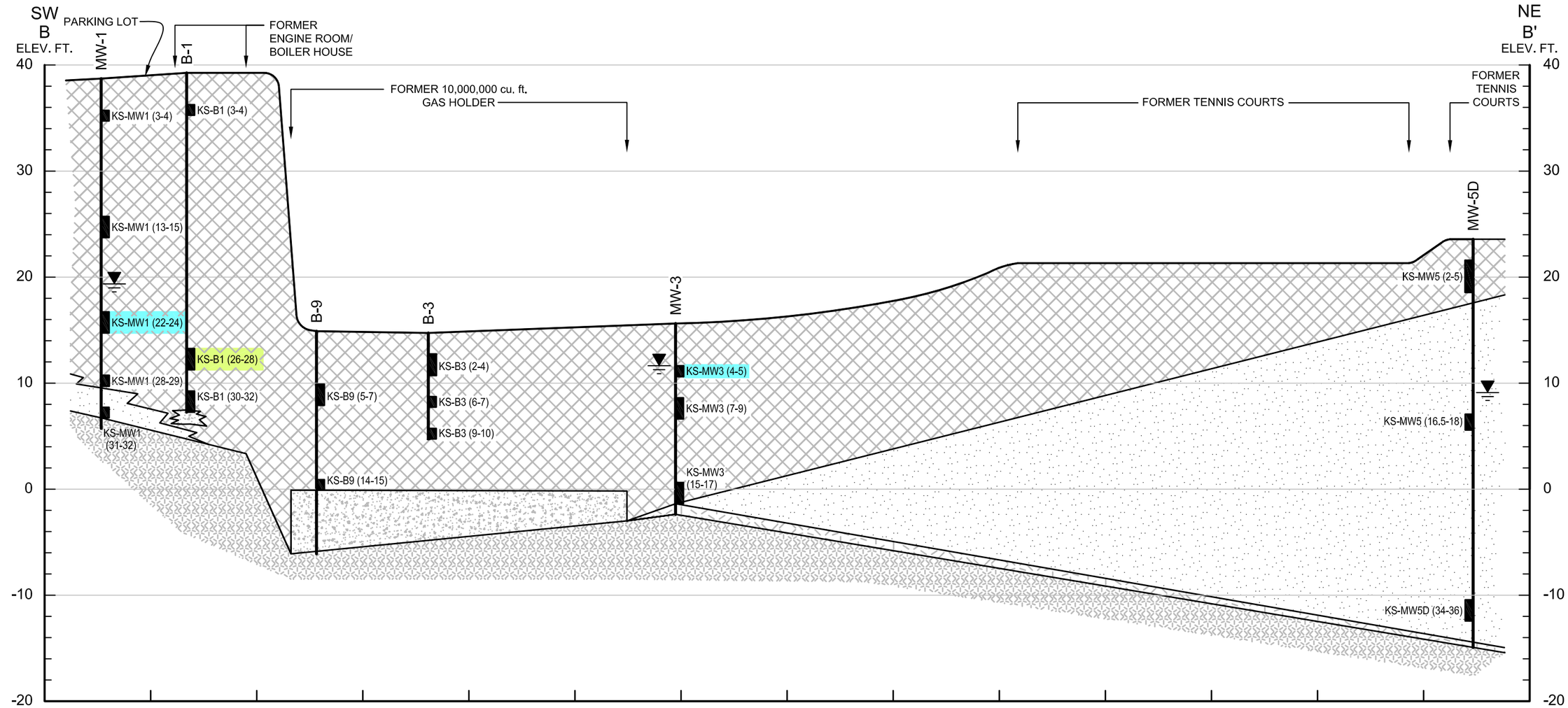

## LEGEND

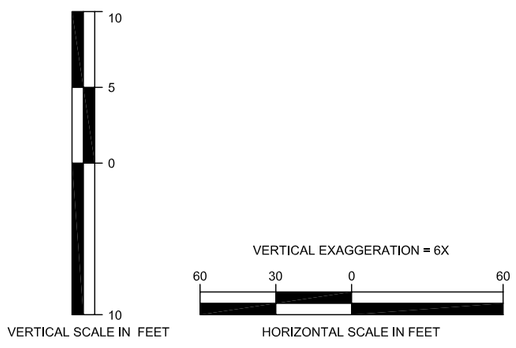
- FILL
- CONCRETE
- FINE TO COARSE SAND (GLACIAL)
- CLAY AND SILT (GLACIAL)
- WEATHERED BEDROCK
- BEDROCK
- HYDROCARBON STAINING AND/OR SHEEN
- HYDROCARBON ODORS
- CONTACT
- MW-1 — SOIL BORING OR MONITORING WELL IDENTIFICATION
- OBSERVED APPARENT GROUNDWATER TABLE
- ANALYTICAL SOIL SAMPLE INTERVAL

***NOTE:***
SURVEYED BY NEW YORK STATE LICENSED SURVEYOR NO. 050146 ON 2/24/04. HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE, NORTH AMERICAN DATUM (NAD) 83). VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD) 88.

| | | |
|---|---|---|
| KINGSBRIDGE STATION<br>BRONX, NEW YORK | GEI Consultants | **GEOLOGIC CROSS SECTION A-A'** |
| CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.<br>NEW YORK, NEW YORK | Project 031510 | October 2004 — Figure 6 |

CON_ED\KINGS\031510\REPORT\KING-XSECT



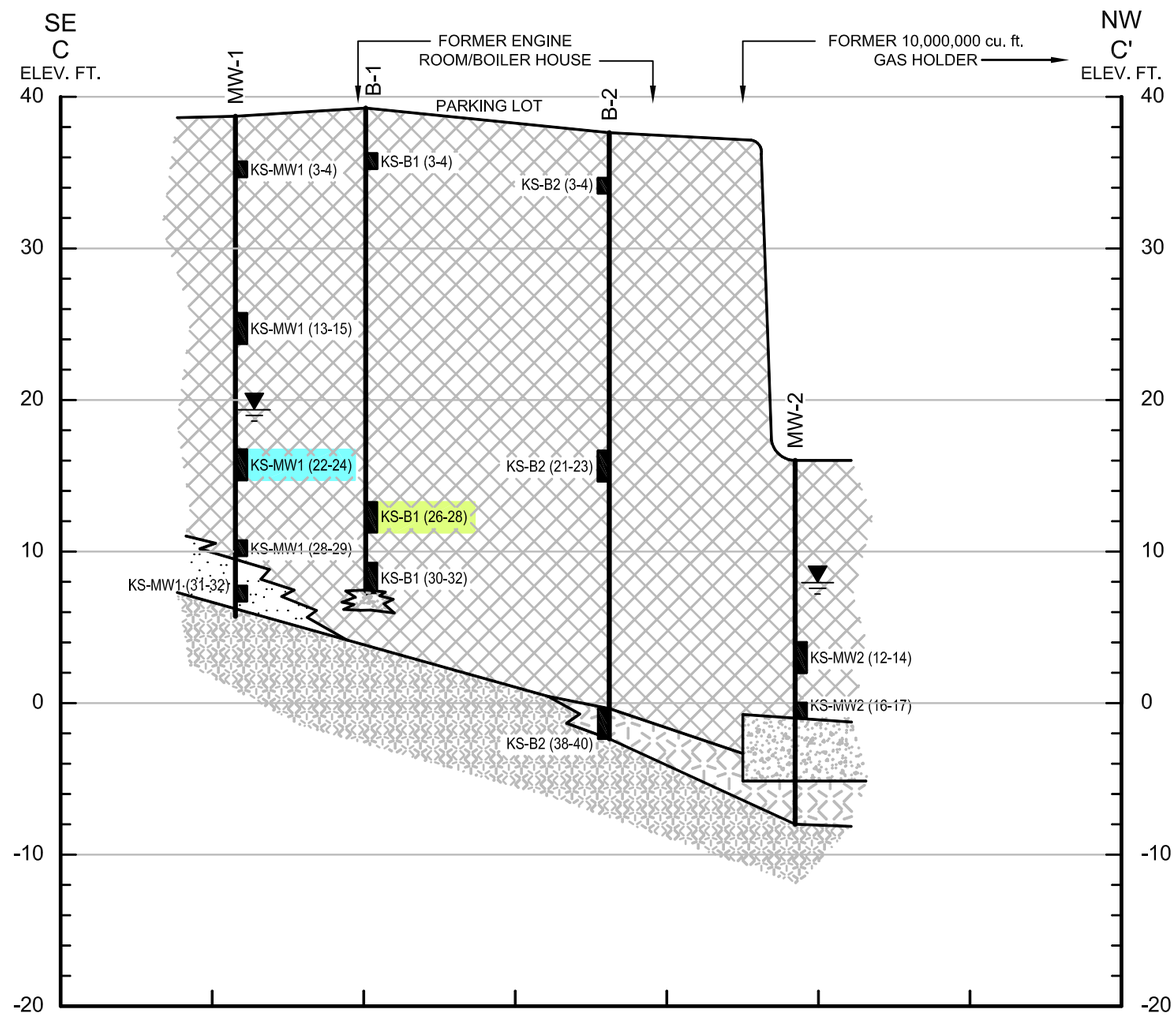

## LEGEND

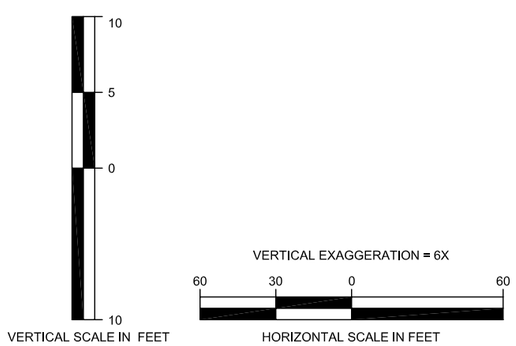
- FILL
- CONCRETE
- FINE TO COARSE SAND (GLACIAL)
- CLAY AND SILT (GLACIAL)
- WEATHERED BEDROCK
- BEDROCK
- HYDROCARBON STAINING AND/OR SHEEN
- HYDROCARBON ODORS
- CONTACT
- MW-1 — SOIL BORING OR MONITORING WELL IDENTIFICATION
- OBSERVED APPARENT GROUNDWATER TABLE
- ANALYTICAL SOIL SAMPLE INTERVAL

***NOTE:***
SURVEYED BY NEW YORK STATE LICENSED SURVEYOR NO. 050146 ON 2/24/04. HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE, NORTH AMERICAN DATUM (NAD) 83). VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD) 88.

| | | |
|---|---|---|
| KINGSBRIDGE STATION<br>BRONX, NEW YORK | GEI Consultants | **GEOLOGIC CROSS SECTION B-B'** |
| CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.<br>NEW YORK, NEW YORK | Project 031510 | October 2004 Figure 7 |

CON_ED\KINGS\031510\REPORT\KING-XSECT




## LEGEND

- FILL
- CONCRETE
- FINE TO COARSE SAND (GLACIAL)
- CLAY AND SILT (GLACIAL)
- WEATHERED BEDROCK
- BEDROCK
- HYDROCARBON STAINING AND/OR SHEEN
- HYDROCARBON ODORS
- CONTACT
- MW-1 — SOIL BORING OR MONITORING WELL IDENTIFICATION
- OBSERVED APPARENT GROUNDWATER TABLE
- ANALYTICAL SOIL SAMPLE INTERVAL

***NOTE:***
SURVEYED BY NEW YORK STATE LICENSED SURVEYOR NO. 050146 ON 2/24/04. HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE, NORTH AMERICAN DATUM (NAD) 83). VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD) 88.

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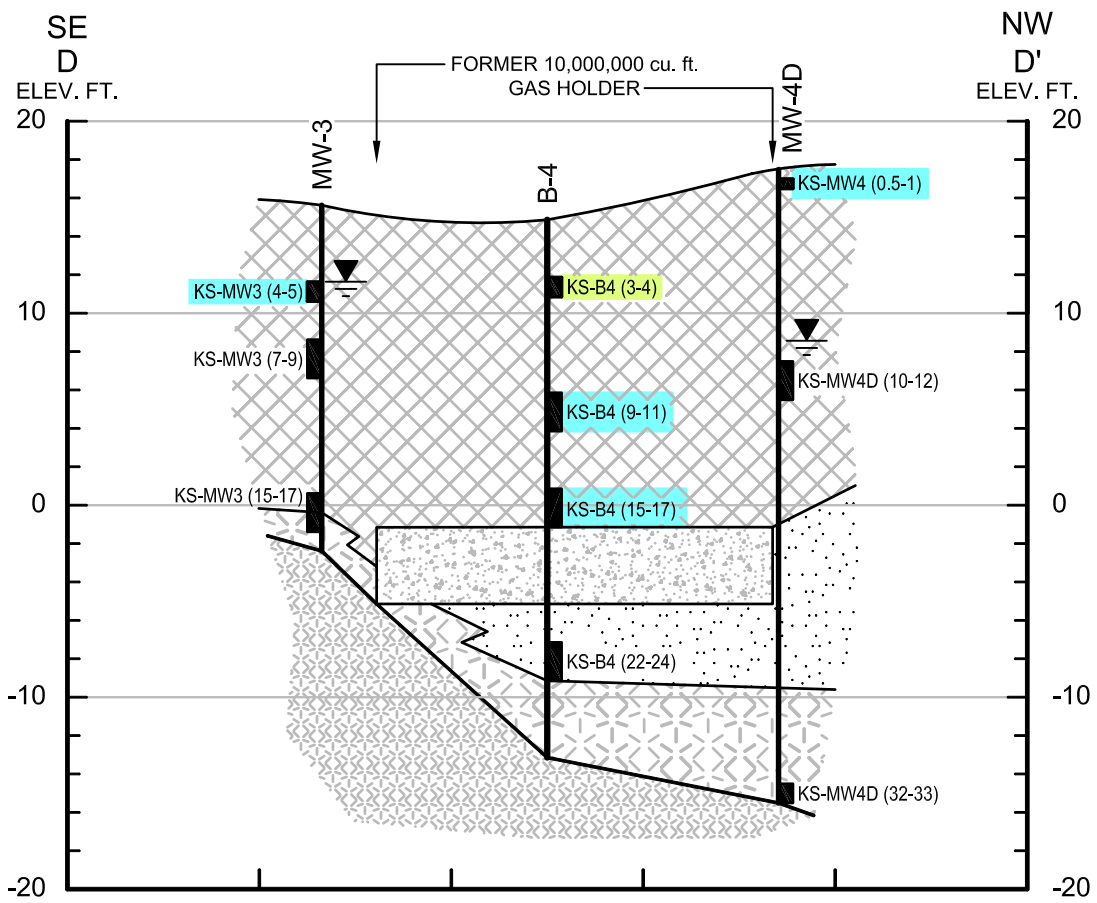
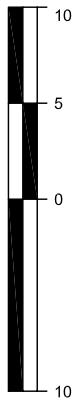
|---|---|---|
| KINGSBRIDGE STATION<br>BRONX, NEW YORK | GEI Consultants | **GEOLOGIC CROSS SECTION C-C'** |
| CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.<br>NEW YORK, NEW YORK | Project 031510 | October 2004 — Figure 8 |

CON_ED\KINGS\031510\REPORT\KING-XSECT




VERTICAL SCALE IN FEET

HORIZONTAL SCALE IN FEET

VERTICAL EXAGGERATION = 6X

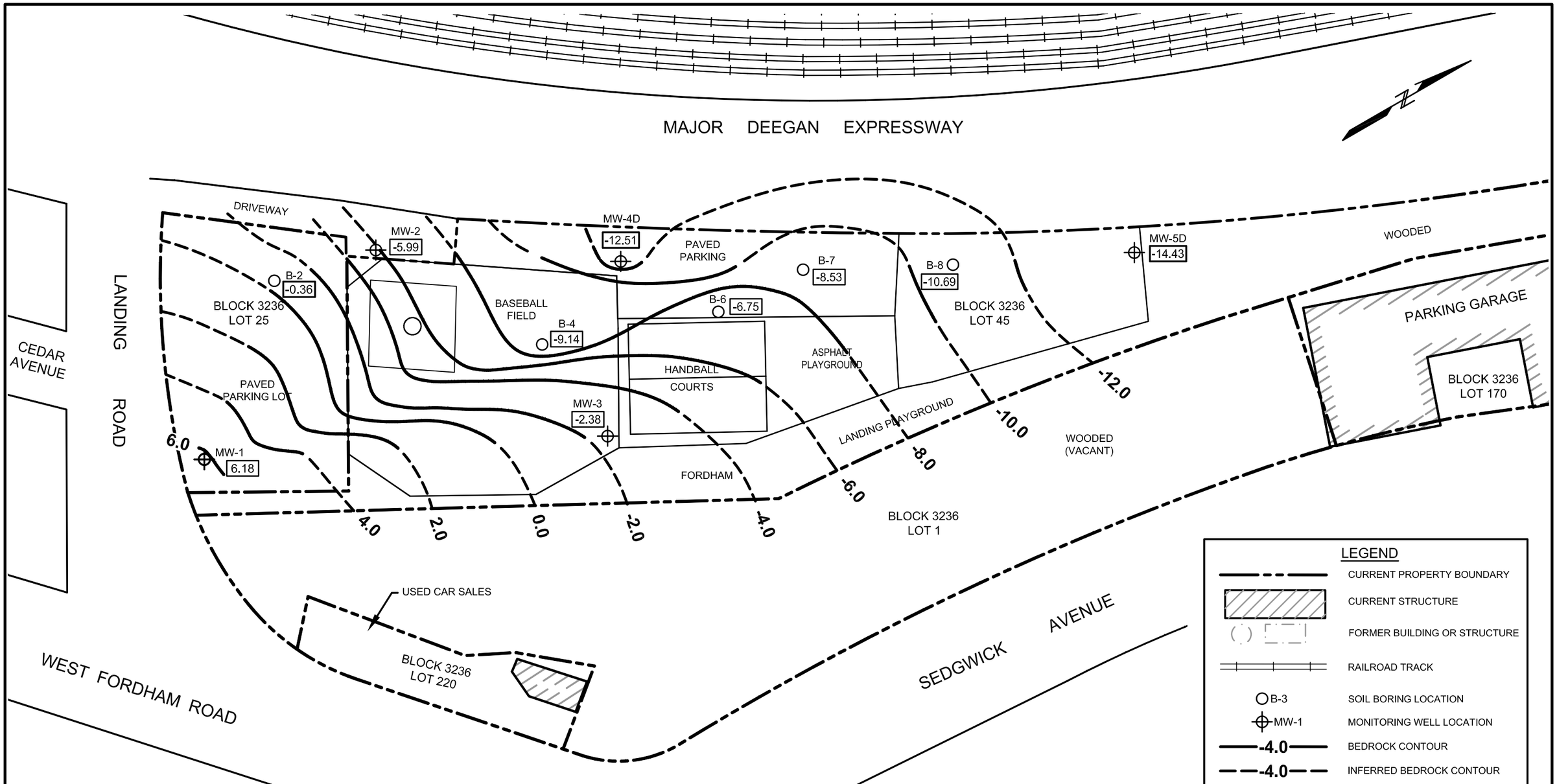
## LEGEND

- FILL
- CONCRETE
- FINE TO COARSE SAND (GLACIAL)
- CLAY AND SILT (GLACIAL)
- WEATHERED BEDROCK
- BEDROCK
- HYDROCARBON STAINING AND/OR SHEEN
- HYDROCARBON ODORS
- CONTACT
- MW-1 — SOIL BORING OR MONITORING WELL IDENTIFICATION
- OBSERVED APPARENT GROUNDWATER TABLE
- ANALYTICAL SOIL SAMPLE INTERVAL

***NOTE:***
SURVEYED BY NEW YORK STATE LICENSED SURVEYOR NO. 050146 ON 2/24/04. HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE, NORTH AMERICAN DATUM (NAD) 83). VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD) 88.

| | | |
|---|---|---|
| KINGSBRIDGE STATION<br>BRONX, NEW YORK | GEI Consultants | **GEOLOGIC CROSS SECTION D-D'** |
| CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.<br>NEW YORK, NEW YORK | Project 031510 | October 2004 Figure 9 |

CON_ED\KINGS\031510\REPORT\KING-XSECT




SOURCES:

1. YSRAEL A. SEINUK, APRIL 11, 2003. ADVANCED DETAIL PLANS, SAFETY IMPROVEMENT PROJECT, MAJOR DEEGAN EXPRESSWAY NORTHBOUND ENTRANCE RAMP AT WEST FORDHAM ROAD, BRONX, NEW YORK.
2. SANBORN FIRE INSURANCE MAPS DATED 1914, 1950, AND 1977. 1996 AERIAL PHOTOGRAPH, OPEN ACCESSIBLE SPACE INFORMATION SYSTEM COOPERATIVE (OASIS) WWW.OASISNYC.NET.
3. BRONX TAX ASSESSOR'S MAP.

NOTE:
SURVEYED BY NEW YORK STATE-LICENSED LAND SURVEYOR No. 050146 ON 2/24/04. HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE, NORTH AMERICAN DATUM (NAD)83). VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD)88.

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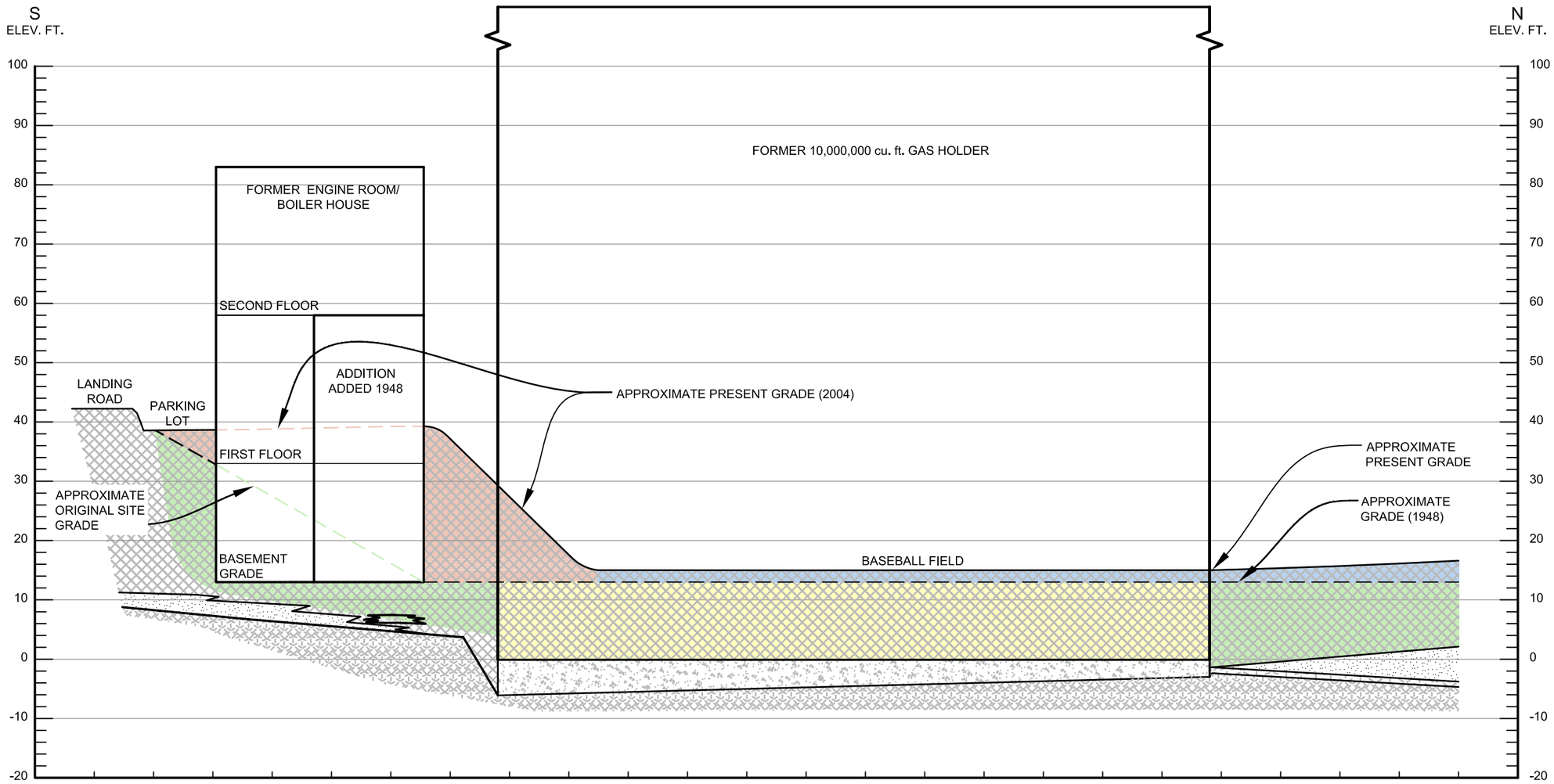
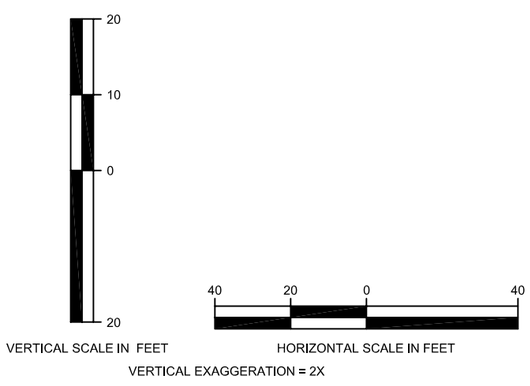
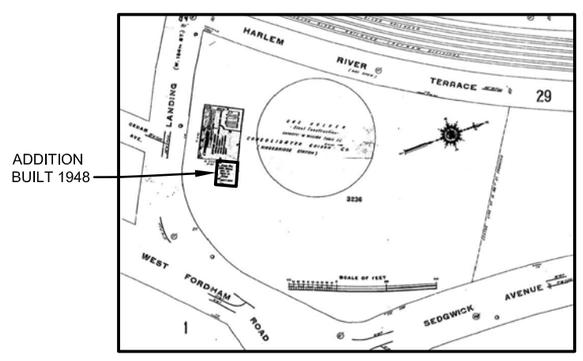
|---|---|---|
| KINGSBRIDGE STATION<br>BRONX, NEW YORK | GEI Consultants | **BEDROCK CONTOUR MAP** |
| CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.<br>NEW YORK, NEW YORK | Project 031510 | October 2004 Figure 10 |

CON_ED\KINGS\031510\REPORT\KING-BEDROCK




**1950 SANBORN FIRE INSURANCE MAP**

## LEGEND

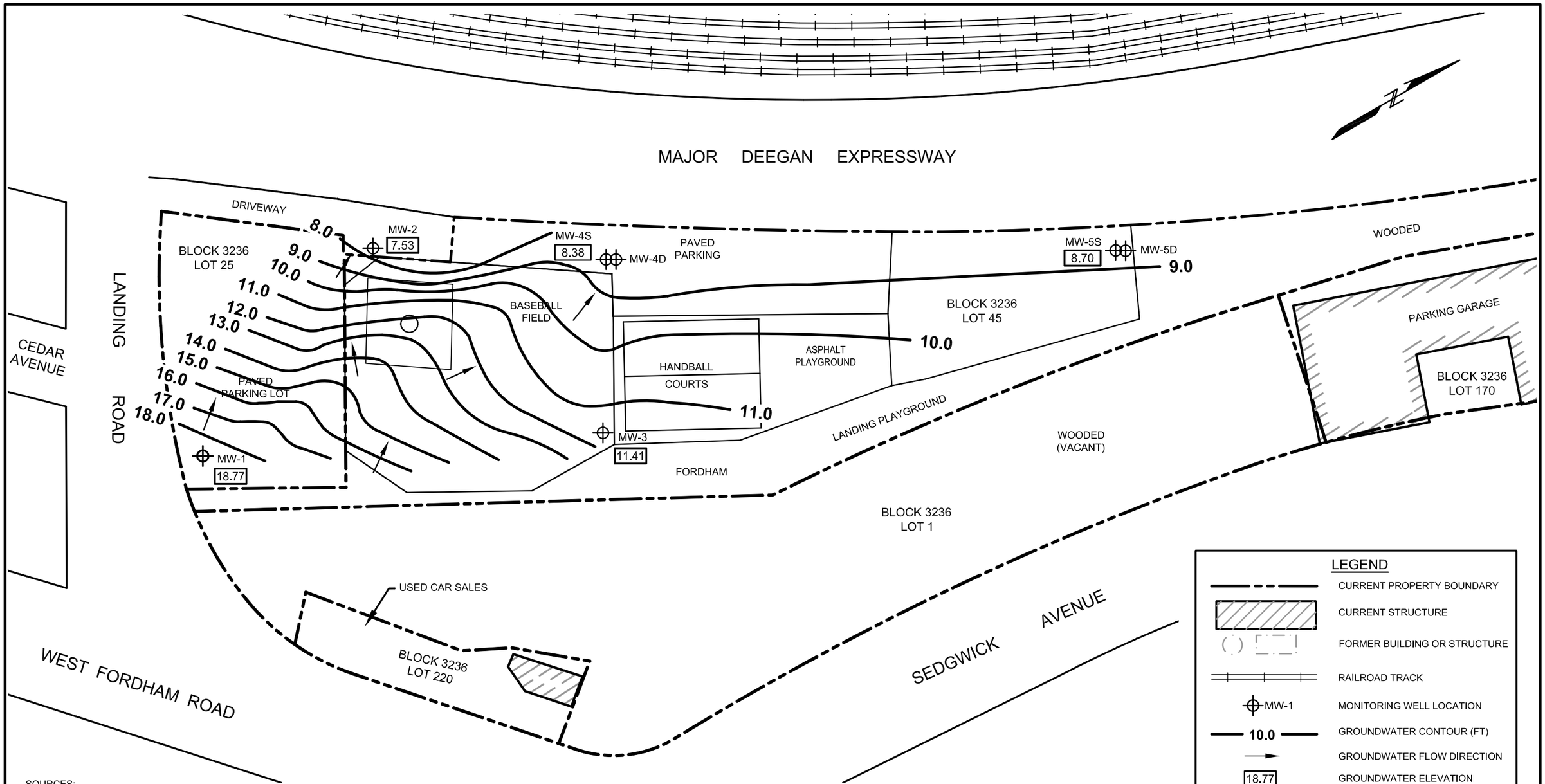
- CONTACT
- FILL
- CONCRETE
- FINE TO COARSE SAND (GLACIAL)
- CLAY AND SILT (GLACIAL)
- WEATHERED BEDROCK
- BEDROCK
- FILL: POST BALL FIELD REGRADING (CIRCA 1996)
- FILL: POST BUILDING DEMOLITION (CIRCA 1986)
- FILL: POST GAS HOLDER DEMOLITION (CIRCA 1950)
- FILL: (CIRCA 1910)

REFERENCES:

1. CONSOLIDATED EDISON CO.
   PLANS, ELEVATIONS & SECTIONS EXTENSION TO COMPRESSOR HOUSE
   PLAN #105849-2 (1947).
2. CITY OF NEW YORK PARKS & RECREATION
   PLANS, GRADING, DRAINAGE & WATER LINES
   BRONX BUILDING DEPARTMENT PLAN #200375780 (1996).

| | | |
|---|---|---|
| KINGSBRIDGE STATION<br>BRONX, NEW YORK | GEI Consultants | **HISTORIC SITE TOPOGRAPHY** |
| CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.<br>NEW YORK, NEW YORK | Project 031510 | October 2004 Figure 11 |

CON_ED\KINGS\031510\REPORT\KING-SECTION DETAIL




SOURCES:

1. YSRAEL A. SEINUK, APRIL 11, 2003. ADVANCED DETAIL PLANS, SAFETY IMPROVEMENT PROJECT, MAJOR DEEGAN EXPRESSWAY NORTHBOUND ENTRANCE RAMP AT WEST FORDHAM ROAD, BRONX, NEW YORK.
2. SANBORN FIRE INSURANCE MAPS DATED 1914, 1950, AND 1977. 1996 AERIAL PHOTOGRAPH, OPEN ACCESSIBLE SPACE INFORMATION SYSTEM COOPERATIVE (OASIS) WWW.OASISNYC.NET.
3. BRONX TAX ASSESSOR'S MAP.

NOTE:
SURVEYED BY NEW YORK STATE-LICENSED LAND SURVEYOR No. 050146 ON 2/24/04. HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE, NORTH AMERICAN DATUM (NAD)83). VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD)88.

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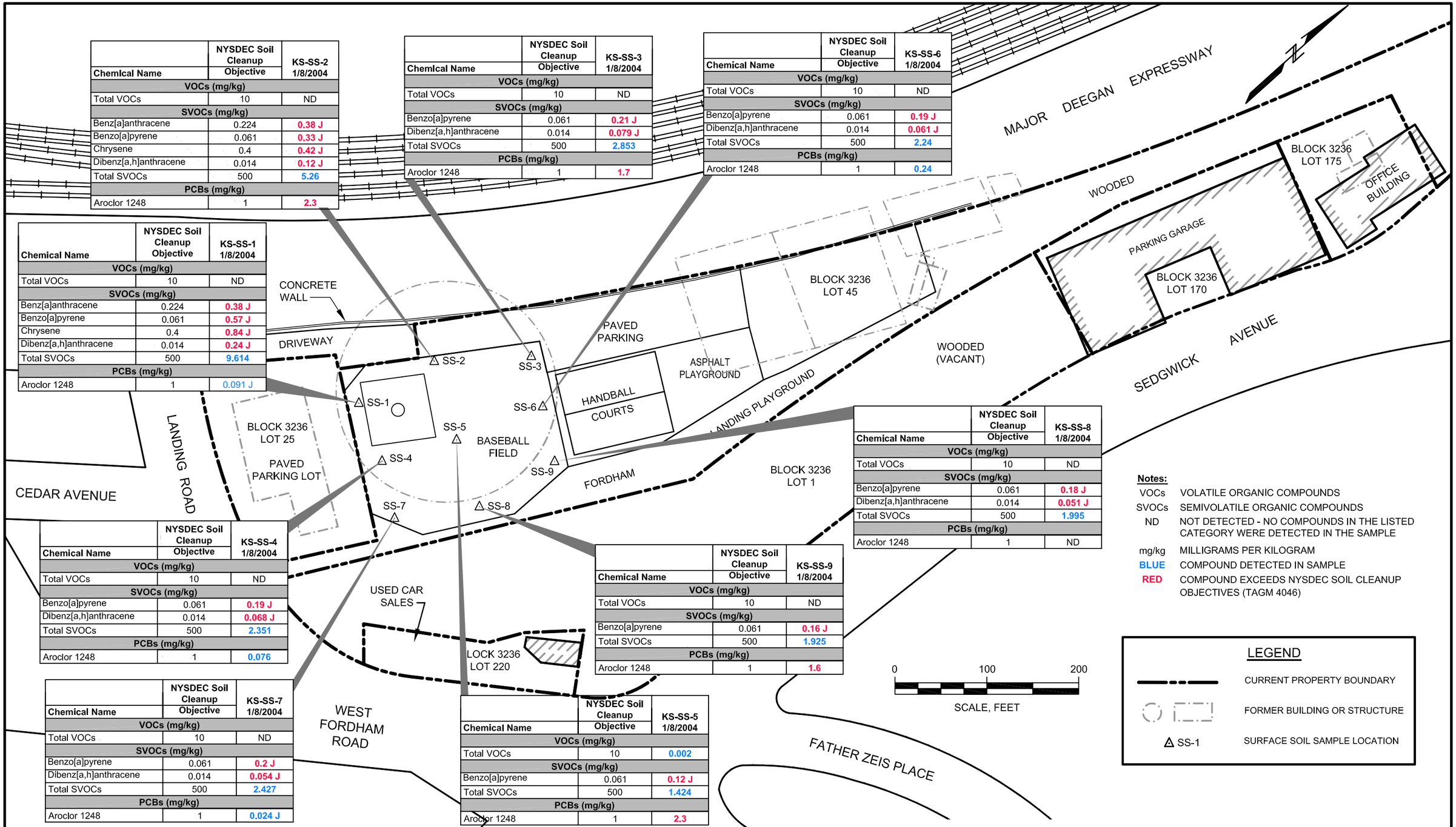
|---|---|---|
| KINGSBRIDGE STATION<br>BRONX, NEW YORK | GEI Consultants | **GROUNDWATER CONTOURS AND FLOW DIRECTION** |
| CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.<br>NEW YORK, NEW YORK | Project 031510 | October 2004 Figure 12 |

CON_ED\KINGS\031510\REPORT\KING-GW CONT




| Chemical Name | NYSDEC Soil Cleanup Objective | KS-SS-2 1/8/2004 |
|---|---|---|
| **VOCs (mg/kg)** | | |
| Total VOCs | 10 | ND |
| **SVOCs (mg/kg)** | | |
| Benz[a]anthracene | 0.224 | 0.38 J |
| Benzo[a]pyrene | 0.061 | 0.33 J |
| Chrysene | 0.4 | 0.42 J |
| Dibenz[a,h]anthracene | 0.014 | 0.12 J |
| Total SVOCs | 500 | 5.26 |
| **PCBs (mg/kg)** | | |
| Aroclor 1248 | 1 | 2.3 |

| Chemical Name | NYSDEC Soil Cleanup Objective | KS-SS-3 1/8/2004 |
|---|---|---|
| **VOCs (mg/kg)** | | |
| Total VOCs | 10 | ND |
| **SVOCs (mg/kg)** | | |
| Benzo[a]pyrene | 0.061 | 0.21 J |
| Dibenz[a,h]anthracene | 0.014 | 0.079 J |
| Total SVOCs | 500 | 2.853 |
| **PCBs (mg/kg)** | | |
| Aroclor 1248 | 1 | 1.7 |

| Chemical Name | NYSDEC Soil Cleanup Objective | KS-SS-6 1/8/2004 |
|---|---|---|
| **VOCs (mg/kg)** | | |
| Total VOCs | 10 | ND |
| **SVOCs (mg/kg)** | | |
| Benzo[a]pyrene | 0.061 | 0.19 J |
| Dibenz[a,h]anthracene | 0.014 | 0.061 J |
| Total SVOCs | 500 | 2.24 |
| **PCBs (mg/kg)** | | |
| Aroclor 1248 | 1 | 0.24 |

| Chemical Name | NYSDEC Soil Cleanup Objective | KS-SS-1 1/8/2004 |
|---|---|---|
| **VOCs (mg/kg)** | | |
| Total VOCs | 10 | ND |
| **SVOCs (mg/kg)** | | |
| Benz[a]anthracene | 0.224 | 0.38 J |
| Benzo[a]pyrene | 0.061 | 0.57 J |
| Chrysene | 0.4 | 0.84 J |
| Dibenz[a,h]anthracene | 0.014 | 0.24 J |
| Total SVOCs | 500 | 9.614 |
| **PCBs (mg/kg)** | | |
| Aroclor 1248 | 1 | 0.091 J |

| Chemical Name | NYSDEC Soil Cleanup Objective | KS-SS-8 1/8/2004 |
|---|---|---|
| **VOCs (mg/kg)** | | |
| Total VOCs | 10 | ND |
| **SVOCs (mg/kg)** | | |
| Benzo[a]pyrene | 0.061 | 0.18 J |
| Dibenz[a,h]anthracene | 0.014 | 0.051 J |
| Total SVOCs | 500 | 1.995 |
| **PCBs (mg/kg)** | | |
| Aroclor 1248 | 1 | ND |

| Chemical Name | NYSDEC Soil Cleanup Objective | KS-SS-4 1/8/2004 |
|---|---|---|
| **VOCs (mg/kg)** | | |
| Total VOCs | 10 | ND |
| **SVOCs (mg/kg)** | | |
| Benzo[a]pyrene | 0.061 | 0.19 J |
| Dibenz[a,h]anthracene | 0.014 | 0.068 J |
| Total SVOCs | 500 | 2.351 |
| **PCBs (mg/kg)** | | |
| Aroclor 1248 | 1 | 0.076 |

| Chemical Name | NYSDEC Soil Cleanup Objective | KS-SS-9 1/8/2004 |
|---|---|---|
| **VOCs (mg/kg)** | | |
| Total VOCs | 10 | ND |
| **SVOCs (mg/kg)** | | |
| Benzo[a]pyrene | 0.061 | 0.16 J |
| Total SVOCs | 500 | 1.925 |
| **PCBs (mg/kg)** | | |
| Aroclor 1248 | 1 | 1.6 |

| Chemical Name | NYSDEC Soil Cleanup Objective | KS-SS-7 1/8/2004 |
|---|---|---|
| **VOCs (mg/kg)** | | |
| Total VOCs | 10 | ND |
| **SVOCs (mg/kg)** | | |
| Benzo[a]pyrene | 0.061 | 0.2 J |
| Dibenz[a,h]anthracene | 0.014 | 0.054 J |
| Total SVOCs | 500 | 2.427 |
| **PCBs (mg/kg)** | | |
| Aroclor 1248 | 1 | 0.024 J |

| Chemical Name | NYSDEC Soil Cleanup Objective | KS-SS-5 1/8/2004 |
|---|---|---|
| **VOCs (mg/kg)** | | |
| Total VOCs | 10 | 0.002 |
| **SVOCs (mg/kg)** | | |
| Benzo[a]pyrene | 0.061 | 0.12 J |
| Total SVOCs | 500 | 1.424 |
| **PCBs (mg/kg)** | | |
| Aroclor 1248 | 1 | 2.3 |

**Notes:**

| | |
|---|---|
| VOCs | VOLATILE ORGANIC COMPOUNDS |
| SVOCs | SEMIVOLATILE ORGANIC COMPOUNDS |
| ND | NOT DETECTED - NO COMPOUNDS IN THE LISTED CATEGORY WERE DETECTED IN THE SAMPLE |
| mg/kg | MILLIGRAMS PER KILOGRAM |
| BLUE | COMPOUND DETECTED IN SAMPLE |
| RED | COMPOUND EXCEEDS NYSDEC SOIL CLEANUP OBJECTIVES (TAGM 4046) |

**LEGEND**

| | |
|---|---|
| | CURRENT PROPERTY BOUNDARY |
| | FORMER BUILDING OR STRUCTURE |
| △ SS-1 | SURFACE SOIL SAMPLE LOCATION |

SOURCES:
SANBORN FIRE INSURANCE MAPS DATED 1914, 1950, AND 1977.
1996 AERIAL PHOTOGRAPH, OPEN ACCESSIBLE SPACE INFORMATION SYSTEM COOPERATIVE (OASIS) WWW.OASISNYC.NET.
BRONX TAX ASSESSOR'S MAP.

KINGSBRIDGE STATION
BRONX, NEW YORK

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
NEW YORK, NEW YORK

GEI Consultants

Project 031510

**SURFACE SOIL ANALYTICAL DATA**

October 2004 Figure 13

CON_ED\KINGS\031510\REPORT\KING-SURF ANAL

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-B-5 (3-5) 1/13/2004 | KS-B-5 (8-10) 1/19/2004 | KS-B-5A (12-14) 1/21/2004 | KS-B-5 (14-16) 1/19/2004 |
|---|---|---|---|---|---|
| VOCs (mg/kg) | | | | | |
| Total VOCs | 10 | 0.045 | 0.015 | 0.006 | 0.0117 |
| SVOCs (mg/kg) | | | | | |
| Benz[a]anthracene | 0.224 | 0.77 J | 14 | 1.6 | 1.7 |
| Benzo[a]pyrene | 0.061 | 0.61 J | 11 | 1.3 | 1.6 |
| Benzo[b]fluoranthene | 1.1 | NE | 11 | NE | 1.4 |
| Benzo[k]fluoranthene | 1.1 | NE | 9.1 J | 1.3 | 1.5 J |
| Chrysene | 0.4 | 0.8 J | 14 | 1.6 | 1.8 |
| Dibenz[a,h]anthracene | 0.014 | 0.14 J | 3.5 J | 0.16 J | 0.44 J |
| Indeno[1,2,3-cd]pyrene | 3.2 | NE | 5.7 J | NE | NE |
| Total SVOCs | 500 | 9.23 | 171.34 | 27.292 | 25.43 |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-MW-4 (0.5-1) 1/13/2004 | KS-MW-4 (10-12) 1/23/2004 | KS-MW-4 (32-33) 1/23/2004 |
|---|---|---|---|---|
| VOCs (mg/kg) | | | | |
| Total VOCs | 10 | ND | 0.013 | 0.004 |
| SVOCs (mg/kg) | | | | |
| Benz[a]anthracene | 0.224 | 0.93 | NE | ND |
| Benzo[a]pyrene | 0.061 | 0.87 | 0.16 J | ND |
| Chrysene | 0.4 | 0.9 | NE | ND |
| Dibenz[a,h]anthracene | 0.014 | 0.29 J | 0.038 J | ND |
| Total SVOCs | 500 | 10.941 | 2.128 | 0.015 |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-B-7 (3-5) 1/13/2004 | KS-B-7 (16.5-18) 1/16/2004 | KS-B-7 (48-49) 1/16/2004 |
|---|---|---|---|---|
| VOCs (mg/kg) | | | | |
| Total VOCs | 10 | ND | 0.026 | 0.001 |
| SVOCs (mg/kg) | | | | |
| Benz[a]anthracene | 0.224 | 1.8 | NE | NE |
| Benzo[a]pyrene | 0.061 | 1.3 | NE | NE |
| Chrysene | 0.4 | 1.7 | NE | NE |
| Dibenz[a,h]anthracene | 0.014 | 0.39 J | ND | ND |
| Total SVOCs | 500 | 17.882 | 0.848 | 1.392 |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-B-8 (3-5) 1/13/2004 | KS-B-8 (12-14) 1/14/2004 | KS-B-8 (30-32) 1/14/2004 |
|---|---|---|---|---|
| VOCs (mg/kg) | | | | |
| Total VOCs | 10 | 0.028 | ND | 0.002 |
| SVOCs (mg/kg) | | | | |
| Benz[a]anthracene | 0.224 | 0.5 | NE | NE |
| Benzo[a]pyrene | 0.061 | 0.46 | NE | NE |
| Chrysene | 0.4 | 0.52 | NE | NE |
| Dibenz[a,h]anthracene | 0.014 | 0.15 J | NE | NE |
| Total SVOCs | 500 | 6.267 | 0.136 | 0.156 |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-MW-2 (12-14) 1/22/2004 | KS-MW-2 (16-18) 1/22/2004 |
|---|---|---|---|
| VOCs (mg/kg) | | | |
| Total VOCs | 10 | 0.004 | 0.533 |
| SVOCs (mg/kg) | | | |
| Benz[a]anthracene | 0.224 | 0.49 | 9.6 |
| Benzo[a]pyrene | 0.061 | 0.46 | 8.4 |
| Benzo[b]fluoranthene | 1.1 | NE | 6.4 |
| Benzo[k]fluoranthene | 1.1 | NE | 7.9 J |
| Chrysene | 0.4 | 0.49 | 8.6 |
| Dibenz[a,h]anthracene | 0.014 | ND | 2.4 J |
| Indeno[1,2,3-cd]pyrene | 3.2 | NE | 4.4 J |
| Total SVOCs | 500 | 6.321 | 142.08 |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-B-2 (3-4) 2/2/2004 | KS-B-2 (21-23) 2/3/2004 | KS-B-2 (38-40) 2/4/2004 |
|---|---|---|---|---|
| VOCs (mg/kg) | | | | |
| Total VOCs | 10 | 0.03 | 0.08 | 0.009 |
| SVOCs (mg/kg) | | | | |
| Benz[a]anthracene | 0.224 | ND | 0.33 J | ND |
| Benzo[a]pyrene | 0.061 | ND | 0.3 J | ND |
| Dibenz[a,h]anthracene | 0.014 | ND | 0.093 J | ND |
| Total SVOCs | 500 | 0.246 | 4.769 | 0.019 |

| Chemical Name | NYSDEC Soil Cleanup Objective | KS-B-1 (3-4) 2/2/2004 | KS-B1 (26-28) 2/4/2004 | KS-B1 (30-32) 2/5/2004 |
|---|---|---|---|---|
| VOCs (mg/kg) | | | | |
| Total VOCs | 10 | 0.01 | 0.05 | 0.015 |
| SVOCs (mg/kg) | | | | |
| SVOCs | | NE | NE | NE |
| Total SVOCs | 500 | 0.166 | 1.405 | 0.326 |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-MW-5 (2-5) 1/13/2004 | KS-MW-5 (16.5-18) 1/20/2004 | KS-MW-5 (34-36) 1/20/2004 |
|---|---|---|---|---|
| VOCs (mg/kg) | | | | |
| Total VOCs | 10 | ND | 0.0006 | 0.002 |
| SVOCs (mg/kg) | | | | |
| Benz[a]anthracene | 0.224 | 0.9 | ND | ND |
| Benzo[a]pyrene | 0.061 | 0.93 | ND | ND |
| Chrysene | 0.4 | 0.95 | ND | ND |
| Dibenz[a,h]anthracene | 0.014 | 0.38 | ND | ND |
| Total SVOCs | 500 | 10.81 | 0.056 | 0.022 |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-MW-1 (3-4) 2/2/2004 | KS-MW1 (13-15) 2/5/2004 | KS-MW1 (22-24) 2/5/2004 | KS-MW1 (28-29) 2/5/2004 | KS-MW1 (31-32) 2/5/2004 |
|---|---|---|---|---|---|---|
| VOCs (mg/kg) | | | | | | |
| Total VOCs | 10 | 0.022 | 0.0126 | 0.0079 | 0.019 | 0.0138 |
| SVOCs (mg/kg) | | | | | | |
| Benz[a]anthracene | 0.224 | 0.38 J | ND | NE | ND | ND |
| Benzo[a]pyrene | 0.061 | 0.38 J | ND | ND | ND | ND |
| Chrysene | 0.4 | 0.43 J | ND | NE | ND | ND |
| Total SVOCs | 500 | 5.68 | ND | 0.607 | 0.049 | 0.188 |

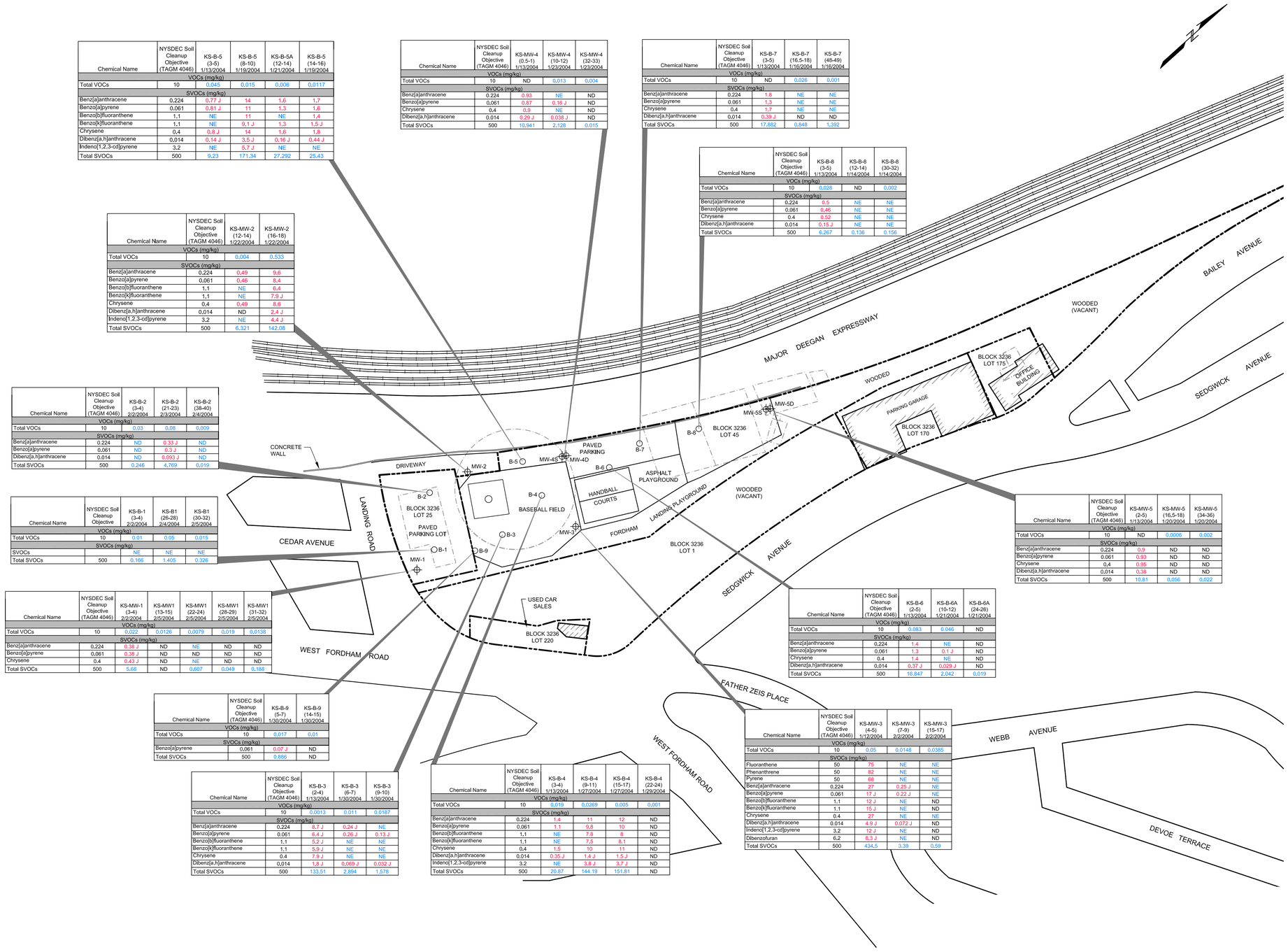
| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-B-6 (2-5) 1/13/2004 | KS-B-6A (10-12) 1/21/2004 | KS-B-6A (24-26) 1/21/2004 |
|---|---|---|---|---|
| VOCs (mg/kg) | | | | |
| Total VOCs | 10 | 0.083 | 0.046 | ND |
| SVOCs (mg/kg) | | | | |
| Benz[a]anthracene | 0.224 | 1.4 | NE | ND |
| Benzo[a]pyrene | 0.061 | 1.3 | 0.1 J | ND |
| Chrysene | 0.4 | 1.4 | NE | ND |
| Dibenz[a,h]anthracene | 0.014 | 0.37 J | 0.029 J | ND |
| Total SVOCs | 500 | 16.847 | 2.042 | 0.019 |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-B-9 (5-7) 1/30/2004 | KS-B-9 (14-15) 1/30/2004 |
|---|---|---|---|
| VOCs (mg/kg) | | | |
| Total VOCs | 10 | 0.017 | 0.01 |
| SVOCs (mg/kg) | | | |
| Benzo[a]pyrene | 0.061 | 0.07 J | ND |
| Total SVOCs | 500 | 0.886 | ND |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-B-3 (2-4) 1/13/2004 | KS-B-3 (6-7) 1/30/2004 | KS-B-3 (9-10) 1/30/2004 |
|---|---|---|---|---|
| VOCs (mg/kg) | | | | |
| Total VOCs | 10 | 0.0013 | 0.011 | 0.0187 |
| SVOCs (mg/kg) | | | | |
| Benz[a]anthracene | 0.224 | 8.7 J | 0.24 J | NE |
| Benzo[a]pyrene | 0.061 | 6.4 J | 0.26 J | 0.13 J |
| Benzo[b]fluoranthene | 1.1 | 5.2 J | NE | NE |
| Benzo[k]fluoranthene | 1.1 | 5.9 J | NE | NE |
| Chrysene | 0.4 | 7.9 J | NE | NE |
| Dibenz[a,h]anthracene | 0.014 | 1.8 J | 0.069 J | 0.032 J |
| Total SVOCs | 500 | 133.51 | 2.894 | 1.578 |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-B-4 (3-4) 1/13/2004 | KS-B-4 (8-11) 1/27/2004 | KS-B-4 (15-17) 1/27/2004 | KS-B-4 (22-24) 1/29/2004 |
|---|---|---|---|---|---|
| VOCs (mg/kg) | | | | | |
| Total VOCs | 10 | 0.019 | 0.0269 | 0.005 | 0.001 |
| SVOCs (mg/kg) | | | | | |
| Benz[a]anthracene | 0.224 | 1.4 | 11 | 12 | ND |
| Benzo[a]pyrene | 0.061 | 1.1 | 9.8 | 10 | ND |
| Benzo[b]fluoranthene | 1.1 | NE | 7.8 | 8 | ND |
| Benzo[k]fluoranthene | 1.1 | NE | 7.5 | 8.1 | ND |
| Chrysene | 0.4 | 1.5 | 10 | 11 | ND |
| Dibenz[a,h]anthracene | 0.014 | 0.35 J | 1.4 J | 1.5 J | ND |
| Indeno[1,2,3-cd]pyrene | 3.2 | NE | 3.8 J | 3.7 J | ND |
| Total SVOCs | 500 | 20.87 | 144.19 | 151.81 | ND |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-MW-3 (4-5) 1/12/2004 | KS-MW-3 (7-9) 2/2/2004 | KS-MW-3 (15-17) 2/2/2004 |
|---|---|---|---|---|
| VOCs (mg/kg) | | | | |
| Total VOCs | 10 | 0.05 | 0.0148 | 0.0385 |
| SVOCs (mg/kg) | | | | |
| Fluoranthene | 50 | 75 | NE | NE |
| Phenanthrene | 50 | 82 | NE | NE |
| Pyrene | 50 | 68 | NE | NE |
| Benz[a]anthracene | 0.224 | 27 | 0.25 J | NE |
| Benzo[a]pyrene | 0.061 | 17 J | 0.22 J | NE |
| Benzo[b]fluoranthene | 1.1 | 12 J | NE | ND |
| Benzo[k]fluoranthene | 1.1 | 15 J | NE | ND |
| Chrysene | 0.4 | 27 | NE | NE |
| Dibenz[a,h]anthracene | 0.014 | 4.9 J | 0.072 J | ND |
| Indeno[1,2,3-cd]pyrene | 3.2 | 12 J | NE | ND |
| Dibenzofuran | 6.2 | 8.3 J | NE | ND |
| Total SVOCs | 500 | 434.5 | 3.39 | 0.59 |




## LEGEND

| | |
|---|---|
| | CURRENT PROPERTY BOUNDARY |
| | FORMER BUILDING OR STRUCTURE |
| MW-1 | MONITORING WELL LOCATION |
| B-3 | SOIL BORING LOCATION |

**NOTES:**

| | |
|---|---|
| VOCs | VOLATILE ORGANIC COMPOUNDS |
| SVOCs | SEMIVOLATILE ORGANIC COMPOUNDS |
| ND | NOT DETECTED - NO COMPOUNDS IN THE LISTED CATEGORY WERE DETECTED IN THE SAMPLE |
| NE | NO EXCEEDANCE - COMPOUND DOES NOT EXCEED NYSDEC SOIL CLEANUP OBJECTIVE (TAGM 4046) |
| mg/kg | MILLIGRAMS PER KILOGRAM |
| BLUE | COMPOUND DETECTED IN SAMPLE |
| RED | COMPOUND EXCEEDS NYSDEC SOIL CLEANUP OBJECTIVES (TAGM 4046) |

SOURCES:
SANBORN FIRE INSURANCE MAPS DATED 1914, 1950, AND 1977.
1996 AERIAL PHOTOGRAPH, OPEN ACCESSIBLE SPACE INFORMATION SYSTEM COOPERATIVE (OASIS) WWW.OASISNYC.NET.
BRONX TAX ASSESSOR'S MAP.

KINGSBRIDGE STATION
BRONX, NEW YORK

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
NEW YORK, NEW YORK

PROJECT NO.: 031510

GEI Consultants
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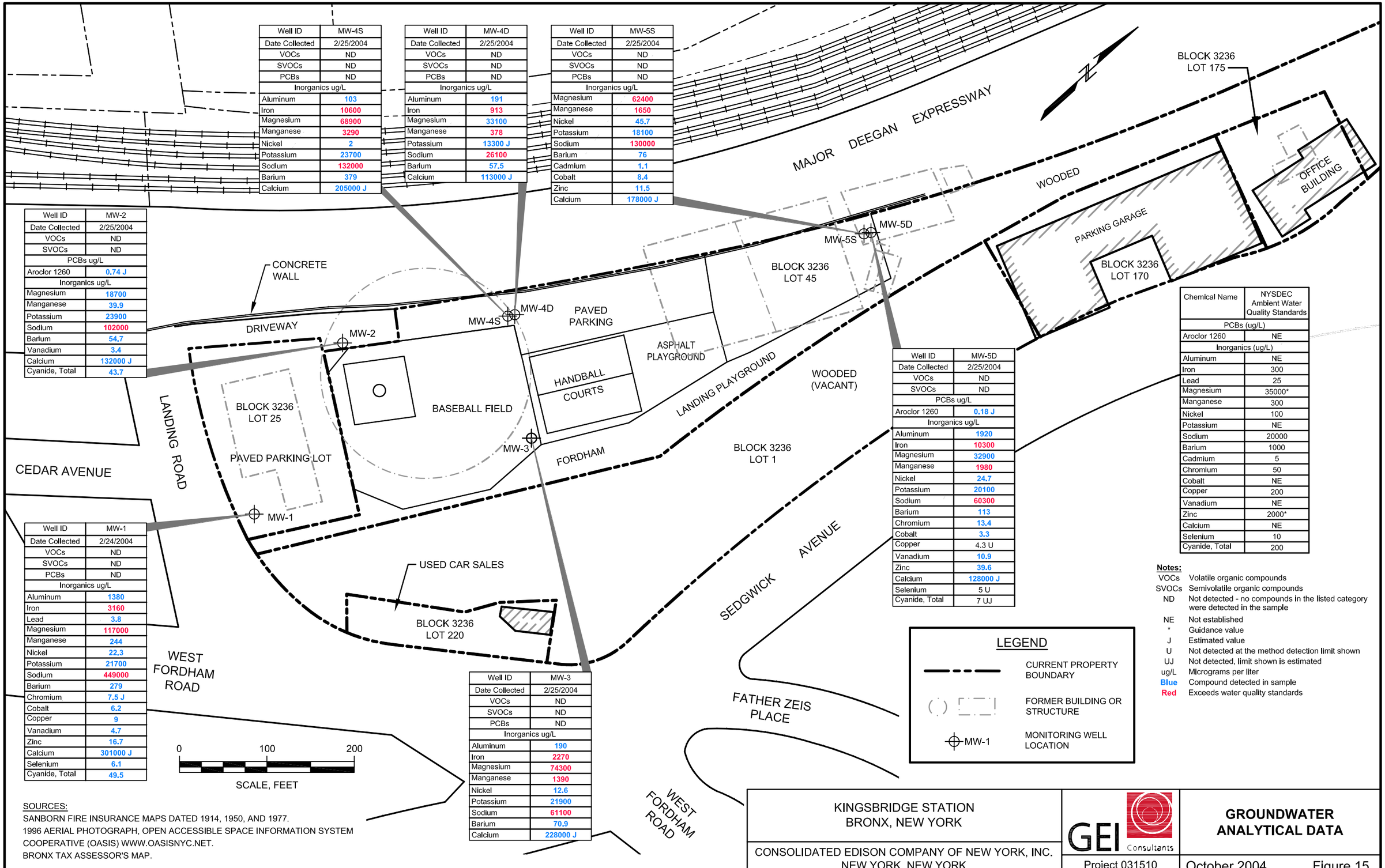
COLCHESTER, CONNECTICUT 06415

**SUBSURFACE SOIL ANALYTICAL DATA**

October 2004 Figure 14

CON_ED\KINGSBRIDGE\031510\REPORT\KING-SUBANAL




| Well ID | MW-4S |
|---|---|
| Date Collected | 2/25/2004 |
| VOCs | ND |
| SVOCs | ND |
| PCBs | ND |
| Inorganics ug/L | |
| Aluminum | 103 |
| Iron | 10600 |
| Magnesium | 68900 |
| Manganese | 3290 |
| Nickel | 2 |
| Potassium | 23700 |
| Sodium | 132000 |
| Barium | 379 |
| Calcium | 205000 J |

| Well ID | MW-4D |
|---|---|
| Date Collected | 2/25/2004 |
| VOCs | ND |
| SVOCs | ND |
| PCBs | ND |
| Inorganics ug/L | |
| Aluminum | 191 |
| Iron | 913 |
| Magnesium | 33100 |
| Manganese | 378 |
| Potassium | 13300 J |
| Sodium | 26100 |
| Barium | 57.5 |
| Calcium | 113000 J |

| Well ID | MW-5S |
|---|---|
| Date Collected | 2/25/2004 |
| VOCs | ND |
| SVOCs | ND |
| PCBs | ND |
| Inorganics ug/L | |
| Magnesium | 62400 |
| Manganese | 1650 |
| Nickel | 45.7 |
| Potassium | 18100 |
| Sodium | 130000 |
| Barium | 76 |
| Cadmium | 1.1 |
| Cobalt | 8.4 |
| Zinc | 11.5 |
| Calcium | 178000 J |

| Well ID | MW-2 |
|---|---|
| Date Collected | 2/25/2004 |
| VOCs | ND |
| SVOCs | ND |
| PCBs ug/L | |
| Aroclor 1260 | 0.74 J |
| Inorganics ug/L | |
| Magnesium | 18700 |
| Manganese | 39.9 |
| Potassium | 23900 |
| Sodium | 102000 |
| Barium | 54.7 |
| Vanadium | 3.4 |
| Calcium | 132000 J |
| Cyanide, Total | 43.7 |

| Well ID | MW-5D |
|---|---|
| Date Collected | 2/25/2004 |
| VOCs | ND |
| SVOCs | ND |
| PCBs ug/L | |
| Aroclor 1260 | 0.18 J |
| Inorganics ug/L | |
| Aluminum | 1920 |
| Iron | 10300 |
| Magnesium | 32900 |
| Manganese | 1980 |
| Nickel | 24.7 |
| Potassium | 20100 |
| Sodium | 60300 |
| Barium | 113 |
| Chromium | 13.4 |
| Cobalt | 3.3 |
| Copper | 4.3 U |
| Vanadium | 10.9 |
| Zinc | 39.6 |
| Calcium | 128000 J |
| Selenium | 5 U |
| Cyanide, Total | 7 UJ |

| Chemical Name | NYSDEC Ambient Water Quality Standards |
|---|---|
| PCBs (ug/L) | |
| Aroclor 1260 | NE |
| Inorganics (ug/L) | |
| Aluminum | NE |
| Iron | 300 |
| Lead | 25 |
| Magnesium | 35000* |
| Manganese | 300 |
| Nickel | 100 |
| Potassium | NE |
| Sodium | 20000 |
| Barium | 1000 |
| Cadmium | 5 |
| Chromium | 50 |
| Cobalt | NE |
| Copper | 200 |
| Vanadium | NE |
| Zinc | 2000* |
| Calcium | NE |
| Selenium | 10 |
| Cyanide, Total | 200 |

| Well ID | MW-1 |
|---|---|
| Date Collected | 2/24/2004 |
| VOCs | ND |
| SVOCs | ND |
| PCBs | ND |
| Inorganics ug/L | |
| Aluminum | 1380 |
| Iron | 3160 |
| Lead | 3.8 |
| Magnesium | 117000 |
| Manganese | 244 |
| Nickel | 22.3 |
| Potassium | 21700 |
| Sodium | 449000 |
| Barium | 279 |
| Chromium | 7.5 J |
| Cobalt | 6.2 |
| Copper | 9 |
| Vanadium | 4.7 |
| Zinc | 16.7 |
| Calcium | 301000 J |
| Selenium | 6.1 |
| Cyanide, Total | 49.5 |

| Well ID | MW-3 |
|---|---|
| Date Collected | 2/25/2004 |
| VOCs | ND |
| SVOCs | ND |
| PCBs | ND |
| Inorganics ug/L | |
| Aluminum | 190 |
| Iron | 2270 |
| Magnesium | 74300 |
| Manganese | 1390 |
| Nickel | 12.6 |
| Potassium | 21900 |
| Sodium | 61100 |
| Barium | 70.9 |
| Calcium | 228000 J |

**Notes:**

| | |
|---|---|
| VOCs | Volatile organic compounds |
| SVOCs | Semivolatile organic compounds |
| ND | Not detected - no compounds in the listed category were detected in the sample |
| NE | Not established |
| * | Guidance value |
| J | Estimated value |
| U | Not detected at the method detection limit shown |
| UJ | Not detected, limit shown is estimated |
| ug/L | Micrograms per liter |
| Blue | Compound detected in sample |
| Red | Exceeds water quality standards |

LEGEND

CURRENT PROPERTY BOUNDARY

FORMER BUILDING OR STRUCTURE

MW-1 MONITORING WELL LOCATION

SOURCES:
SANBORN FIRE INSURANCE MAPS DATED 1914, 1950, AND 1977.
1996 AERIAL PHOTOGRAPH, OPEN ACCESSIBLE SPACE INFORMATION SYSTEM COOPERATIVE (OASIS) WWW.OASISNYC.NET.
BRONX TAX ASSESSOR'S MAP.

KINGSBRIDGE STATION
BRONX, NEW YORK

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
NEW YORK, NEW YORK

GEI Consultants

Project 031510

**GROUNDWATER ANALYTICAL DATA**

October 2004 Figure 15

CON_ED\KINGS\031510\REPORT\KING-GW ANAL

# Appendix A

## Soil Borings and Monitoring Well Logs and Well Purging Records

GEI Consultants, Inc.

# SOIL BORING (B-1)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-1 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 2/4/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 32' 1" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 39.26' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 32' 1" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected WOR - weight of rod
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1<br>2<br>3<br>4<br>5 | | | | | Hand cleared borehole to 5.0' bgs<br><br>0-2" Asphalt<br>2"-5' FILL: Brown fine to coarse SAND, and fine to coarse gravel<br>numerous pieces of brick and slate, no staining, no odors<br><br>** |
| 6<br>7 | 5-7 | NA | 60/4" | 4/4 | FILL: Red, dry, BRICK and ROCK FRAGMENTS, some brown, fine to coarse sand, dense non-cohesive, no odors or visual impacts<br><br>PID= 0 |
| 8<br>9 | 7-9 | NA | 7<br>9<br>20<br>16 | 24/8 | 0-2" - FILL: Brown, dry, poorly sorted FINE to COARSE SAND, trace silt and brick fragments, medium dense, non-cohesive, no odors or visual impacts<br>2-8" - FILL: Brown, dry, poorly sorted FINE to COARSE GRAVEL, some fine to coarse sand, trace brick and concrete fragments, medium dense, non-cohesive PID= 0, 0, 0.1 |
| 10<br>11 | 9-11 | NA | 7<br>7<br>50/0" | 12/0 | No Recovery - drilled through obstruction between 10-13' |
| 12<br>13 | 11-13 | NA | NA | 0/0 | CONCRETE |
| 14<br>15 | 13-15 | NA | 4<br>6<br>1/12" | 24/0 | No Recovery |
| 16<br>17 | 15-17 | NA | 2<br>4<br>50/5" | 17/3 | FILL: Red, dry BRICK FRAGMENTS, pulverized concrete in tip of spoon, no odors or visual impacts<br>PID= 0, 0, 0<br>drilled through concrete obstruction between 16.5-18' |
| 18 | | | | | CONCRETE |
| 19<br>20 | 18-20 | NA | 4<br>1<br>15<br>10 | 24/0 | FILL: CONCRETE FRAGMENTS, no odors or visual impacts<br><br>PID= 0 |
| 21<br>22 | 20-22 | NA | 7<br>6<br>5<br>5 | 24/0 | FILL: Single ROUNDED MEDIUM GRAVEL, no odors or visual impacts |

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# SOIL BORING (B-1)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-1 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 2/4/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 32' 1" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 39.26' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 32' 1" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected WOR - weight of rod
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 23<br>24 | 22-24 | NA | 4<br>4<br>9<br>11 | 24/1 | FILL: Brown, wet, poorly sorted FINE to COARSE SAND, trace silt and brick fragments, loose, non-cohesive, no odors or visual impacts<br><br>PID= 0.3 |
| 25<br>26 | 24-26 | NA | 4<br>50/4" | 10/4 | FILL: Red, wet BRICK FRAGMENTS, little sub-angular fine gravel, non-cohesive, concrete in tip of spoon, faint fuel oil-like odor in concrete, black staining in tip of spoon<br><br>PID= 0.8 |
| 27<br>28 | 26-28 | NA | 1<br>2<br>1/12" | 24/4 | ** FILL: Brown-black, wet, poorly sorted FINE GRAVEL, trace silt and fine to coarse sand, non-cohesive, faint fuel oil-like odor, black staining and slight sheen<br><br>PiD= 4.8, 0.6, 0.2 |
| 29<br>30 | 28-30 | NA | WOR | 24/2 | FILL: Brown, wet, well sorted FINE to MEDIUM SAND, little silt, non-cohesive, faint fuel oil-like odor, very slight sheen<br><br>PID= 0.6 |
| 31<br>32 | 30-32 | 1.3 | WOR | 24/20 | ** FILL: Brown, wet, well sorted, FINE to MEDIUM SAND, trace silt and coarse sand, loose, semi-cohesive, no odors or visual impacts<br><br>PID= 0.2, 0.2, 0.2 |
| 33<br>34 | 32-34 | NA | 100/1" | 1/<1 | FILL: CONCRETE - several attempts made to drive spoon, augered to 33.5', drove spoon - CONCRETE in tip of spoon |

Spoon and auger refusal at 32' 1"
End of boring

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# SOIL BORING (B-2)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-2 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 2/3/04, 2/4/04 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 39' 8" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 37.64' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 39' 8" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available  Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1<br>2<br>3<br>4<br>5 | | | | | Hand cleared borehole to 5.0' bgs<br><br>0-2" Asphalt<br>2"-2' FILL: Demolition debris (concrete and brick)<br>2'-5' FILL: Brown fine to coarse SAND, and fine to coarse gravel numerous pieces of brick, no staining, no odors<br>** |
| 6<br>7 | 5-7 | NA | 8<br>7<br>6<br>9 | 24/13 | 0-2" - FILL: BRICK FRAGMENT<br>2-4" - FILL: Brown, poorly sorted MEDIUM to COARSE SAND, trace well rounded fine gravel and silt, loose, non-cohesive, brick fragments, no odors or visual impacts<br>4-13" - FILL: Black, dry ASPHALT and ANGULAR GRAVEL, some sand, loose, non-cohesive, no odors or visual impacts PID= 0, 0, 0 |
| 8<br>9 | 7-9 | 1.2 | 34<br>37<br>11<br>7 | 24/13 | 0-2" - Brown, dry, poorly sorted MEDIUM SAND, some angular fine to medium gravel, loose, non-cohesive, no odors or visual impacts, 3" of tan pulverized rock<br>7-9" - FILL Brown, dry FINE SAND, some silt and angular medium gravel<br>9-13" - FILL: Black and gray rock fragments, brick in tip |
| 10<br>11 | 9-11 | NA | 4<br>3<br>4<br>4 | 24/8 | 0-2" - FILL: Light tan SANDSTONE FRAGMENTS<br>2-8" - Black-brown, dry, poorly sorted ANGULAR MEDIUM GRAVEL, some medium sand, trace silt, loose, non-cohesive, no odors or visual impacts |
| 12<br>13 | 11-13 | 1.7 | 5<br>5<br>6<br>5 | 24/18 | 0-8" FILL: Same as above<br>9-18" - Brown-gray, dry, poorly sorted FINE SAND, some silt, trace well-rounded fine gravel and brick fragments, loose, moderately cohesive, no odors or visual impacts |
| 14<br>15 | 13-15 | NA | 7<br>7<br>13<br>8 | 24/6 | FILL: Gray, moist, ANGULAR FINE to MEDIUM GRAVEL, trace fine sand and silt, some black and light tan gravel, loose, non-cohesive, no odors or visual impacts |
| 16<br>17 | 15-17 | NA | 3<br>2<br>3<br>5 | 24/12 | FILL: Gray, moist, poorly sorted FINE to MEDIUM SAND, some fine to medium gravel, trace wood and plastic pieces, loose, non-cohesive, no odor or visual impacts |

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# SOIL BORING (B-2)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-2 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 2/3/04, 2/4/04 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 39' 8" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 37.64' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 39' 8" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 18<br>19 | 17-19 | NA | 22<br>22<br>6<br>7 | 24/5 | FILL: Gray, moist, poorly sorted FINE to MEDIUM SAND, trace fine gravel, silt, plastic and brick, loose, non-cohesive, tan and black stone in tip, no odor or visual impacts |
| 20<br>21 | 19-21 | NA | 50/4" | 4/0 | No Recovery - wood piece in tip of spoon |
| 22<br>23 | 21-23 | NA | 4<br>4<br>5<br>4 | 24/17 | FILL: Brown-gray (layered), wet, poorly sorted FINE to MEDIUM SAND, some silt, loose, ** non-cohesive, no odors or visual impacts<br>water at 21' |
| 24<br>25 | 23-25 | NA | NA | NA | Center bit gets stuck in augur, pieces of tire coming up with cuttings<br>Move to next interval |
| 26<br>27 | 25-27 | NA | 9<br>12<br>12<br>7 | 24/10 | FILL: Brown, wet, poorly sorted FINE SAND and SILT, dense, moderately cohesive<br>no odors or visual impacts |
| 28<br>29 | 27-29 | 2.2 | 4<br>3<br>3<br>2 | 24/11 | FILL: Brown, wet, poorly sorted FINE to MEDIUM SAND, some silt, trace well rounded fine gravel, moderately dense, non-cohesive, no odors or visual impacts |
| 30<br>31 | 29-31 | 2.7 | 2<br>3<br>8<br>10 | 24/14 | FILL: Brown, wet, poorly sorted MEDIUM SAND, trace silt and fine gravel, dense, non-cohesive, no odors or visual impacts |
| 32<br>33 | 31-33 | 2.2 | 10<br>19<br>19<br>20 | 24/24 | Brown, wet, poorly sorted FINE to MEDIUM SAND, some well rounded fine to medium gravel, trace coarse sand and silt, dense, non-cohesive, no odors or visual impacts |

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# SOIL BORING (B-2)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-2 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 2/3/04, 2/4/04 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 39' 8" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 37.64' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 39' 8" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 34<br>35 | 33-35 | 3.9 | 7<br>16<br>14<br>25 | 24/12 | Brown, moist, poorly sorted FINE to MEDIUM SAND, some silt and angular fine to medium gravel, trace coarse sand, dense, non-cohesive, no odors or visual impacts |
| 36<br>37 | 35-37 | 8 | 5<br>24<br>44<br>40 | 24/2 | Same as above, no odors or visual impacts |
| 38 | 37-38 | NA | NA | NA | COBBLE from 37-38' |
| 39<br>40 | 38-40 | NA | 16<br>25<br>35<br>50/2" | 20/13 | ** Black-gray, moist, weathered bedrock, some fine to medium sand with mica flecks, dense, non-cohesive, no odors or visual impacts |

Spoon and auger refusal at 39' 8"
End of boring

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# SOIL BORING (B-3)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-3 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/29/2004, 1/30/04 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 10' 4" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 14.73' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 10' 4" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available  Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | | Soil/Geologic Description |
|---|---|---|---|---|---|---|
| 1 | | | | | | Hand cleared borehole to 5.0' bgs |
| 2 | | | | | | 0-1.5' FILL: Brown SAND, some silt, no odors, no staining<br>1.5'-5' FILL: Brown SAND, some silt, little gravel, large cobbles at bottom, no odors, no staining |
| 3 | | | | | ** | |
| 4 | | | | | | PID 0.0 ppm |
| 5 | | | | | | |
| 6 | 5-7 | 1.8 | 2<br>2<br>3 | 24/13 | ** | FILL: Brown, moist, poorly sorted FINE to MEDIUM SAND, some silt, trace well rounded fine gravel and coarse sand, loose, non-cohesive, no odors or visual impacts<br>water at 6' |
| 7 | | | 4 | | | PID= 0, 0, 0 |
| 8 | 7-9 | 1.4 | 3<br>2<br>2 | 24/10 | | FILL: Brown-dark brown, wet, poorly sorted FINE to MEDIUM SAND, some silt, trace fine to medium gravel and brick fragments, loose, non-cohesive, no odors or visual impacts |
| 9 | | | 4 | | | PID= 0, 0, 0 |
| 10 | 9-11 | 0 | 12<br>15<br>50/4" | 16/12 | ** | FILL: Gray-black-dark brown, wet MEDIUM SAND, some angular fine-medium gravel, trace silt, loose, non-cohesive, no odors of visual impacts<br>Black rock with mica flecks in tip of spoon -- probable blast rock |
| 11 | | | | | | PID= 0, 0, 0 |

Spoon and auger refusal at 10' 4"
End of boring

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# SOIL BORING (B-4)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-4 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Dan Burke | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/27/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 28.0' | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 14.86' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 28' |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available  Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1 | | | | | Hand cleared borehole to 5.0' bgs |
| 2 | | | | | 0-1.5' FILL: Brown SAND, some silt, little gravel<br>1.5'-2.5' FILL: Brown and black SAND, some silt and gravel, trace brick and coal pieces, no odors, no staining |
| 3 | | | | | 2.5'-2.75' FILL: concrete |
| 4 | | | | | ** 2.75'- 5' FILL: Black stained SAND, some silt and gravel, trace brick and wood (approximately 30% of sand is stained), no odors<br>PID= 2.0 ppm |
| 5 | | | | | |
| 6 | 5-7 | 0 | 4<br>4<br>4<br>7 | 24/13 | 0-7" - FILL: Brown, dry, loose, FINE to COARSE SAND, some sub-angular gravel, trace silt, clinker/slag, and brick fragments, no odors or visual impacts, rock in tip of spoon<br>7-8" - FILL: Black clinker/slag |
| 7 | | | | | 8-13" - FILL: Brown, moist, poorly sorted FINE to MEDIUM SAND, some sub-angular fine gravel, little wood pulp and brick fragments, non-cohesive  PID= 0, 0, 0, 0 |
| 8 | 7-9 | 0.1 | 14<br>5<br>3<br>4 | 24/3 | FILL: Brown-dark gray, moist, FINE SAND, some silt and fine to medium sub-angular gravel, faint fuel oil-like odor in tip of spoon, no visual impacts<br>PID= 0.1, 0 |
| 9 | | | | | |
| 10 | 9-11 | 0 | 50/5" | 5/2 | FILL: CONCRETE, brick, clinker/slag, some fine to coarse sand and gravel, moist, ** faint fuel oil-like odor, no visual contamination<br>PID= 0, 0 |
| 11 | | | | | concrete encountered at 10' |
| 12 | 11-13 | | | | |
| 13 | | | | | concrete cleared at 13' |
| 14 | 13-15 | 0 | 15<br>9<br>9<br>11 | 24/16 | 0-11" - FILL: Brown, wet, poorly sorted FINE to COARSE SAND, some brick, gravel, and clinker/slag, non-cohesive, no odors or visual impacts<br>11-16" - Concrete aggregate<br>PID= 0, 0 |
| 15 | | | | | |
| 16 | 15-17 | 0 | 22<br>50/4" | 10/9 | 0-6" - FILL: BRICK and FINE to COARSE SAND, some fine gravel, trace silt, ** poorly sorted, non-cohesive, faint fuel oil-like odor, no visual impacts<br>6-9" - FILL: CONCRETE AGGREGATE PIECES  PID= 0, 0, 0 |
| 17 | | | | | concrete encountered at 16' |

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# SOIL BORING (B-4)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-4 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Dan Burke | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/27/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 28.0' | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 14.86' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 28' |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available  Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 18<br>19<br>20 | 17-20 | NA | NA | NA | drilled through concrete between 16-20' |
| 21<br>22 | 20-22 | 0.8 | 14<br>11<br>17<br>16 | 24/8 | Light brown-gray, moist, well sorted, FINE to COARSE SAND, trace silt, rock fragments throughout with quartz grains, black weathered rock throughout, dense<br>no odors or visual impacts<br>PID= 0, 0, 0 |
| 23<br>24 | 22-24 | 0.0 | 16<br>25<br>30<br>33 | 24/11 | Light brown-gray, moist FINE to COARSE SAND, trace silt, very dense,<br>** black weathered rock fragments throughout, very dense, weathered rock in the tip of the spoon<br>no odors or visual impacts<br>PID= 0, 0, 0 |
| 25<br>26 | 24-26 | 0.0 | 50/2" | 2/2 | Black heavily weathered bedrock with quartz fragments and mica flecks<br>weathered black rock with mica flecks in tip of spoon<br>no odors or visual impacts<br>PID= 0, 0, 0 |
| 27<br>28 | | | | | drilled through heavily weathered rock to 28' |

End of boring at 28.0'

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# SOIL BORING (B-5)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-5 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/19/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 15' 3" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 14.87' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 15' 3" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available  Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1 | | | | | Hand cleared borehole to 5.0' bgs |
| 2 | | | | | 0-2" Asphalt<br>2"-6" FILL: Gray and brown SAND, some silt, trace gravel |
| 3 | | | | | 0.5'-1.5' FILL: Gray and brown SAND, some silt, trace gravel and brick<br>1.5'- 2.5' FILL: Pieces of rock (cobbles) |
| 4 | | | | | ** 2..5'-5' FILL: Dark brown SAND, some silt, little gravel, trace brick<br>no odors or visual impacts |
| 5 | 4-6 | 6.2 | 3<br>2 | 24/7 | 0-2" - Asphalt cold patch<br>2-4" - FILL: Drillers Sand |
| 6 | | | 2<br>13 | | 4-7" - FILL: Brown, dry, poorly sorted MEDIUM SAND, some fine sand, trace brick fragments, loose, non-cohesive, no odors or visual impacts PID=0.3 |
| 7 | 6-8 | 16.0 | 6<br>31 | 24/15 | 0-2" - Asphalt cold patch PID=0.4, 0.2, 0.1<br>2-6" - FILL: Brown, dry, poorly sorted MEDIUM to COARSE SAND, trace fine sand, loose, |
| 8 | | | 42<br>21 | | 6-10" - FILL: Brown, moist, well sorted FINE SAND, some silt, trace clay, dense, cohesive<br>10-15" - FILL: Brown, dry, poorly sorted MEDIUM SAND, some rock and brick fragments |
| 9 | 8-10 | NA | 11<br>10 | 24/10 | FILL: Gray-black, wet, poorly sorted MEDIUM SAND, some coarse gravel and brick<br>** fragments, trace fine sand, loose, non-cohesive, wood piece with faint fuel oil-like odor, |
| 10 | | | 31<br>50 | | no other odors or visual impacts<br>PID=0.1 |
| 11 | 10-12 | 3.8 | 50/4" | 4/4 | FILL: Dark brown, wet, poorly sorted MEDIUM to COARSE GRAVEL, some medium sand and brick fragments, loose, non-cohesive, no odors or visual impacts |
| 12 | | | | | PID=0 |
| 13 | 12-14 | 2.8 | 6<br>2 | 24/4 | FILL: Dark brown, wet, poorly sorted FINE to COARSE GRAVEL, some fine sand, trace<br>** brick fragments and wood pieces, loose, non-cohesive, no odors or visual impacts |
| 14 | | | 4<br>6 | | PID=0 |
| 15 | 14-16 | NA | 3<br>9 | 15/7 | FILL: Brown, wet, poorly sorted MEDIUM SAND, little fine sand, trace fine gravel, loose,<br>** non-cohesive, no odors or visual impacts, grey rock fragments in tip of spoon |
| 16 | | | 50/3" | | PID=0 |

Spoon and auger refusal at 15' 3"
End of boring

GEI Consultants, Inc.

# SOIL BORING (B-6)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-6A | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/21/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 29.0' | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 19.25' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 29' |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1 | | | | | Hand cleared borehole to 5.0' bgs |
| 2 | | | | | 0-2" Asphalt<br>2"-6" FILL: Brown SAND and gravel, some silt and pieces of brick<br>0.5'-1.5' FILL: Brown SAND, some silt trace gravel |
| 3 | | | | | ** 1.5'-5.5' FILL: Dark brown SAND, some silt and gravel, few cobbles and brick pieces, no staining, no odors |
| 4 | | | | | PID= 0.0 |
| 5 | 4-6 | 23.5 | 3<br>3<br>3 | 24/6 | FILL: Brown, dry, poorly sorted FINE to MEDIUM SAND, some fine sand, trace angular medium gravel and brick fragments, medium dense, non-cohesive no odors or visual impacts |
| 6 | | | 4 | | PID=0, 0.1 |
| 7 | 6-8 | 19.5 | 10<br>11<br>17 | 24/17 | 0-8" - FILL: Same as above<br>8-17" - FILL: Dark brown-black, dry, poorly sorted MEDIUM SAND, some fine sand and brick fragments, trace organic material, loose, moderately cohesive, |
| 8 | | | 23 | | no odors or visual impacts PID=0.6, 0, 0 |
| 9 | 8-10 | 0.6 | 47<br>50/5" | 11/9 | 0-6" - FILL: Brown, moist, poorly sorted MEDIUM SAND, some angular medium gravel and fine sand, trace fine gravel, loose, non-cohesive, no odors or visual impacts<br>6-9" - FILL: White-gray, dry pulverized rock fragments, no odors or visual impacts |
| 10 | | | | | PID=0.3, 0 |
| 11 | 10-12 | 2.3 | 10<br>5<br>4 | 24/14 | 0-4" - FILL: Brown, wet, well sorted FINE SAND, some clay, medium dense, cohesive<br>** 4-8" - Gray, moist, well sorted MEDIUM to COARSE SAND, trace fine sand, dense<br>8-10" - Light brown, wet, well sorted MEDIUM to COARSE SAND, some fine sand |
| 12 | | | 5 | | 10-14" - Brown, wet FINE SAND, some silt, loose, no odors or visual impacts, PID=0, 0.1 |
| 13 | 12-14 | 3.2 | 2<br>2<br>2 | 24/22 | Dark-light brown, wet, well sorted FINE SAND and CLAY, trace organic material, loose, cohesive, no odors or visual impacts |
| 14 | | | 2 | | PID=2, 2, 2, 2 |
| 15 | 14-16 | 3.8 | 1<br>2<br>4 | 22/19 | 0-5" - Same as above<br>5-19" - Reddish brown, wet, well sorted MEDIUM SAND, little fine sand and organic material, loose, non-cohesive, no odors or visual impacts |
| 16 | | | 50/2" | | PID=0 |

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# SOIL BORING (B-6)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-6A | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/21/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 29.0' | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 19.25' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 29' |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available  Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 17<br>18 | 16-18 | NA | 50/1" | 1/1 | Brown, wet, poorly sorted, SAND and GRAVEL, very loose, non-cohesive, no odors or visual impacts<br>PID=0 |
| 19<br>20 | 18-20 | 0.9 | 5<br>4<br>7<br>9 | 24/10 | 0-1" - Brown, wet, well sorted COARSE SAND, trace fine sand, loose, non-cohesive,<br>1-5" - Brown, wet, well sorted MEDIUM SAND, trace fine and coarse sand, loose<br>5-7" - Black rock with quartz and mica, no odors or visual impacts throughout spoon<br>7-10" - Brown, wet, well sorted FINE SAND and CLAY, loose, cohesive PID=0 |
| 21<br>22 | 20-22 | 2.0 | 11<br>17<br>50/4" | 16/16 | 0-11" - Brown, wet, poorly sorted MEDIUM SAND, some coarse sand and gravel, trace fine sand, dense, moderately cohesive, no odors or visual impacts<br>11-16" - Balck, moist, weathered rock with mica flecks, some fine sand<br>PID=0 |
| 23<br>24 | 22-24 | 3.8 | 17<br>40<br>50/3" | 15/15 | 0-6" - Brown, wet, well sorted, MEDIUM to COARSE SAND, some fine sand, loose, non-cohesive, no odors or visual impacts PID=0<br>6-10" - Black, moist, FINE SAND and weathered rock, dense, non-cohesive<br>10-15" - Brown, wet, well sorted FINE SAND and SILT, dense, no odors or visual impacts |
| 25<br>26 | 24-26 | NA | 15<br>31<br>40<br>25 | 24/13 | ** Brown, moist, poorly sorted FINE to COARSE SAND, some fine sand, little well rounded and angular medium gravel, dense, moderately cohesive, no odors or visual impacts<br>PID=0, 0.1 |
| 27<br>28 | 26-28 | 2.9 | 50/1" | 1/1 | Brown, wet, poorly sorted FINE to COARSE SAND, trace medium gravel, non-cohesive, no odors or visual impacts<br>PID=0 |
| 29<br>30 | 28-30 | 0.1 | 31<br>42<br>50/0" | 12/6 | Black, dry, weathered rock with quartz veins, trace fine to medium sand, very dense, cohesive, no odors or visual impacts<br>PID=0 |

Spoon and auger refusal at 29.0'
End of boring

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# SOIL BORING (B-7)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-7 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/16/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 49.0' | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 19.47' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 49' |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

Notes: ** Analytical sample collected
NA - Not Available  Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1<br>2<br>3<br>4 | | | | | Hand cleared borehole to 5.0' bgs<br><br>0-2" Asphalt<br>2"-6" FILL: Brown SAND, some gravel, little silts<br>.5'-5' FILL: Brown SAND, some silt and gravel, trace clay,<br>** no odors, no staining, dry |
| 5<br>6 | 4-6 | 16.5 | 3<br>3<br>8<br>8 | 24/5 | FILL: Brown, dry, poorly sorted FINE to COARSE SAND, some asphalt pieces, trace silt, loose, non-cohesive, no odors or visual impacts<br><br>PID=0.1, 0, 3, 0 |
| 7<br>8 | 6-8 | 10.4 | 21<br>22<br>23<br>18 | 24/7 | FILL: 0-2" - Brown, dry, poorly sorted FINE to COARSE SAND, some rounded fine gravel<br>2-4" - Black rock fragments with mica flecks<br>4-7" - Light brown, dry, poorly sorted FINE to COARSE SAND, some sub-angular fine gravel, trace silt, dense, non-cohesive, no odors or visual impacts PID=11.9, 1.6, 2.4 |
| 9<br>10 | 8-10 | 10.1 | 5<br>8<br>12<br>9 | 24/3 | FILL: Brown, dry, poorly sorted FINE to COARSE SAND, some well-rounded fine gravel, quartz rock fragment in tip, no odors or visual impacts<br><br>PID=NR |
| 11<br>12 | 10-12 | 0.9 | 3<br>5<br>2<br>5 | 24/5 | FILL: Same as above, no odors or visual impacts<br><br>PID=NR |
| 13<br>14 | 12-14 | 6.6 | 2<br>2<br>4<br>6 | 24/11 | Brown, moist, well sorted FINE to COARSE SAND, some silt and sub-angular fine gravel, semi coheisve, sands grade to silty sand at tip of spoon, no odors or visual impacts<br><br>PID=0.1, 0, 0.1, 0.1 |
| 15<br>16 | 14-16 | 6.7 | NA | 16 | 0-5" - Brown, moist, well sorted FINE to COARSE SAND, little rounded fine gravel, trace silt, loose, non-cohesive, no odors or visual impacts<br>5-16" - Brown, moist, well sorted, SILTY SAND, trace clay, semi-cohesive, wet in tip of spoon, no odors or visual impacts PID=0.5, 0.1, 0.2, 0.1 |

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# SOIL BORING (B-7)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-7 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/16/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 49.0' | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 19.47' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 49' |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 17<br>18 | 16-18 | 1.9 | 7<br>8<br>8<br>10 | 24/22 | 0-2" - Brown, moist FINE to COARSE SAND, trace sub-rounded fine gravel, loose<br>** 2-22" - Brown, wet, well sorted FINE SAND, some silt, semi-cohesive, no odors or visual impacts<br>PID=0.5, 0.4, 0.4, 2.6 |
| 19<br>20 | 18-20 | 4.2 | 3<br>9<br>12<br>37 | 24/18 | Brown, wet, well sorted FINE SAND, some silt, trace coarse sand, dense, semi-cohesive, no odors or visual impacts<br>PID=0.4, 0.6, 0.6, 0.2 |
| 21<br>22 | 20-22 | 1.1 | 8<br>27<br>25<br>50/4" | 22/17 | 0-5" - Brown, wet, well sorted FINE SAND, some silt, semi-cohesive<br>5-17" - Light brown-brown, wet, well sorted FINE to MEDIUM SAND, some silt, little sub-rounded fine gravel, dense, semi-cohesive, no odors of visual impacts<br>PID=0.2, 0.4, 0.6, 0.6 |
| 23<br>24 | 22-24 | 1.8 | 12<br>19<br>34<br>40 | 24/24 | 0-10" - Brown, wet, well sorted FINE to MEDIUM SAND, some silt and rounded fine gravel, trace coarse sand, no odors or visual impacts<br>10-24" - Brown, wet, well sorted FINE SAND and SILT, some rounded fine gravel, semi-cohesive, no odors or visual impacts PID=0.2, 0.3, 0.4, 0.4 |
| 25<br>26 | 24-26 | 0.8 | 25<br>46<br>50/4" | 16/14 | 0-4" - Brown, wet, COARSE SAND, some fine sand, non-cohesive,<br>4-14" - Light brown, moist, well sorted FINE to COARSE SAND, some silt, dense, semi-cohesive, no odors or visual impacts<br>PID=0.1, 0.1, 0.2, 0.3 |
| 27<br>28 | 26-28 | 0.8 | 25<br>36<br>22<br>21 | 24/13 | 0-8" - Brown, moist FINE to MEDIUM SAND, some coarse sand and sub-angular fine gravel, little silt, no odors or visual impacts<br>8-13" - Black weathered bedrock with mica flecks, some brown, moist fine to medium sand and sub-angular fine gravel, dense, no odors or visual impacts PID=0.3, 0.2, 0.3 |
| 29<br>30 | 28-30 | NA | NA | 0 | No Recovery |
| 31<br>32 | 30-32 | 2.4 | 39<br>23<br>37<br>40 | 24/16 | 0-2" - Light brown-gray, moist FINE to COARSE SAND, some silt, trace cobbles and sub-angular fine gravel, no odors or visual impacts<br>2-11" - Orange-brown, poorly sorted CLAY, SILT, and FINE to COARSE SAND, dense<br>11-16" - White-light gray, weathered quartz bedrock PID=0.3, 0.2, 0.2, 0.4 |

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# SOIL BORING (B-7)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-7 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/16/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 49.0' | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 19.47' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 49' |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 33<br>34 | 32-34 | 1.0 | 37<br>38<br>41<br>50/0" | 18/16 | 0-10" - Reddish-brown, moist, SILT and CLAY, some mica flecks and fine to coarse sand, semi-cohesive, no odors or visual impacts<br>10-16" - White-gray weathered quartz bedrock<br>PID=0.3, 0.2, 0.3 |
| 35<br>36 | 34-36 | 0.7 | 48<br>49<br>37<br>50/2" | 20/19 | 0-3" - Grey-brown, moist CLAY, some mica flecks, no odors or visual impacts<br>3-19" - White-gray, weathered quartz bedrock<br>PID=0.3, 0.3, 0.3, 0.2 |
| 37<br>38 | 36-38 | NA | 21<br>23<br>49<br>50/4" | 22/0 | No Recovery |
| 39<br>40 | 38-40 | 0.7 | 20<br>39<br>46<br>50/3" | 21/11 | Brown-black, heavily weathered bedrock, some silt, clay, and fine sand with mica flecks, dense, semi-cohesive, no odors or visual impacts<br>PID=0.3, 0.3, 0.2, 0.4 |
| 41<br>42 | 40-42 | 0.8 | 21<br>22<br>38<br>50/3" | 21/19 | Reddish-brown, moist, well sorted CLAY, some silt, dense, cohesive, no odors or visual impacts<br>PID=0.3, 0.4, 0.3, 0.3 |
| 43<br>44 | 42-44 | 0.7 | 25<br>41<br>29<br>50/5" | 23/18 | 0-4" - Brown, moist CLAY, some silt and mica flecks, dense, cohesive<br>4-18" - Brown-gray, moist, heavily weathered bedrock, some CLAY and SILT, dense, cohesive, no odors or visual impacts<br>PID=0.3, 0.3, 0.3, 0.3 |

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# SOIL BORING (B-7)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-7 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/16/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 49.0' | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 19.47' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 49' |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 45 | 44-46 | 0.8 | 25<br>39<br>44<br>50/4" | 22/18 | 0-8" - Dark gray-brown, moist, well sorted CLAY and SILT, dense, semi-cohesive<br>8-18" - Dark gray, moist weathered bedrock, some clay with mica flecks, very dense, no odors or visual impacts<br>PID=0.5, 0.4, 0.4, 0.2 |
| 46<br>47 | 46-48 | NA | 50/3" | 3/3 | Dark gray weathered rock with mica flecks and fine quartz grains, very dense<br>** Spoon refusal at 46' 3" |
| 48 | | | | | PID=0.3, 0.4, 0.3 |

Auger refusal at 49.0'
End of boring

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# SOIL BORING (B-8)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-8 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/14/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 32' 1" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 21.31' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 32' 1" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available  Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1 | | | | | Hand cleared borehole to 5.0' bgs |
| 2 | | | | | 0-2" Asphalt<br>2"-6" FILL Brown and gray SAND, some silt and gravel |
| 3 | | | | | 0.5-5' FILL: Brown and black SAND, gravel and brick pieces, little silt, no odors, no staining |
| 4 | | | | | ** PID= 0.1 ppm |
| 5 | 4-6 | 1.8 | 10<br>13<br>16<br>33 | 24/12 | 0-2" - asphalt cold patch<br>2-5"- SAND (fill from clearing hole)<br>5-12" - FILL: brown, dry, well sorted SAND, some silt, trace fine gravel, loose, moderately cohesive, no odors or visual impacts PID= 0.4, 0.3 |
| 6 | | | | | |
| 7 | 6-8 | 16.1 | 22<br>16<br>15<br>35 | 24/7 | FILL: brown-gray and black, dry, well sorted SAND and GRAVEL, loose, non-cohesive, no odors or visual impacts |
| 8 | | | | | PID=0.3 |
| 9 | 8-10 | 3.6 | 10<br>26<br>41<br>12 | 24/9 | FILL: brown and black, dry, well sorted SAND, trace silt, trace coal, no odors or visual impacts |
| 10 | | | | | PID=0.2, 0.4 |
| 11 | 10-12 | 2.8 | 12<br>17<br>19<br>5 | 24/6 | Brown, dry, well sorted SAND, trace silt, loose, non-cohesive, no odors or visual impacts |
| 12 | | | | | PID=0.9, 1 |
| 13 | 12-14 | NA | 50/3" | 3/3 | Brown, wet, well sorted SAND, trace silt and fine gravel, non-cohesive, no odors or visual ** impacts, thin layer of black sand with quartz in tip of spoon |
| 14 | | | | | PID=0.4, 0.4 |
| 15 | 14-16 | 1.7 | 50<br>50/2" | 8/6 | Brown and black, wet, poorly sorted SAND, trace silt, dense, non-cohesive, no odors or visual impacts, black sand contains quartz |
| 16 | | | | | PID=0.4, 0.3 |

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# SOIL BORING (B-8)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-8 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/14/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 32' 1" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 21.31' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 32' 1" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| | | | 5 | | Brown and gray, wet, well sorted CLAY and SILT, trace fine sand, dense, cohesive, |
| 17 | 16-18 | 4.5 | 7 | 24/24 | no odors or visual impacts |
| | | | 8 | | |
| 18 | | | 14 | | PID=0.4, 0.3, 0.3, 0.4 |
| | | | 10 | | 0-5" - Same as above |
| 19 | 18-20 | 2.3 | 15 | 24/18 | 5-18" - Brown, wet, well sorted FINE SAND and SILT, dense, cohesive, |
| | | | 19 | | no odors or visual impacts |
| 20 | | | 16 | | PID=0.4 |
| | | | 7 | | 0-6" - Same as above |
| 21 | 20-22 | 6.3 | 5 | 24/24 | 6-18" - Orange-brown, wet, well sorted SAND, little silt, loose, non-cohesive, |
| | | | 25 | | no odors or visual impacts |
| 22 | | | 36 | | PID=0.4, 0.5 |
| | | | 13 | | 0-10" - Same as above, no odors or visual impacts |
| 23 | 22-24 | 3.7 | 16 | 24/24 | 10-12" - Black, well sorted quartz SAND, loose, non-cohesive |
| | | | 18 | | 12-16" - Brown, wet, poorly sorted SAND and GRAVEL, loose, non-cohesive |
| 24 | | | 24 | | 16-24" - Reddish brown, wet, well sorted SILT, trace clay, dense, cohesive PID= 0.4, 0.5 |
| | | | | | Reddish-brown, moist, well sorted, varved SILT, trace clay, dense, cohesive, |
| 25 | 24-26 | 3.5 | NA | 24/20 | no odors or visual impacts |
| 26 | | | | | PID=0.1, 0.3 |
| | | | 10 | | Reddish brown - gray, moist , well sorted, varved CLAY, some silt, dense, cohesive, |
| 27 | 26-28 | 4.2 | 10 | 24/24 | no odors or visual impacts |
| | | | 10 | | |
| 28 | | | 10 | | PID=0, 0.1 |
| | | | 12 | | Brown, moist, well sorted CLAY, some silt, dense, cohesive, 0.5" sand lens at 13", |
| 29 | 28-30 | 4.7 | 14 | 24/20 | no odors or visual impacts |
| | | | 16 | | |
| 30 | | | 12 | | PID=0 |
| | | | 11 | | 0-10" - Brown, wet, well sorted MEDIUM SAND, trace fine sand, loose, non-cohesive, |
| 31 | 30-32 | 2.8 | 12 | 24/23 | ** no odors or visual impacts |
| | | | 9 | | 10-23" - Brown, wet, well sorted SILT, some clay, dense, cohesive, |
| 32 | | | 11 | | no odors or visual impacts PID=0 |

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# SOIL BORING (B-8)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-8 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/14/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 32' 1" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 21.31' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 32' 1" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 33 | 32-34 | NA | 50/1" | 1/0 | |
| 34 | | | | | |

Spoon and auger refusal at 32' 1"
End of boring

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# SOIL BORING (B-9)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-9 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Dan Burke | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/30/2004, 2/2/04 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 21' 2" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 14.90' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 21' 2" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1<br>2<br>3<br>4<br>5 | | | | | Hand cleared borehole to 5.0' bgs<br><br>0-10" FILL: Brown to dark grey fine to coarse SAND, little subangular gravel<br>10"-14" FILL: Light tan coarse SAND<br>14"-5' FILL: Dark brown SAND, some sub-angular gravel, dry, no odors, no staining<br>wet at 4.5 feet bgs |
| 6<br>7 | 5-7 | NA | 9<br>4<br>5<br>4 | 24/5 | FILL: Brown, wet, poorly sorted FINE to COARSE SAND, some silt and sub-angular<br>** gravel, medium dense, non-cohesive, concrete in tip of spoon,<br>no odors or visual impacts<br>PID= 0 |
| 8<br>9 | 7-9 | NA | 3<br>3<br>2<br>7 | 24/0 | No Recovery |
| 10<br>11 | 9-11 | 2.2 | 2<br>3<br>3<br>15 | 24/1 | FILL: Brown-gray, wet, poorly sorted FINE to MEDIUM SAND, some silt, one rounded<br>cobble, wood fibers, loose, non-cohesive, no odors or visual impacts<br><br>PID= 0 |
| 12<br>13 | 11-13 | 1.1 | 2<br>2<br>2<br>3 | 24/10 | 0-7" - FILL: Brown, wet, well sorted FINE to COARSE SAND, trace silt, loose,<br>non-cohesive, no odors or visual impacts<br>7-8" - Wood fibers<br>8-10" - FILL: Brown, wet, well sorted SAND and SILT, loose, semi-cohesive, PID= 0 |
| 14<br>15 | 13-15 | NA | 3<br>3<br>6<br>4 | 24/14 | 0-14" - FILL: Brown, wet, well sorted FINE to MDIUM SAND, trace coarse sand<br>** and silt, loose, non-cohesive, no odors or visual impacts<br><br>PID= 0 |
| 16<br>17 | 15-17 | NA | 50/2" | 2/1 | CONCRETE<br>drilled through concrete to 21', still concrete, drove another spoon<br><br>PID= 0 |

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# SOIL BORING (B-9)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-9 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Dan Burke | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/30/2004, 2/2/04 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 21' 2" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 14.90' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 21' 2" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 18<br>19 | 17-19 | NA | NA | NA | CONCRETE |
| 20<br>21 | 19-21 | NA | NA | NA | CONCRETE |
| 22<br>23 | 21-23 | NA | 150/2" | 2/2 | 0-2" - CONCRETE, no odors, no visual contamination<br>PID= 0 |

Over 6' of concrete encountered
End of boring at 21' 2"

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# SOIL BORING/WELL LOG (MW-1)

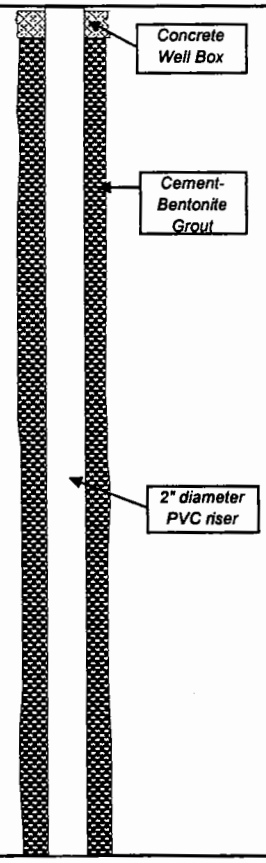
| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-1 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 2/5/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 31' 11" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 39.18' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 38.72' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 19.0' | **Bentonite Seal (from - to):** | 15.0' - 17.0' |
| **Screen (from - to):** | 19.0' - 29.0' | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 1.0' - 15.0' |
| **Sand Pack (from - to):** | 17.0' - 29.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected
NA - Not Available

Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | | Soil/Geologic Description |
|---|---|---|---|---|---|---|
| 1<br>2<br>3<br>4<br>5 | | | | | ** | Hand cleared borehole to 5.0' bgs<br><br>0-2" Asphalt<br>2"-5' FILL: Brown fine to coarse SAND, and fine to coarse gravel numerous pieces of brick, no staining, no odors |
| 6<br>7 | 5-7 | 2.2 | 5<br>5<br>5<br>5 | 24/9 | | FILL: Black Asphalt, brown SUB-ANGULAR FINE GRAVEL, 1" of brown moist, well sorted fine sand, some silt, pulverized rock in tip of spoon, loose, non-cohesive, no odor or visual impacts PID= 0.2, 0.2 |
| 8<br>9 | 7-9 | 1.0 | 3<br>2<br>1<br>1 | 24/4 | | FILL: Brown, moist, poorly sorted FINE to MEDIUM SAND, some sub-angular fine gravel, trace coarse sand and brick fragments, loose, non-cohesive, no odors or visual impacts PID= 0.2, 0.2 |
| 10<br>11 | 9-11 | NA | 3<br>2<br>2<br>2 | 24/0 | | No Recovery - fabric in soil cuttings |
| 12<br>13 | 11-13 | 1.2 | NA | 4 | | 0-2" - FILL: Reddish brown, dry, well sorted FINE SAND, loose, non-cohesive, no odors or visual impacts PID= 0.2<br>2-4" - FILL: Brown, moist, poorly sorted FINE to COARSE SAND, trace silt and fine gravel, no odors or visual impacts |
| 14<br>15 | 13-15 | 1.0 | 3<br>2<br>2<br>2 | 24/19 | ** | FILL: Reddish brown, dry, well sorted, FINE SAND, some silt, loose, non-cohesive, no odors or visual impacts<br><br>PID= 0.2, 0.2 |

**WELL DIAGRAM**



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# SOIL BORING/WELL LOG (MW-1)

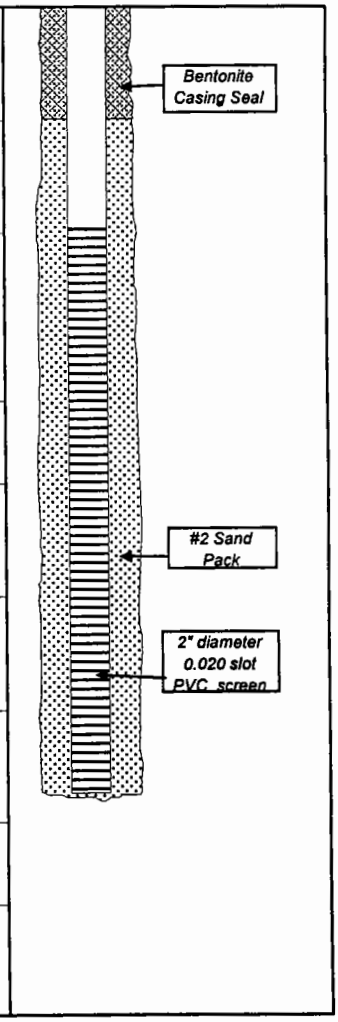
| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-1 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 2/5/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 31' 11" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 39.18' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 38.72' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 19.0' | **Bentonite Seal (from - to):** | 15.0' - 17.0' |
| **Screen (from - to):** | 19.0' - 29.0' | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 1.0' - 15.0' |
| **Sand Pack (from - to):** | 17.0' - 29.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected
NA - Not Available

Proportions Used: Trace - 1-10% Some - 20-30%
Little - 10-20% And - 30-50%

| | | | | | | |
|---|---|---|---|---|---|---|
| 16<br>17 | 15-17 | 5.0 | 2<br>3<br>3<br>4 | 24/18 | | FILL: Reddish brown, dry, well sorted FINE SAND, some silt (becoming siltier towards tip of spoon), loose, non-cohesive, no odors or visual impacts<br>PID= 0.2, 0.2 |
| 18<br>19 | 17-19 | 3.0 | 5<br>6<br>11<br>8 | 24/19 | | 0-15" - FILL: Reddish brown, dry, well sorted FINE SAND and SILT, dense, non-cohesive, no odors or visual impacts<br>15-19" - FILL: Tan, dry, well sorted MEDIUM to COARSE SAND, some fine gravel, loose, non-cohesive, PID=0.2, 0.3 |
| 20<br>21 | 19-21 | 2.0 | 10<br>10<br>10<br>10 | 24/12 | | 0-6" - FILL: Reddish brown, moist, well sorted FINE to MEDIUM SAND, trace coarse sand and rounded fine gravel, non-cohesive, no odors or visual impacts<br>6-7" - Quartz rock fragments |
| 22 | 21-23 | 16.2 | 5<br>6 | 24/15 | | 7-15" - FILL: Brown-tan, moist, well sorted FINE to MEDIUM SAND, trace silt and coarse gravel, non-cohesive, PID=0.2 |
| 23 | | | 13<br>11 | | | FILL: Brown, wet, poorly sorted FINE to COARSE SAND, some gravel, non-cohesive, marble-like rock in tip |
| 24<br>25 | 23-25 | 2.0 | 1<br>3<br>3<br>2 | 24/16 | ** | faint hydrocarbon-like odor, no visual impacts, PID=81, 65<br>FILL: Brown, wet, poorly sorted FINE to COARSE SAND, some silt and sub-angular fine gravel, non-cohesive, very faint hydrocarbon-like odor between 8-10", no visual impacts |
| 26<br>27 | 25-27 | 14.0 | 5<br>4<br>4<br>6 | 24/14 | | PID= 30, 26, 6.2<br>FILL: Brown, wet, poorly sorted FINE to COARSE SAND, some sub-angular fine gravel, trace silt, loose, non-cohesive, natural soil odor throughout, no visual impacts |
| 28<br>29 | 27-29 | 3.0 | WOR<br>2<br>3<br>2 | 24/23 | ** | PID= 30, 180, 12.2<br>FILL: 0-7" - Brown, wet, poorly sorted MEDIUM to COARSE SAND, some silt, non-cohesive, no odors or visual impacts<br>7-22" - Brown, wet, well sorted, FINE SAND and SILT |
| 30<br>31 | 29-31 | 0.0 | 1<br>1<br>1<br>1 | 24/12 | | 22-23" - Same as 0-7" interval PID= 0.4, 7.2, 4.2<br>Brown wet, poorly sorted, MEDIUM to COARSE SAND grading to FINE to MEDIUM SAND, some silt, trace rounded medium gravel, mica flecks, no odors or visual impacts |
| 32<br>33 | 31-33 | 0.0 | 5<br>9<br>50/5" | 17/12 | ** | Brown, moist, SILT, trace fine to coarse sand and sub-angular fine gravel, weathered black rock fragments with mica flecks in tip of spoon<br>PID= 0.5, 0.4, 0.5 |

Spoon and auger refusal at 31' 11"
End of boring



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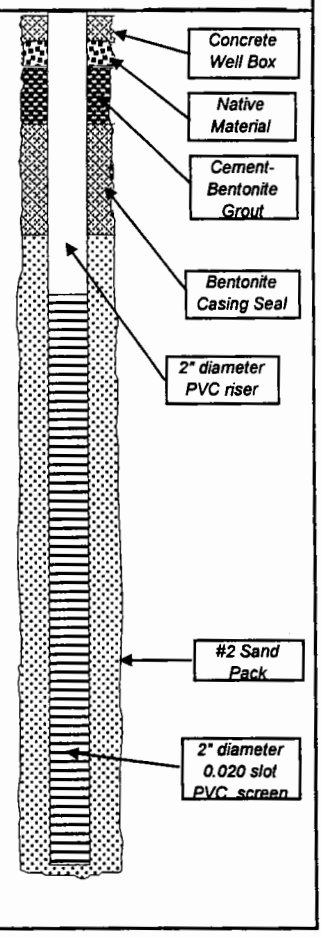
# SOIL BORING/WELL LOG (MW-2)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-2 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/22/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 24' 1" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 16.01' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 15.53' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 5.0' | **Bentonite Seal (from - to):** | 1.0' - 2.0' |
| **Screen (from - to):** | 5.0' - 15.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 1.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 2.0' - 4.0' |
| **Sand Pack (from - to):** | 4.0' - 15.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collectec Proportions Used: Trace - 1-10% Some - 20-30%
NA - Not Available Little - 10-20% And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1<br>2<br>3<br>4 | | | | | Hand cleared borehole to 5.0' bgs<br>0-2" Asphalt<br>2"-2.5' FILL: SAND, some silt and fine gravel, trace brick<br>no odors, no visual impacts.<br>large cobble pieces from 2.5' to 5'.<br><br>PID= 0.0 |
| 5<br>6 | 4-6 | 16.9 | 5<br>1<br>3<br>5 | 24/7 | FILL: Brown, dry, FINE to COARSE SAND, some rounded<br>fine gravel, some silt<br>black conglomerate rock in bottom 2"<br>no odors or visual impacts, PID= 1.0, 0.8, 0.7 |
| 7<br>8 | 6-8 | 2.2 | 7<br>15<br>8<br>4 | 24/10 | 0-7" - FILL: Brown, dry, poorly sorted FINE to COARSE SAND,<br>trace silt and sub-angular fine gravel, non-cohesive,<br>no odors or visual impacts<br>PID= 0.9, 0.8, 0.7 |
| 9<br>10 | 8-10 | NA | 6<br>2<br>2<br>8 | 24/0 | No Recovery - cobble in tip of spoon |
| 11<br>12 | 10-12 | 2.3 | 2<br>4<br>7<br>8 | 24/5 | FILL: Brown, wet, angular fine gravel, brick fragments,<br>dark gray fine sand and silt between 2-3"<br>no odors or visual impacts<br>PID= 0.4, 0.4, 0.4 |
| 13<br>14 | 12-14 | NA | 22<br>1<br>1 | 18/6 | 0-5" - FILL: Brown, wet, FINE SAND, some coarse<br>** sand and silt, brick fragments, no odors or visual impacts<br>5-6" - FILL: Brown, wet, COARSE SAND, trace fine to<br>medium sand and gravel, no odors of visual impacts<br>PID= 0.5, 0.5 |
| 15<br>16 | 14-16 | NA | 1<br>2<br>11 | 18/0 | No Recovery |



GEI Consultants, Inc.

# SOIL BORING/WELL LOG (MW-2)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-2 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/22/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 24' 1" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 16.01' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 15.53' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 5.0' | **Bentonite Seal (from - to):** | 1.0' - 2.0' |
| **Screen (from - to):** | 5.0' - 15.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 1.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 2.0' - 4.0' |
| **Sand Pack (from - to):** | 4.0' - 15.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collectec Proportions Used: Trace - 1-10% Some - 20-30%
NA - Not Available Little - 10-20% And - 30-50%

| | | | | | | |
|---|---|---|---|---|---|---|
| 17 | 16-17 | 3.3 | 17<br>50/3" | 9/6 | ** | FILL: Brown, wet, COARSE SAND and SUB-ANGULAR FINE GRAVEL, trace brick fragments, organic material at 3", faint hydrocarbon-like odor, no visual impacts |
| 18<br>19<br>20 | 17-20 | NA | 100/1' | 1/1 | | Light brown-gray material in tip of spoon: possible bonding agent or grouting material, glue-like odor, PID= 5.0<br>Spoon and auger refusal at 17.0'<br>Concrete in tip of spoon driven at 17.0'<br>Concrete from 17.0' - 20.5' |
| 21<br>22 | 20-22 | NA | NA<br>36<br>50/3" | 9/0 | | Concrete wash |
| 23<br>24 | 22-24 | NA | 50/4" | 4/3 | | Black, weathered rock with mica flecks<br>PID= 0.8 |
| 25<br>26 | 24-26 | NA | 100/1' | 1/1 | | Bedrock encountered at 24' 1"<br>End of boring<br>Well set in adjacent borehole at 15.0' |

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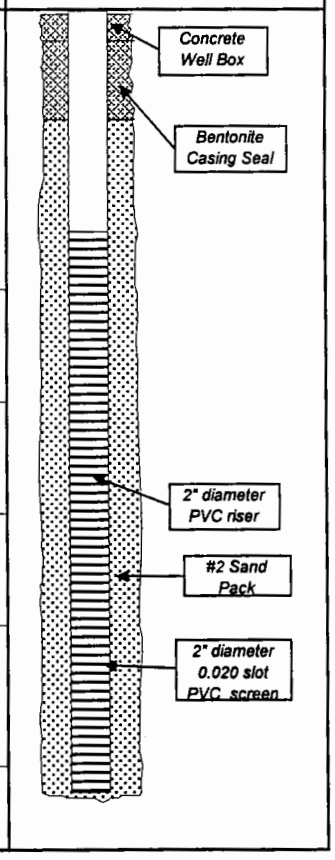
# SOIL BORING/WELL LOG (MW-3)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-3 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 2/2/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 17' 10" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 15.62' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 15.08' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 4.0' | **Bentonite Seal (from - to):** | 0.5' - 2.0' |
| **Screen (from - to):** | 4.0' - 14.0' | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 0.0' - 0.5' |
| **Sand Pack (from - to):** | 2.0' - 14.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected  Proportions Used: Trace - 1-10%  Some - 20-30%
NA - Not Available  Little - 10-20%  And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1 | | | | | Hand cleared borehole to 5.0' bgs |
| 2 | | | | | 0-1.5' FILL: Brown SAND, some silt and fine gravel. PID: 0.0 ppm |
| 3 | | | | | 1.5-4' FILL: SAND, some silt and fine gravel, trace coal and brick, soil stained black, no odors. PID: 0.0 ppm |
| 4 | | | | | 4'-5' FILL SAND, some gravel and silt, stained black |
| 5 | | | | | ** with slight sheen, moderate hydrocarbon odor PID: 9-10 ppm |
| 6 | 5-7 | 0.0 | 4 9 12 9 | 24/11 | 0-7" - FILL: Brown, moist, FINE SAND, some silt, trace weathered black rock with mica flecks 7-8" - White quartz rock fragments, portions weathered 8-11" - FILL: Same as 0-7" interval, PID=0 |
| 7 | | | | | |
| 8 | 7-9 | 0.0 | 4 3 2 3 | 24/10 | 0-7" - FILL: Brown, wet, poorly sorted FINE to COARSE ** SAND, little silt, trace sub-angular fine gravel, loose, non-cohesive, no odors or visual impacts 7-10" - FILL: BRICK FRAGMENTS , PID= 0 |
| 9 | | | | | |
| 10 | 9-11 | NA | 5 3 3 3 | 24/0 | No Recovery - rock in tip of spoon |
| 11 | | | | | |
| 12 | 11-13 | 0.0 | 1 10 7 5 | 24/13 | 0-7" FILL: Brown, wet, FINE to COARSE SAND, little silt, trace sub-angular fine gravel and rock fragments, loose 7-13" - FILL: Reddish brown, wet, well sorted FINE SAND and SILT, little black weathered rock with mica flecks, semi-cohesive, no odors of visual impacts, PID= 0 |
| 13 | | | | | |
| 14 | 13-15 | NA | 4 6 2 2 | 24/1 | FILL: Brown, wet, FINE SAND and SILT, brick fragments, trace sub-angular fine gravel, non-cohesive, no odors or visual impacts, wood in tip of spoon, PID= 0 |
| 15 | | | | | |

**WELL DIAGRAM**



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# SOIL BORING/WELL LOG (MW-3)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-3 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 2/2/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 17' 10" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 15.62' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 15.08' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 4.0' | **Bentonite Seal (from - to):** | 0.5' - 2.0' |
| **Screen (from - to):** | 4.0' - 14.0' | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 0.0' - 0.5' |
| **Sand Pack (from - to):** | 2.0' - 14.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected
NA - Not Available

Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 16<br>17 | 15-17 | NA | 1<br>2<br>1<br>5 | 24/8 | ** | FILL: Brown, wet, poorly sorted FINE to COARSE SAND, trace silt, cobble at 6", wood at 7", loose, semi-cohesive, no odors or visual impacts<br>PID= 0, 0.6 | |
| 18<br>19 | 17-19 | NA | 42<br>50/4" | 10/10 | | Black weathered rock with mica flecks, some coarse quartz grains, very dense, no odors or visual impacts<br>PID= 0 | |

Bedrock encountered at 17' 10"
End of Boring

GEI Consultants, Inc.

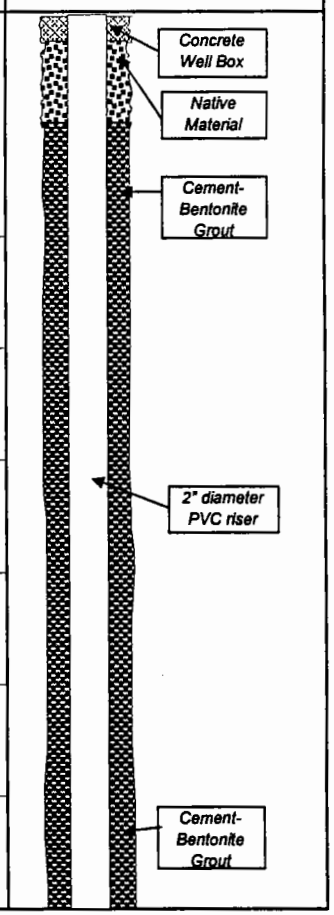
# SOIL BORING/WELL LOG (MW-4D)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-4D | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/26/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 32' 3" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 17.49' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 17.15' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 27.0' | **Bentonite Seal (from - to):** | 18.0' - 20.0' |
| **Screen (from - to):** | 27.0' - 32.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 1.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 2.0' - 18.0' |
| **Sand Pack (from - to):** | 20.0' - 32.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected  Proportions Used: Trace - 1-10%  Some - 20-30%
NA - Not Available  Little - 10-20%  And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1<br>2<br>3<br>4 | | | | | Hand cleared borehole to 5.0' bgs<br>**<br>0-2" Asphalt<br>2"-7" FILL: Gray to brown Sand, some fines, trace gravel.<br>0.5'-1.5' concrete faint naphthalene odor below concrete.<br>No sample collected below concrete. |
| 5<br>6 | 4-6 | 1.4 | 9<br>12<br>14<br>15 | 24/9 | FILL: Brown, dry, poorly sorted FINE to MEDIUM SAND, some angular medium gravel, trace brick fragments and wood, trace silt, loose, non-cohesive, no odors or visual impacts, PID= 0 |
| 7<br>8 | 6-8 | | 10<br>50/2" | 8/7 | 0-5" - FILL: Same as above, trace coal<br>5-7" - FILL: Brown, dry, well sorted FINE SAND, some silt, dense, non-cohesive, no odor or visual impacts<br>PID= 0, 0.4 |
| 9<br>10 | 8-10 | 1.2 | 13<br>15<br>30<br>21 | 24/12 | FILL: Brown, moist, poorly sorted MEDIUM to COARSE SAND, some silt, quartz gravel, and black rock with mica flecks, trace coal, loose, non-cohesive, no odor or visual impacts, PID= 0 |
| 11<br>12 | 10-12 | NA | 12<br>15<br>12<br>7 | 24/8 | ** FILL: Brown-black, wet, well sorted MEDIUM to COARSE SAND, some black rock fragements with mica flecks, trace silt, loose, non-cohesive, no odors or visual impacts, PID= 0 |
| 13<br>14 | 12-14 | 3.2 | 3<br>4<br>5<br>7 | 24/2 | FILL: Brown, wet, well sorted MEDIUM SAND, trace silt, gravel, and brick fragments, loose, non-coheisve, no odors or visual impacts<br>PID= 0 |
| 15<br>16 | 14-16 | 2.9 | 3<br>3<br>6<br>8 | 24/16 | 0-3" - FILL: Same as above<br>3-7" - FILL: Black, wet, poorly sorted COARSE SAND, some brick and coal, trace silt, loose, no odors or visual impacts<br>7-16" - FILL: Brown, wet, well sorted MEDIUM SAND, PID= 0 |

**WELL DIAGRAM**



GEI Consultants, Inc.

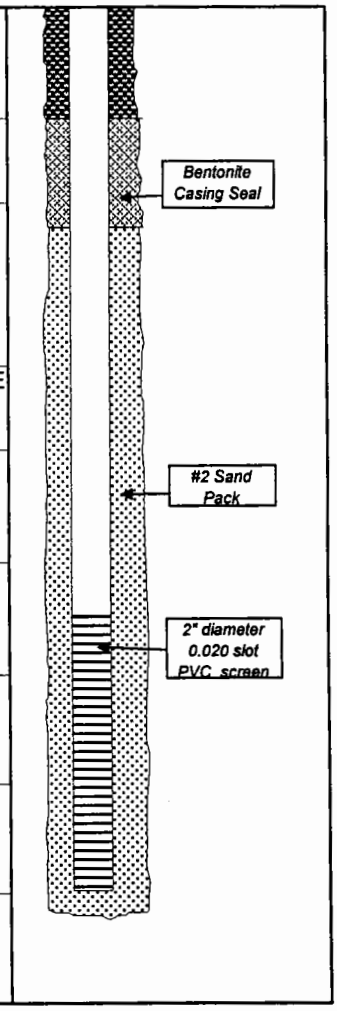
# SOIL BORING/WELL LOG (MW-4D)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-4D | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/26/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 32' 3" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 17.49' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 17.15' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 27.0' | **Bentonite Seal (from - to):** | 18.0' - 20.0' |
| **Screen (from - to):** | 27.0' - 32.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 1.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 2.0' - 18.0' |
| **Sand Pack (from - to):** | 20.0' - 32.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected  Proportions Used: Trace - 1-10%  Some - 20-30%
NA - Not Available  Little - 10-20%  And - 30-50%

| | | | | | |
|---|---|---|---|---|---|
| 17<br>18 | 16-18 | 0.9 | 7<br>5<br>50/0" | 12/2 | FILL: Brown, wet, well sorted FINE to COARSE SAND, trace fine to medium gravel and silt, loose, non-cohesive, wood piece to tip of spoon, no odors or visual impacts<br>PID= 0 |
| 19<br>20 | 18-20 | 0.8 | 50<br>50/0" | 6/6 | Reddish brown-black, wet, well sorted MEDIUM SAND, some silt, trace fine gravel, loose, non-cohesive, no odors or visual impacts, PID= 0<br>0-5" - Same as above |
| 21<br>22 | 20-22 | 2.2 | 10<br>2<br>14<br>8 | 24/14 | 5-10" - Brown, wet, well sorted FINE SAND and CLAY, some organic material, medium dense, cohesive<br>10-14" - Reddish purple-black, wet, well sorted FINE to COARSE SAND, some mica flecks, loose, non-cohesive, no odors or visual impacts, PID= 0, 0.1 |
| 23<br>24 | 22-24 | 4.2 | NA | 5 | Dark brown-black, wet, well sorted MEDIUM to COARSE SAND, some quartz grains, trace silt, loose, non-cohesive, no odors or visual impacts, PID= 0.1 |
| 25<br>26 | 24-26 | 2.4 | 7<br>3<br>4<br>5 | 24/24 | Brown-black, wet, well sorted MEDIUM to COARSE SAND, some angular fine to medium gravel, trace silt, very loose, non-cohesive, no odor or visual impacts<br>PID= 0.1 |
| 27<br>28 | 26-28 | 2.3 | 5<br>3<br>12<br>15 | 24/17 | Gray-brown, wet, well sorted MEDIUM to COARSE SAND, trace silt and well rounded fine gravel, speckled black and red quartz grains, loose, non-cohesive, no odors or visual impacts, PID= 0.1 |
| 29<br>30 | 28-30 | 1.8 | 13<br>15<br>17<br>19 | 24/24 | Gray-brown, wet, poorly sorted MEDIUM to COARSE SAND, some angular and well-rounded fine to medium gravel, trace silt, loose, non-cohesive, no odor or visual impacts<br>PID= 0.1 |
| 31<br>32 | 30-32 | 0.7 | 31<br>50/1" | 7/7 | Gray-brown, wet, poorly sorted, FINE to COARSE SAND, trace silt and angular fine to medium gravel, loose, non-cohesive, no odors or visual impacts<br>PID= 0.1, 0.2 |
| 33<br>34 | 32-34 | 0.5 | 50/3" | 3/3 | Black, weathered rock with mica flecks in tip of spoon<br>**<br>PID= 0.1, 0.2 |

Spoon and auger refusal at 32' 3"
End of boring
Well set at 32.0'



GEI Consultants, Inc.

# SOIL BORING/WELL LOG (MW-4S)

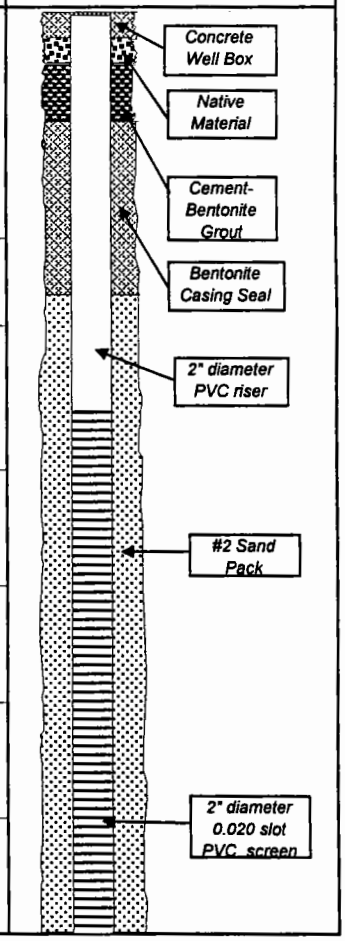
| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-4S | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/26/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 18.0' | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 17.25' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 17.01' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 7.0' | **Bentonite Seal (from - to):** | 2.0' - 5.0' |
| **Screen (from - to):** | 7.0' - 17.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 1.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 1.0' - 2.0' |
| **Sand Pack (from - to):** | 5.0' - 17.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected
NA - Not Available

Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1, 2, 3, 4 | | | | | Hand cleared borehole to 5.0' bgs |
| 5 | | | | | See MW-4D Log |
| 6 | | | | | 0-4" - Asphalt cold patch |
| 7, 8 | 6-8 | 0.0 | 13<br>21<br>31<br>50/2" | 20/13 | 4-13" - FILL: Brown, dry, poorly sorted FINE to COARSE SAND, some silt and rounded-sub-angular fine gravel, slate and rock fragment at 7", dense, non-cohesive, no odors of visual impacts |
| 9, 10 | 8-10 | 0.0 | 100/3' | 3/2 | FILL: Asphalt cold patch, wash from above<br>PID= 0 |
| 11, 12 | 10-12 | NA | 7<br>17<br>10<br>14 | 24/0 | No Recovery |
| 13, 14 | 12-14 | 0.0 | 3<br>4<br>4<br>5 | 24/20 | FILL: Gray-brown, wet, well sorted FINE SAND, some silt, loose, semi-cohesive, peat from 1-10", no odors or visual impacts<br>PID= 0 |
| 15, 16 | 14-16 | 0.0 | 1<br>2<br>1<br>2 | 24/12 | FILL: Brown, wet, well sorted FINE SAND, some silt, loose, semi-cohesive, no odors or visual impacts<br>PID= 0 |

**WELL DIAGRAM**



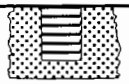
GEI Consultants, Inc.

# SOIL BORING/WELL LOG (MW-4S)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-4S | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/26/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 18.0' | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 17.25' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 17.01' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 7.0' | **Bentonite Seal (from - to):** | 2.0' - 5.0' |
| **Screen (from - to):** | 7.0' - 17.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 1.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 1.0' - 2.0' |
| **Sand Pack (from - to):** | 5.0' - 17.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected
NA - Not Available

Proportions Used: Trace - 1-10%
Little - 10-20%
Some - 20-30%
And - 30-50%

| | | | | | | |
|---|---|---|---|---|---|---|
| 17<br>18 | 16-18 | 0.0 | 2<br>2<br>3<br>2 | 24/9 | Gray-brown, wet, well sorted FINE SAND, some silt, trace coarse sand and fine gravel, loose, semi-cohesive, natural black banding throughout, no odors or visual impacts<br>PID= 0 |  |

End of boring at 18.0'
Well set at 17.0'

GEI Consultants, Inc.

# SOIL BORING/WELL LOG (MW-5D)

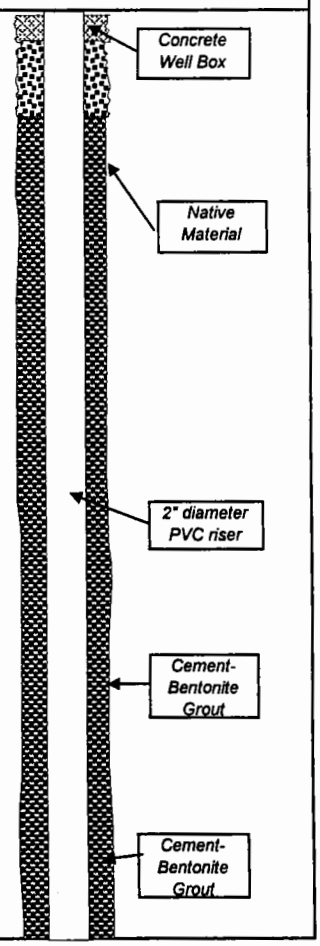
| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-5D | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/20/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 38' 4" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 23.57' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 23.27' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 33.0' | **Bentonite Seal (from - to):** | 29.0' - 31.0' |
| **Screen (from - to):** | 33.0' - 38.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 2.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 2.0' - 29.0' |
| **Sand Pack (from - to):** | 31.0' - 38.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected
NA - Not Available

Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1, 2, 3, 4 | | | | | Hand cleared borehole to 5.0' bgs<br><br>0-2" asphalt<br>0-5' FILL: Brown fine SAND some silt, little clay, some gravel and cobbles, dry, no odors, no staining.<br>** PID= 0.0 |
| 5, 6 | 4-6 | 10.7 | 17<br>18<br>15<br>15 | 24/5 | FILL: Brown, dry, well sorted FINE to MEDIUM SAND, some silt and sub-angular fine gravel, rock fragements in tip of spoon, loose, non-cohesive, no odors or visual impacts<br>PID= 6.2, 5.6 |
| 7, 8 | 6-8 | 13.7 | 8<br>9<br>11<br>8 | 24/22 | 0-4" - Reddish brown, dry, well sorted FINE SAND, some silt, no odors or visual impacts<br>4-22" - Brown, dry, well sorted FINE to MEDIUM SAND, some fine gravel, loose, no odors or visual impacts<br>PID= 0.1, 0.2, 6.2 |
| 9, 10 | 8-10 | 0.8 | 6<br>7<br>8<br>9 | 24/15 | Reddish brown, dry, well sorted FINE SAND, some silt, loose, non-cohesive, no odors or visual impacts<br>PID= 0.1, 0.1 |
| 11, 12 | 10-12 | 3.9 | 10<br>10<br>12<br>10 | 24/17 | Reddish brown, dry, well sorted FINE SAND and SILT, loose, non-cohesive, some angular fine gravel in top 2", no odors or visual impacts<br>PID= 0.1 |
| 13, 14 | 12-14 | 1.0 | 5<br>18<br>9<br>9 | 24/24 | Same as above, some mica flecks<br><br><br>PID= 0.1 |
| 15, 16 | 14-16 | 0.7 | 8<br>12<br>16<br>9 | 24/17 | Reddish brown, moist, well sorted FINE SAND, some silt, trace mica flecks, medium dense, non-cohesive, no odors or visual impacts<br>PID= 0.1, 0.2, 0.5 |

**WELL DIAGRAM**



GEI Consultants, Inc.

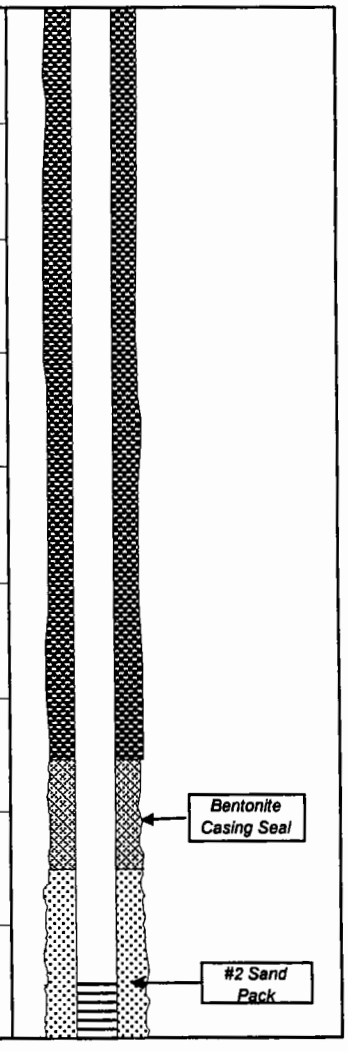
# SOIL BORING/WELL LOG (MW-5D)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-5D | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/20/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 38' 4" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 23.57' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 23.27' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 33.0' | **Bentonite Seal (from - to):** | 29.0' - 31.0' |
| **Screen (from - to):** | 33.0' - 38.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 2.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 2.0' - 29.0' |
| **Sand Pack (from - to):** | 31.0' - 38.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected
NA - Not Available

Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| | | | | | | |
|---|---|---|---|---|---|---|
| 17<br>18 | 16-18 | NA | 8<br>17<br>31<br>9 | 24/17 | ** | Reddish brown, wet, well sorted FINE SAND, some silt and mica flecks, brown coarse sand and angular fine gravel and rock fragments at 4-5", medium dense non-cohesive, no odors or visual impacts, PID= 0.1 |
| 19<br>20 | 18-20 | 0.7 | 17<br>22<br>31<br>34 | 24/16 | | Reddish brown-brown, wet, well sorted FINE to MEDIUM SAND, some silt, trace coarse sand and sub-angular fine gravel, dense, no odors or visual impacts PID= 0.1 |
| 21<br>22 | 20-22 | 0.7 | 13<br>10<br>9<br>16 | 24/12 | | 0-2" - Brown, wet, SILT, some rounded fine gravel, trace clay, dense, semi-cohesive, no odors or visual impacts 2-12" - Brown, wet, well sorted FINE to MEDIUM SAND, some silt, dense, non-cohesive, no odors or visual impacts |
| 23<br>24 | 22-24 | 0.5 | 3<br>2<br>1<br>2 | 24/6 | | Brown, wet, well sorted FINE to MEDIUM SAND, some silt, trace sub-angular fine gravel, black weathered rock in tip of spoon, loose, semi-cohesive, no odors or visual impacts PID= 0.2, 0.3 |
| 25<br>26 | 24-26 | 0.9 | 3<br>2<br>4<br>3 | 24/24 | | Brown, wet, well sorted, FINE to COARSE SAND, some silt and sub-angular fine gravel, trace coarse gravel, loose, semi-cohesive, no odors or visual impacts PID= 0.2 |
| 27<br>28 | 26-28 | 1.1 | 13<br>15<br>31<br>50/3" | 21/21 | | Brown, wet, well sorted FINE to COARSE SAND, some silt and sub-angular fine gravel, semi-cohesive, no odors or visual impacts PID= 0.2 |
| 29<br>30 | 28-30 | 0.8 | 16<br>27<br>50/2" | 14/14 | | 0-11" - Brown, wet, well sorted FINE to COARSE SAND, some silt and fine gravel, loose, semi-cohesive 11-13" - Black, moist, weathered rock with mica flecks 13-14" - Gray-white quartz rock fragment, PID= 0.3 |
| 31<br>32 | 30-32 | NA | 35<br>50/4" | 10/9 | | Black, weathered rock with mica flecks, some medium to coarse sand, black bedrock fragments with mica, very dense, no odors or visual impacts PID= 0.3 |
| 33<br>34 | 32-34 | 1.2 | 30<br>31<br>40<br>50/4" | 22/14 | | 0-10" - Brown-dark gray, moist SILT and FINE SAND, some coarse sand, very dense, no odors or visual impacts 10-14" - Gray-white weathered quartz rock PID= 0.3 |



GEI Consultants, Inc.

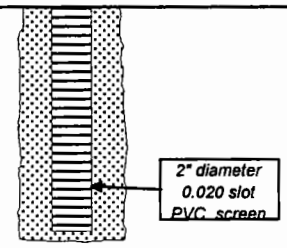
# SOIL BORING/WELL LOG (MW-5D)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-5D | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/20/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 38' 4" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 23.57' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 23.27' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 33.0' | **Bentonite Seal (from - to):** | 29.0' - 31.0' |
| **Screen (from - to):** | 33.0' - 38.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 2.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 2.0' - 29.0' |
| **Sand Pack (from - to):** | 31.0' - 38.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected
NA - Not Available

Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| | | | | | | |
|---|---|---|---|---|---|---|
| 35<br>36 | 34-36 | NA | 25<br>40<br>50/0" | 12/9 | ** | Gray-dark gray, moist FINE SAND, some medium sand, trace silt, very dense, no odors or visual impacts<br>PID= 0.3 |
| 37<br>38 | 36-38 | NA | 50<br>50/1" | 7/5 | | Dark gray, wet, poorly sorted FINE SAND, some cobbles and sub-angular fine gravel, very dense, semi-cohesive, no odors or visual impacts<br>PID=0.3 |
| 39<br>40 | 38-40 | NA | 50/4" | 4/3 | | Gray, dry rock fragments and pulverized rock fragments, some fine sand, no odors or visual impacts<br>PID= 0.3 |




End of boring at 38' 4"
Well set at 38.0'

GEI Consultants, Inc.

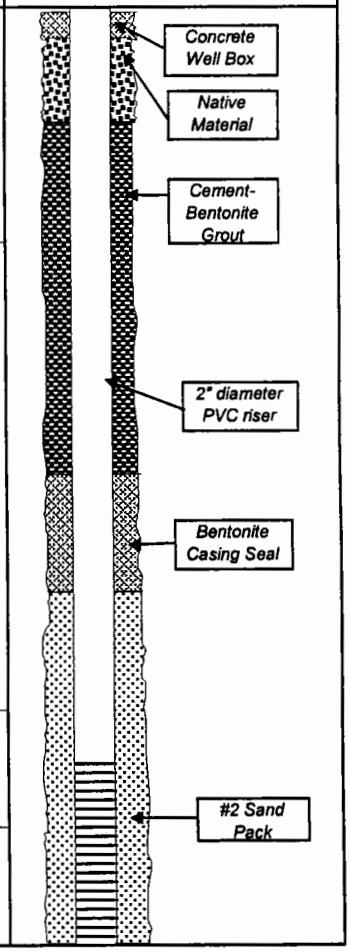
# SOIL BORING/WELL LOG (MW-5S)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-5S | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/26/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 24.0' | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 23.47' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 23.25' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 13.0' | **Bentonite Seal (from - to):** | 8.0' - 10.0' |
| **Screen (from - to):** | 13.0' - 23.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 2.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 2.0' - 8.0' |
| **Sand Pack (from - to):** | 10.0' - 24.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collectec Proportions Used: Trace - 1-10% Some - 20-30%
NA - Not Available Little - 10-20% And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1, 2, 3, 4 | | | | | Hand cleared borehole to 5.0' bgs |
| 5, 6, 7, 8, 9, 10, 11, 12 | | | | | See MW-5D Log |
| 13, 14 | 12-14 | NA | 14<br>14<br>14<br>11 | 24/22 | Brown, moist, well sorted FINE to MEDIUM SAND, trace silt, loose, non-cohesive, no odors or visual impacts<br>PID= 0, 0.1 |
| 15, 16 | 14-16 | NA | 6<br>8<br>10<br>8 | 24/21 | Same as above, wet at 15.5'<br>PID= 0 |

**WELL DIAGRAM**



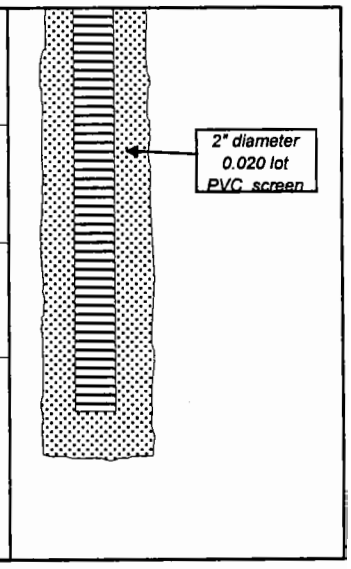
GEI Consultants, Inc.

# SOIL BORING/WELL LOG (MW-5S)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-5S | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/26/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 24.0' | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 23.47' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 23.25' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 13.0' | **Bentonite Seal (from - to):** | 8.0' - 10.0' |
| **Screen (from - to):** | 13.0' - 23.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 2.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 2.0' - 8.0' |
| **Sand Pack (from - to):** | 10.0' - 24.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collectec Proportions Used: Trace - 1-10% Some - 20-30%
NA - Not Available Little - 10-20% And - 30-50%

| | | | | | |
|---|---|---|---|---|---|
| 17 | 16-18 | NA | 11<br>12<br>24<br>21 | 24/19 | Brown, wet, well sorted MEDIUM SAND, trace silt, loose, non-cohesive, no odors or visual impacts<br>PID= 0.1 |
| 18 | | | | | |
| 19 | 18-20 | NA | 13<br>7<br>14<br>20 | 24/7 | Brown, wet, well sorted FINE to MEDIUM SAND, some clay, trace well-rounded fine gravel, loose, moderately cohesive, no odors or visual impacts<br>PID= 0.2, 0.3 |
| 20 | | | | | |
| 21 | 20-22 | NA | 10<br>10<br>13<br>15 | 24/18 | 0-11" - Brown, wet, poorly sorted MEDIUM SAND, some silt, trace fine gravel, loose, moderately cohesive<br>11-18" - Brown, moist, well sorted silt, trace clay, dense, cohesive, no odors or visual impacts, PID= 0.2 |
| 22 | | | | | |
| 23 | 22-24 | NA | 10<br>10<br>20<br>13 | 24/22 | 0-4" - Brown, wet, well sorted MEDIUM SAND, some silt<br>4-10" - Brown, wet, well sorted SILT, some clay, dense<br>10-12" - Brown, wet, poorly sorted COARSE SAND, some fine to medium sand, trace silt and fine gravel, loose |
| 24 | | | | | |
| 25 | | | | | 12-18" - Same as 4-10" interval<br>18-22" - Brown, wet, poorly sorted FINE SAND, some silt and gravel, no odors or visual impacts, PID= 0.2 |




End of boring at 24.0'
Well set at 23.0'

# Appendix A
## Well Purging Data for 2/25/2004 Sampling Event
## Kingsbridge Former MGP Site

| Time | pH (standard units) | Conductivity (mS/cm) | Turbidity (NTU) | Total Dissolved Solids (g/L) | Dissolved Oxygen (mg/L) | Temperature (degrees Celsius) | ORP (mV) | Volume Purged (gallons) | Depth to Water (feet) |
|---|---|---|---|---|---|---|---|---|---|
| ***Monitoring Well MW-1*** | | | | | | | | | |
| 1514 | 6.78 | 4.99 | 999 | 3.2 | 0.62 | 16.97 | 78 | 0.5 | NR |
| 1517 | 6.76 | 5.06 | 712 | 3.2 | 0.77 | 17.72 | 72 | 0.8 | NR |
| 1520 | 6.75 | 5.21 | 435 | 3.3 | 0.74 | 18.15 | 67 | 1.2 | 20.02 |
| 1523 | 6.74 | 5.32 | 515 | 3.4 | 0.99 | 18.27 | 67 | 1.7 | 20.02 |
| 1526 | 6.75 | 5.36 | 100 | 3.4 | 1.04 | 18.01 | 74 | 2.1 | 20.02 |
| 1529 | 6.75 | 5.39 | 70 | 3.4 | 1.36 | 17.87 | 80 | 2.5 | 20.02 |
| 1532 | 6.75 | 5.40 | 50 | 3.4 | 1.33 | 17.87 | 82 | 2.9 | 20.02 |
| 1535 | 6.75 | 5.39 | 36 | 3.4 | 1.32 | 17.92 | 84 | 3.4 | 20.02 |
| 1538 | 6.76 | 5.37 | 24 | 3.4 | 1.35 | 18.08 | 85 | 4 | 20.02 |
| ***Monitoring Well MW-2*** | | | | | | | | | |
| 912 | 9.22 | 1.75 | 8.2 | 1.1 | 0.0 | 8.16 | 111 | 0 | 8.02 |
| 915 | 9.22 | 1.76 | 5.4 | 1.1 | 0.0 | 8.11 | 103 | 1 | 8.02 |
| 918 | 9.24 | 1.75 | 0.7 | 1.1 | 0.0 | 8.2 | 97 | 1.5 | 8.08 |
| 921 | 9.44 | 1.75 | -0.9 | 1.1 | 0.0 | 8.48 | 86 | 2 | 8.02 |
| 924 | 9.39 | 1.74 | -10 | 1.1 | 0.0 | 8.32 | 80 | 2.5 | 8.02 |
| 927 | 9.31 | 1.72 | -10 | 1.1 | 0.0 | 8.21 | 72 | 3 | 8.02 |
| 930 | 9.41 | 1.71 | -10 | 1.1 | 0.0 | 8.23 | 73 | 3.5 | 8.02 |
| ***Monitoring Well MW-3*** | | | | | | | | | |
| 845 | 6.39 | 2.25 | NR | NR | 0 | 9.24 | 27 | 0.2 | 3.78 |
| 848 | 6.62 | 2.22 | 50 | NR | 2.24 | 10.43 | -22 | 0.6 | 3.82 |
| 851 | 6.71 | 2.21 | 38 | NR | 2.01 | 10.51 | -37 | 0.9 | 3.85 |
| 854 | 6.78 | 2.22 | 35 | NR | 1.72 | 10.94 | -45 | 1.1 | 3.86 |
| 857 | 6.84 | 2.21 | 26 | NR | 1.46 | 10.96 | -51 | 1.4 | 3.85 |
| 900 | 6.88 | 2.21 | 31 | NR | 1.19 | 10.99 | -55 | 1.7 | 3.84 |
| 903 | 6.92 | 2.21 | 28 | NR | 0.94 | 11.01 | -59 | 2 | 3.80 |
| 906 | 6.94 | 2.21 | 25 | NR | 0.76 | 10.96 | -61 | 2.3 | 3.82 |
| 909 | 6.97 | 2.21 | 22 | NR | 0.55 | 11.12 | -64 | 2.6 | 3.84 |
| 912 | 6.99 | 2.22 | 26 | NR | 0.34 | 11.17 | -66 | 2.9 | 3.85 |
| 915 | 7.01 | 2.21 | 22 | NR | 0.15 | 11.21 | -68 | 3.2 | 3.85 |
| 918 | 7.03 | 2.21 | 20 | NR | 0.0 | 11.29 | -69 | 3.5 | 3.85 |
| 921 | 7.04 | 2.22 | 21 | NR | 0.0 | 11.28 | -70 | 3.8 | 3.85 |
| 924 | 7.04 | 2.22 | 16 | NR | 0.0 | 11.31 | -71 | 4.1 | 3.86 |

# Appendix A
## Well Purging Data for 2/25/2004 Sampling Event
## Kingsbridge Former MGP Site

| Time | pH (standard units) | Conductivity (mS/cm) | Turbidity (NTU) | Total Dissolved Solids (g/L) | Dissolved Oxygen (mg/L) | Temperature (degrees Celsius) | ORP (mV) | Volume Purged (gallons) | Depth to Water (feet) |
|---|---|---|---|---|---|---|---|---|---|
| ***Monitoring Well MW-4D*** | | | | | | | | | |
| 1211 | 7.66 | 1.09 | 60.0 | 0.7 | 0.0 | 13.57 | -112 | 1.5 | 9.67 |
| 1214 | 7.63 | 1.09 | 58.5 | 0.7 | 0.0 | 13.60 | -114 | 1.7 | 9.72 |
| 1217 | 7.64 | 1.09 | 65.4 | 0.7 | 0.0 | 13.70 | -118 | 1.9 | 9.75 |
| 1220 | 7.63 | 1.08 | 12.0 | 0.7 | 0.0 | 13.65 | -120 | 2.1 | 9.75 |
| 1223 | 7.64 | 1.08 | 8.9 | 0.7 | 0.0 | 13.61 | -120 | 2.3 | 9.72 |
| 1226 | 7.64 | 1.08 | 9.7 | 0.7 | 0.0 | 13.54 | -121 | 2.5 | 9.73 |
| 1229 | 7.64 | 1.07 | 11.0 | 0.7 | 0.0 | 13.35 | -123 | 2.7 | 9.71 |
| ***Monitoring Well MW-4S*** | | | | | | | | | |
| 1035 | 7.11 | 2.66 | 62 | NR | 1.03 | 10.24 | -115 | 0.1 | 8.9 |
| 1038 | 7.13 | 2.65 | 34 | NR | 0 | 11.15 | -123 | 0.2 | 8.92 |
| 1041 | 7.12 | 2.64 | 27 | NR | 0 | 11.61 | -127 | 0.5 | 8.93 |
| 1044 | 7.16 | 2.62 | 22 | NR | 0 | 11.85 | -131 | 0.8 | 8.94 |
| 1047 | 7.17 | 2.62 | 18 | NR | 0 | 11.90 | -132 | 1.1 | 8.94 |
| 1050 | 7.17 | 2.62 | 13 | NR | 0 | 11.90 | -133 | 1.4 | 8.9 |
| 1053 | 7.17 | 2.62 | 15 | NR | 0 | 11.90 | -134 | 1.7 | 8.9 |
| 1056 | 7.17 | 2.62 | 11 | NR | 0 | 11.90 | -133 | 2.0 | 8.9 |
| 1101 | 7.17 | 2.61 | 10 | NR | 0 | 11.85 | -132 | 2.5 | 8.9 |
| 1106 | 7.16 | 2.61 | 9 | NR | 0 | 11.86 | -130 | 3.0 | 8.9 |
| ***Monitoring Well MW-5D*** | | | | | | | | | |
| 1245 | 6.95 | 1.33 | 616 | 0.8 | 0.0 | 12.83 | 5.00 | 0 | 14.40 |
| 1250 | 7.04 | 1.32 | 196 | 0.8 | 0.0 | 13.67 | -25 | 0.4 | 16.85 |
| 1254 | 7.06 | 1.32 | 289 | 0.8 | 0.0 | 13.91 | -32 | 0.7 | 16.82 |
| 1257 | 7.05 | 1.33 | 237 | 0.8 | 0.0 | 14.07 | -33 | 1 | 16.78 |
| 1300 | 7.05 | 1.34 | 90 | 0.9 | 0.0 | 14.20 | -34 | 1.3 | 16.75 |
| 1303 | 7.04 | 1.35 | 128 | 0.9 | 0.0 | 14.11 | -33 | 1.6 | 16.72 |
| 1306 | 7.04 | 1.36 | 60 | 0.9 | 0.0 | 14.17 | -32 | 2 | 16.69 |
| 1310 | 7.04 | 1.36 | 48 | 0.9 | 0.0 | 14.33 | -33 | 2.3 | 16.63 |
| 1313 | 7.03 | 1.36 | 46 | 0.9 | 0.0 | 14.33 | -32 | 2.6 | 16.6 |
| 1318 | 7.03 | 1.36 | 17 | 0.9 | 0.0 | 14.56 | -39 | 3 | 16.76 |
| 1321 | 7.04 | 1.35 | NR | 0.9 | 0.0 | 14.85 | -58 | NR | 16.85 |
| 1324 | 7.02 | 1.36 | 55 | 0.9 | 0.0 | 14.63 | -63 | 3.5 | 16.77 |
| 1328 | 7.00 | 1.36 | 55 | 0.9 | 0.0 | 14.45 | -66 | NR | 16.70 |

# Appendix A
## Well Purging Data for 2/25/2004 Sampling Event
## Kingsbridge Former MGP Site

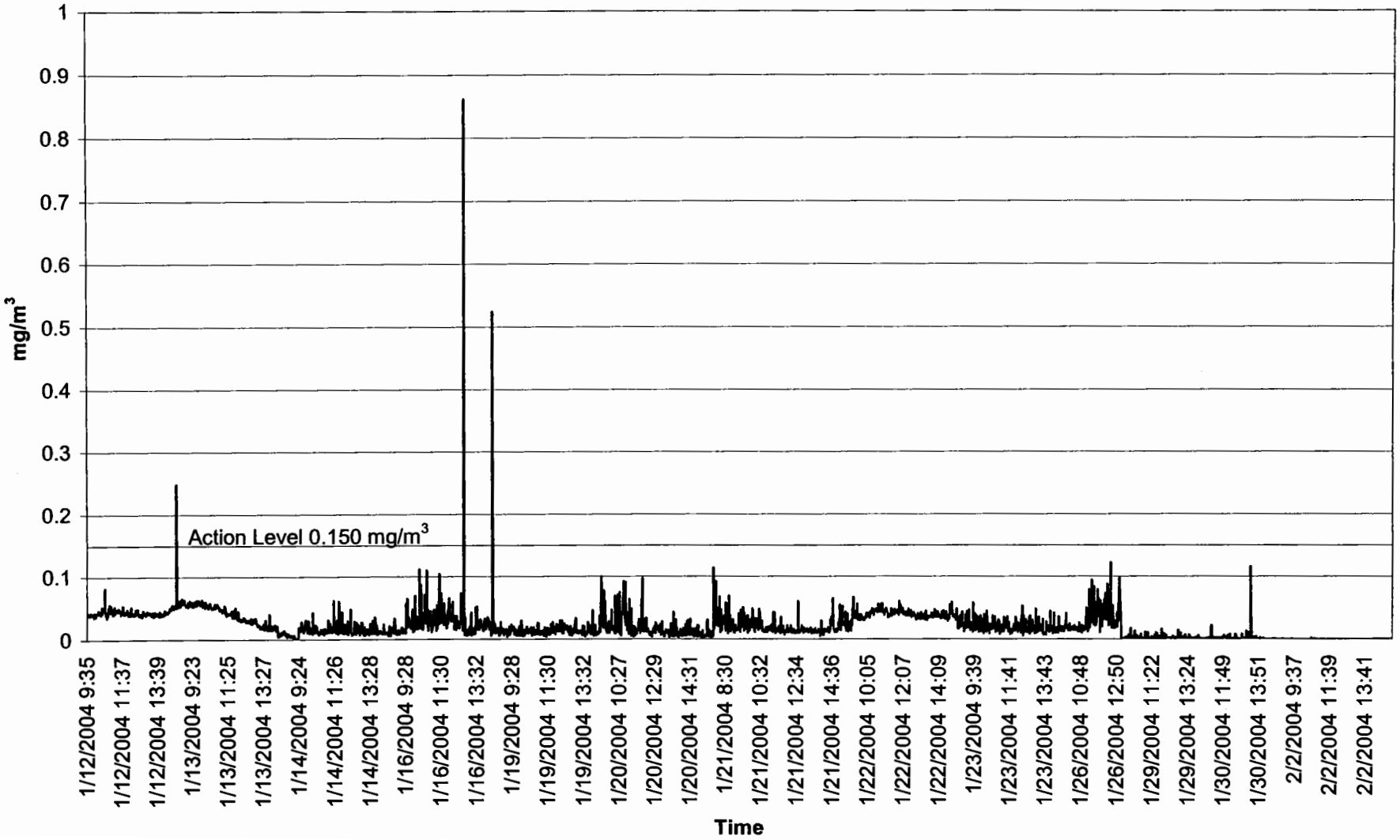
| Time | pH (standard units) | Conductivity (mS/cm) | Turbidity (NTU) | Total Dissolved Solids (g/L) | Dissolved Oxygen (mg/L) | Temperature (degrees Celsius) | ORP (mV) | Volume Purged (gallons) | Depth to Water (feet) |
|---|---|---|---|---|---|---|---|---|---|
| ***Monitoring Well MW-5S*** | | | | | | | | | |
| 1513 | 6.40 | 2.46 | 46 | NR | 1.62 | 12.01 | 110 | 0.1 | 14.86 |
| 1516 | 6.28 | 2.44 | NR | NR | 0.49 | 12.47 | 115 | 0.3 | 14.91 |
| 1519 | 6.25 | 2.44 | 30 | NR | 0.0 | 12.77 | 119 | 0.5 | 14.92 |
| 1522 | 6.25 | 2.43 | 20 | NR | 0.0 | 12.89 | 120 | 0.8 | 14.94 |
| 1525 | 6.26 | 2.42 | 17 | NR | 0.0 | 12.86 | 122 | 1 | 14.94 |
| 1528 | 6.26 | 2.42 | 11 | NR | 0.0 | 12.82 | 123 | 1.2 | 14.92 |
| 1531 | 6.27 | 2.42 | 7.4 | NR | 0.0 | 12.85 | 124 | 1.5 | 14.91 |
| 1534 | 6.28 | 2.41 | 5.0 | NR | 0.0 | 12.90 | 126 | 1.8 | 14.91 |
| 1537 | 6.28 | 2.41 | 4.6 | NR | 0.0 | 13.04 | 127 | 2.1 | 14.92 |
| 1540 | 6.29 | 2.41 | NR | NR | 0.0 | 12.95 | 128 | 2.4 | 14.92 |
| 1543 | 6.30 | 2.41 | 2.6 | NR | 0.0 | 13.10 | 128 | 2.7 | 14.95 |
| 1546 | 6.30 | 2.40 | 2.0 | NR | 0.0 | 13.11 | 129 | 3 | 14.95 |
| 1549 | 6.30 | 2.40 | 2.8 | NR | 0.0 | 13.11 | 129 | 3.3 | 14.96 |

mS/cm = microSiemens per centimeter
NTU = nephelometric units
g/L = grams per liter
mg/L = milligrams per liter
mV = millivolts
NR - Not Recorded

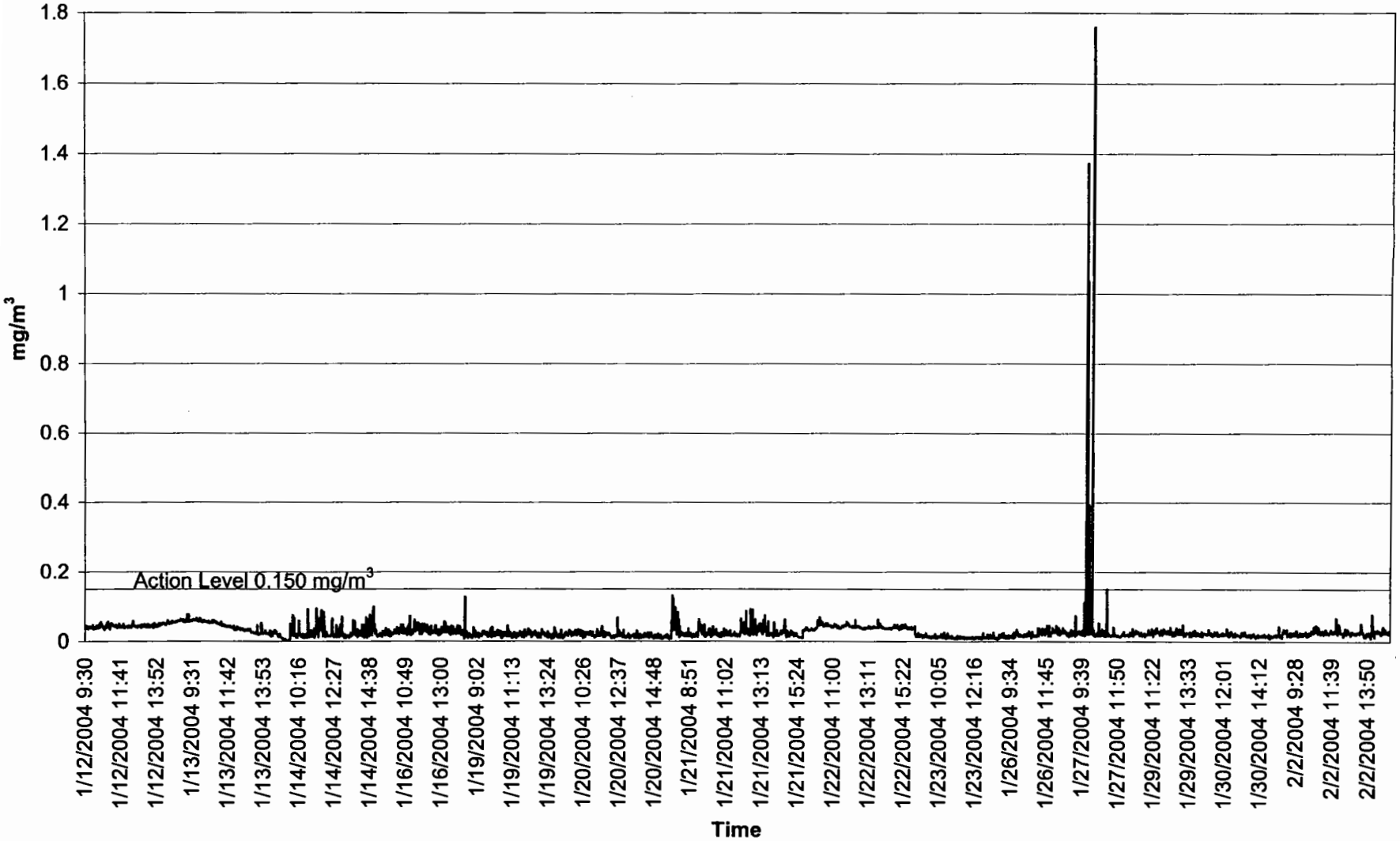
# Appendix B

## Community Air Monitoring Results Summary

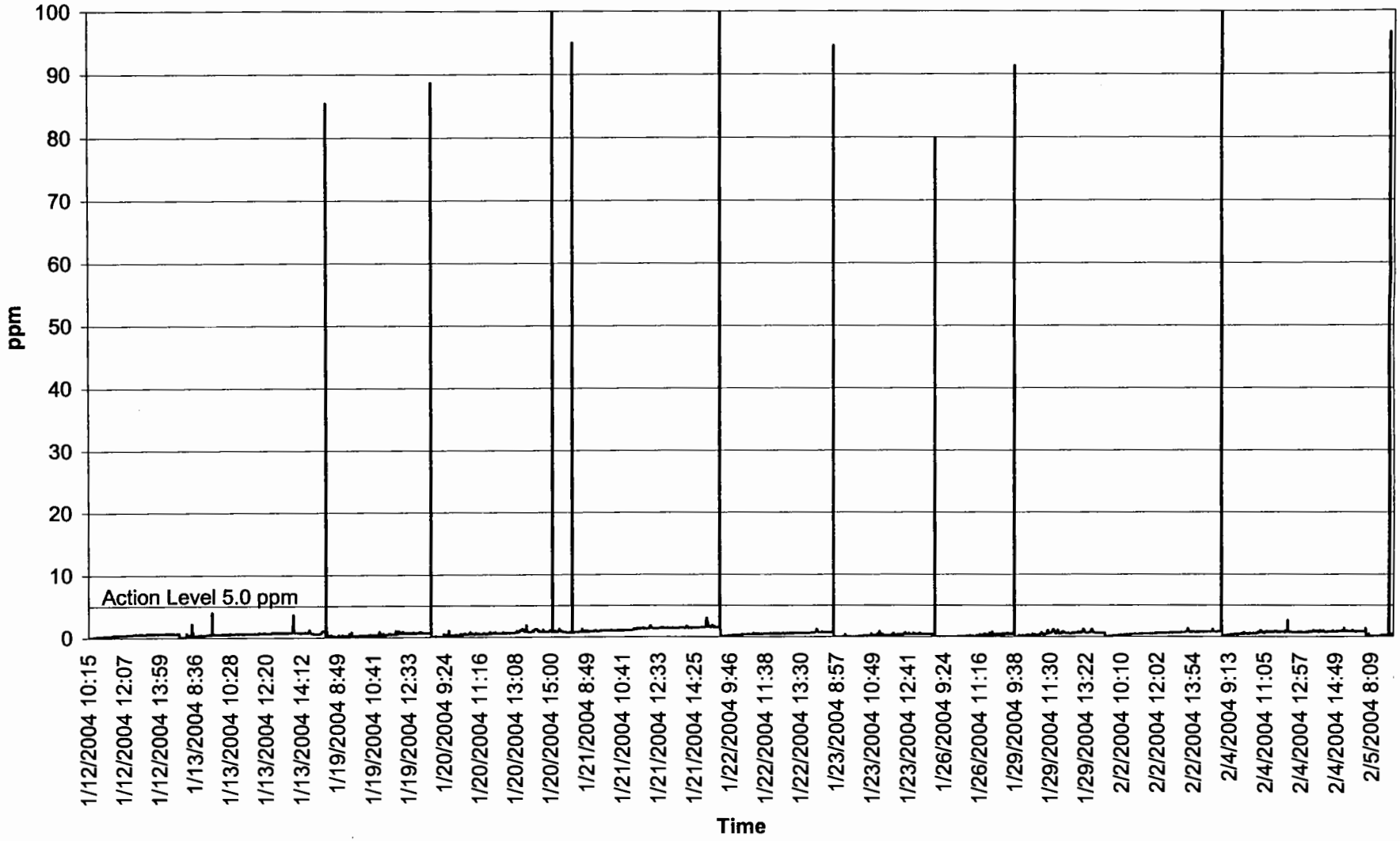
## Kingsbridge Station Air Monitoring Results Summary - PM-10 (Downwind)



## Kingsbridge Station Air Monitoring Results Summary - PM-10 (Upwind)

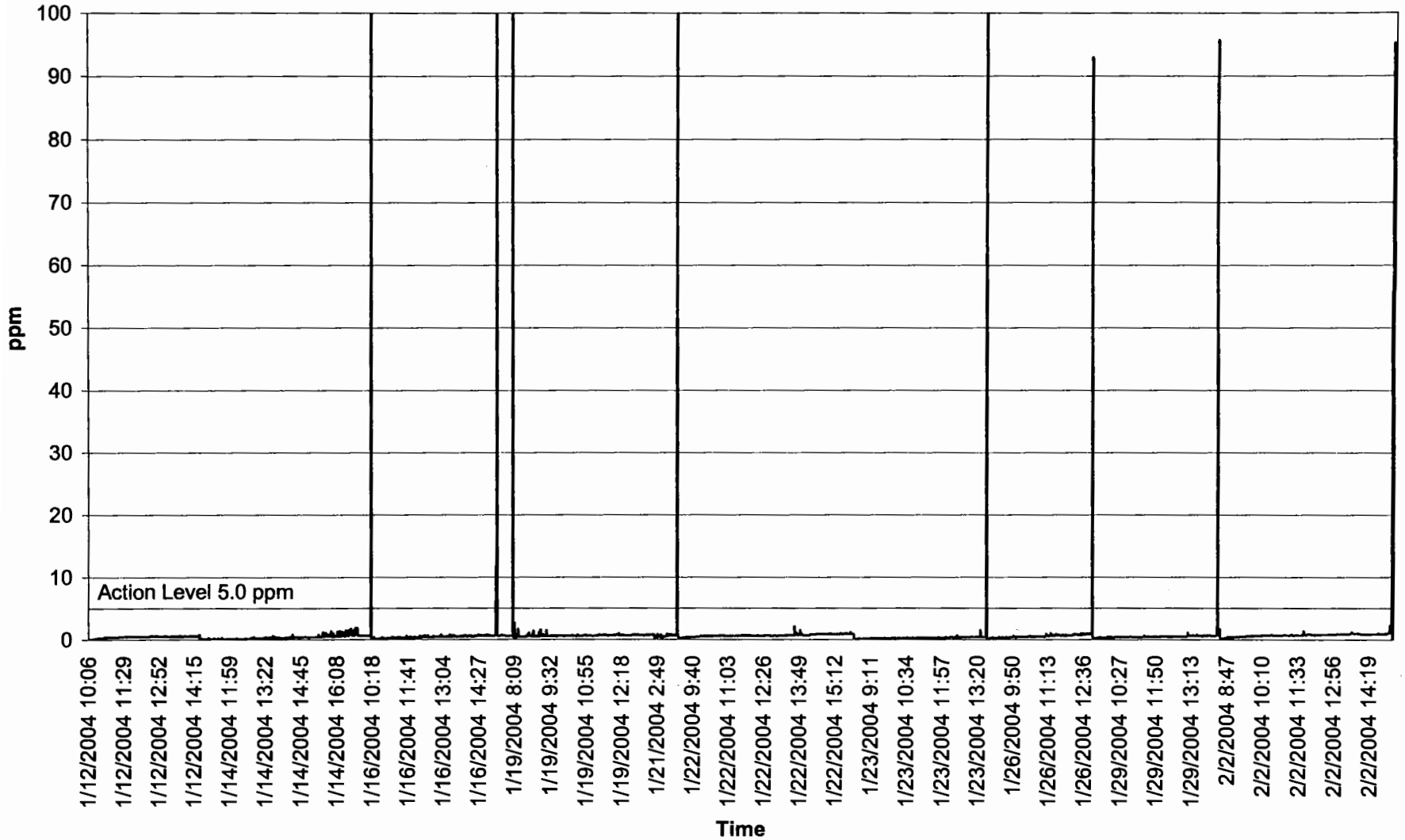


## Kingsbridge Station Air Monitoring Results Summary - TVOC (Downwind)




Note: All TVOC values exceeding 5.0 ppm are due to daily calibration checks.

## Kingsbridge Station Air Monitoring Results Summary - TVOC (Upwind)




Note: All TVOC values exceeding 5.0 ppm are due to daily calibration checks.

# Appendix C

## Laboratory Analytical Results and Data Usability Reports (Provided on CD)

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-1
Date Sampled.....: 02/24/2004
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 205951-1
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics (5mL Purge) | | | | | | | | | | | |
| | Chloromethane | ND | U | | 1 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Vinyl chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Bromomethane | ND | U | J4 | 3 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Chloroethane | ND | U | | 2 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | 1,1-Dichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Carbon disulfide | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Acetone | ND | U | | 2 | 10 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Methylene chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | trans-1,2-Dichloroethene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | 1,1-Dichloroethane | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Vinyl acetate | ND | U | | 2 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | cis-1,2-Dichloroethene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | 2-Butanone (MEK) | ND | U | J4 | 2 | 10 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Chloroform | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | 1,1,1-Trichloroethane | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Carbon tetrachloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Benzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | 1,2-Dichloroethane | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Trichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | 1,2-Dichloropropane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Bromodichloromethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | cis-1,3-Dichloropropene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | 4-Methyl-2-pentanone (MIBK) | ND | U | | 0.9 | 10 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Toluene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | trans-1,3-Dichloropropene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | 1,1,2-Trichloroethane | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Tetrachloroethene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | 2-Hexanone | ND | U | J4 | 0.7 | 10 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |

* In Description = Dry Wgt.



000005

pam 3/12/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-1
Date Sampled.....: 02/24/2004
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 205951-1
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dibromochloromethane | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Chlorobenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Ethylbenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Styrene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Bromoform | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | 1,1,2,2-Tetrachloroethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Xylenes (total) | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |

* In Description = Dry Wgt.



00000006

Zm 3/12/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-1
Date Sampled.....: 02/24/2004
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 205951-1
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol | ND | U | J9 | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Bis(2-chloroethyl)ether | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 1,3-Dichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 1,4-Dichlorobenzene | ND | U | | 0.2 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 1,2-Dichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Benzyl alcohol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2-Methylphenol | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2,2-oxybis (1-chloropropane) | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | n-Nitroso-di-n-propylamine | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Hexachloroethane | ND | U | J9 | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 4-Methylphenol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2-Chlorophenol | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Nitrobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Bis(2-chloroethoxy)methane | ND | U | | 0.2 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 1,2,4-Trichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Benzoic acid | ND | U | J4, UJ9 | 23 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Isophorone | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2,4-Dimethylphenol | ND | U | J9 | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Hexachlorobutadiene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Naphthalene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2,4-Dichlorophenol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 4-Chloroaniline | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2,4,6-Trichlorophenol | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2,4,5-Trichlorophenol | ND | U | | 0.3 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Hexachlorocyclopentadiene | ND | U | J4 | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2-Methylnaphthalene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2-Nitroaniline | ND | U | | 0.4 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2-Chloronaphthalene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |

* In Description = Dry Wgt.



Jam 3/12/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-1
Date Sampled.....: 02/24/2004
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 205951-1
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4-Chloro-3-methylphenol | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2,6-Dinitrotoluene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2-Nitrophenol | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 3-Nitroaniline | ND | U | | 0.4 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Dimethyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2,4-Dinitrophenol | ND | U | J4 | 1 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Acenaphthylene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2,4-Dinitrotoluene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Acenaphthene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Dibenzofuran | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 4-Nitrophenol | ND | U | J9 | 0.4 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Fluorene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 4-Nitroaniline | ND | U | | 0.6 | 21 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 4-Bromophenyl phenyl ether | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Hexachlorobenzene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Diethyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 4-Chlorophenyl phenyl ether | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Pentachlorophenol | ND | U | | 3 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | n-Nitrosodiphenylamine | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 4,6-Dinitro-2-methylphenol | ND | U | | 0.9 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Phenanthrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Carbazole | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Di-n-butyl phthalate | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Fluoranthene | ND | U | X | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Butyl benzyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Benzo(a)anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Chrysene | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |

* In Description = Dry Wgt.



Jan 3/12/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-1
Date Sampled.....: 02/24/2004
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 205951-1
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3,3-Dichlorobenzidine | ND | U | | 0.4 | 21 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Bis(2-ethylhexyl)phthalate | 1106 | | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Di-n-octyl phthalate | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Benzo(b)fluoranthene | ND | U | | 1 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Benzo(k)fluoranthene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Benzo(a)pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Indeno(1,2,3-cd)pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Dibenzo(a,h)anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Benzo(ghi)perylene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/06/2004

CUSTOMER: GEI CONSULTANTS, INC.

PROJECT: KINGSBRIDGE STATION

ATTN: John Bogdanski

Customer Sample ID: MW-1
Date Sampled.....: 02/24/2004
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 205951-1
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016 | ND | U | | 0.057 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0729 | kam |
| | Aroclor 1221 | ND | U | | 0.11 | 1.0 | 1.00000 | ug/L | 29327 | | 03/03/04 0729 | kam |
| | Aroclor 1232 | ND | U | | 0.081 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0729 | kam |
| | Aroclor 1242 | ND | U | | 0.072 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0729 | kam |
| | Aroclor 1248 | ND | U | | 0.060 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0729 | kam |
| | Aroclor 1254 | ND | U | | 0.094 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0729 | kam |
| | Aroclor 1260 | ND | U | | 0.082 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0729 | kam |

* In Description = Dry Wgt.



7pm 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/04/2004

CUSTOMER: GEI CONSULTANTS, INC.

PROJECT: KINGSBRIDGE STATION

ATTN: John Bogdanski

Customer Sample ID: MW-1
Date Sampled.....: 02/24/2004
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 205951-1
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9012 | Cyanide (Colorimetric)<br>Cyanide, Total | 49.5 | | | 7.0 | 10.0 | 1.0 | ug/L | 29219 | | 03/04/04 1312 | dtn |

* In Description = Dry Wgt.



0000070

Jan 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/09/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-1
Date Sampled.....: 02/24/2004
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 205951-1
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7470A | Mercury (CVAA) | | | | | | | | | | | |
| | Mercury | ND | U | | 0.18 | 0.20 | 1.0000 | ug/L | 29159 | | 03/02/04 1340 | nnp |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum | 1380 | | | 92.0 | 500 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Antimony | ND | U | | 5.4 | 20.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Arsenic | ND | U | | 3.9 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Barium | 279 | | | 0.74 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Beryllium | ND | U | | 0.54 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Cadmium | ND | U | | 1.1 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Calcium | 301000 J19 | | | 56.0 | 300 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Chromium | 7.5 J21 | J | | 1.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Cobalt | 6.2 | J | | 1.8 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Copper | 9.0 | J | | 4.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Iron | 3160 | | | 54.0 | 200 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Lead | 3.8 | J | | 3.0 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Magnesium | 117000 | | | 26.0 | 100 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Manganese | 244 | | | 6.9 | 15.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Nickel | 22.3 | | | 1.9 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Potassium | 21700 | | | 955 | 2000 | 5 | ug/L | 29426 | | 03/04/04 1736 | nnp |
| | Selenium | 6.1 | J | | 5.0 | 30.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Silver | ND | U | | 1.1 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Sodium | 449000 | | | 490 | 2000 | 5 | ug/L | 29426 | | 03/04/04 1736 | nnp |
| | Thallium | ND | U | J16 | 10.0 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Vanadium | 4.7 | J | | 1.5 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Zinc | 16.7 | J | | 11.0 | 50.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |

* In Description = Dry Wgt.



Dam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-2
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-2
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics (5mL Purge) | | | | | | | | | | | |
| | Chloromethane | ND | U | | 1 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Vinyl chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Bromomethane | ND | U | | 3 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Chloroethane | ND | U | J4 | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | 1,1-Dichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Carbon disulfide | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Acetone | 1006, → UJ3, | + | UJ4 | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Methylene chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | trans-1,2-Dichloroethene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | 1,1-Dichloroethane | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Vinyl acetate | ND | U | | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | cis-1,2-Dichloroethene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | 2-Butanone (MEK) | ND | U | | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Chloroform | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | 1,1,1-Trichloroethane | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Carbon tetrachloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Benzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | 1,2-Dichloroethane | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Trichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | 1,2-Dichloropropane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Bromodichloromethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | cis-1,3-Dichloropropene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | 4-Methyl-2-pentanone (MIBK) | ND | U | | 0.9 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Toluene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | trans-1,3-Dichloropropene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | 1,1,2-Trichloroethane | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Tetrachloroethene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | 2-Hexanone | ND | U | | 0.7 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |

* In Description = Dry Wgt.



Jan 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-2
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-2
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dibromochloromethane | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Chlorobenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Ethylbenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Styrene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Bromoform | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | 1,1,2,2-Tetrachloroethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Xylenes (total) | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |

* In Description = Dry Wgt.



00000008

Dam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-2
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-2
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol | ND | U | J9 | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Bis(2-chloroethyl)ether | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 1,3-Dichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 1,4-Dichlorobenzene | ND | U | | 0.2 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 1,2-Dichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Benzyl alcohol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2-Methylphenol | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2,2-oxybis (1-chloropropane) | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | n-Nitroso-di-n-propylamine | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Hexachloroethane | ND | U | J9 | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 4-Methylphenol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2-Chlorophenol | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Nitrobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Bis(2-chloroethoxy)methane | ND | U | | 0.2 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 1,2,4-Trichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Benzoic acid | ND | U | J4, UJ9 | 22 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Isophorone | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2,4-Dimethylphenol | ND | U | J9 | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Hexachlorobutadiene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Naphthalene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2,4-Dichlorophenol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 4-Chloroaniline | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2,4,6-Trichlorophenol | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2,4,5-Trichlorophenol | ND | U | | 0.3 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Hexachlorocyclopentadiene | ND | U | J4 | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2-Methylnaphthalene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2-Nitroaniline | ND | U | | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2-Chloronaphthalene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |

* In Description = Dry Wgt.



Jan 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-2
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-2
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4-Chloro-3-methylphenol | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2,6-Dinitrotoluene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2-Nitrophenol | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 3-Nitroaniline | ND | U | | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Dimethyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2,4-Dinitrophenol | ND | U | J4 | 1 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Acenaphthylene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2,4-Dinitrotoluene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Acenaphthene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Dibenzofuran | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 4-Nitrophenol | ND | U | J9 | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Fluorene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 4-Nitroaniline | ND | U | | 0.6 | 20 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 4-Bromophenyl phenyl ether | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Hexachlorobenzene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Diethyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 4-Chlorophenyl phenyl ether | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Pentachlorophenol | ND | U | | 3 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | n-Nitrosodiphenylamine | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 4,6-Dinitro-2-methylphenol | ND | U | | 0.9 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Phenanthrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Carbazole | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Di-n-butyl phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Fluoranthene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Butyl benzyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Benzo(a)anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Chrysene | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |

* In Description = Dry Wgt.



0000029

Jam 3/12/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-2
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-2
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3,3-Dichlorobenzidine | ND | U | | 0.4 | 20 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Bis(2-ethylhexyl)phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Di-n-octyl phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Benzo(b)fluoranthene | ND | U | | 1 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Benzo(k)fluoranthene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Benzo(a)pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Indeno(1,2,3-cd)pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Dibenzo(a,h)anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Benzo(ghi)perylene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/06/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-2
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-2
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016 | ND | U | | 0.057 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0747 | kam |
| | Aroclor 1221 | ND | U | | 0.11 | 1.0 | 1.00000 | ug/L | 29327 | | 03/03/04 0747 | kam |
| | Aroclor 1232 | ND | U | | 0.081 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0747 | kam |
| | Aroclor 1242 | ND | U | | 0.072 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0747 | kam |
| | Aroclor 1248 | ND | U | | 0.060 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0747 | kam |
| | Aroclor 1254 | ND | U | | 0.094 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0747 | kam |
| | Aroclor 1260 | 0.74 J2 | S | | 0.082 | 0.50 | 1.00000 | ug/L | 29328 | | 03/03/04 0747 | kam |

* In Description = Dry Wgt.



jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/04/2004

CUSTOMER: GEI CONSULTANTS, INC.

PROJECT: KINGSBRIDGE STATION

ATTN: John Bogdanski

Customer Sample ID: MW-2
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-2
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9012 | Cyanide (Colorimetric)<br>Cyanide, Total | 43.7 | | | 7.0 | 10.0 | 1.0 | ug/L | 29219 | | 03/04/04 1315 | dtn |

* In Description = Dry Wgt.



000071

Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/09/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-2
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-2
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7470A | Mercury (CVAA) | | | | | | | | | | | |
| | Mercury | ND | U | | 0.18 | 0.20 | 1.0000 | ug/L | 29159 | | 03/02/04 1345 | nnp |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum | ND | U | | 92.0 | 500 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Antimony | ND | U | | 5.4 | 20.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Arsenic | ND | U | | 3.9 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Barium | 54.7 | | | 0.74 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Beryllium | ND | U | | 0.54 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Cadmium | ND | U | | 1.1 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Calcium | 132000 J19 | | | 56.0 | 300 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Chromium | ND | U | | 1.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Cobalt | ND | U | | 1.8 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Copper | ND | U | | 4.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Iron | ND | U | | 54.0 | 200 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Lead | ND | U | | 3.0 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Magnesium | 18700 | | | 26.0 | 100 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Manganese | 39.9 | | | 6.9 | 15.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Nickel | ND | U | | 1.9 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Potassium | 23900 | | | 191 | 400 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Selenium | ND | U | | 5.0 | 30.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Silver | ND | U | | 1.1 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Sodium | 102000 | | | 98.0 | 400 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Thallium | ND | U | | 10.0 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Vanadium | 3.4 | J | | 1.5 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Zinc | ND | U | | 11.0 | 50.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |

* In Description = Dry Wgt.



Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-3
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-3
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics (5mL Purge) | | | | | | | | | | | |
| | Chloromethane | ND | U | | 1 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Vinyl chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Bromomethane | ND | U | | 3 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Chloroethane | ND | U | J4 | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | 1,1-Dichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Carbon disulfide | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Acetone | ND | U | J4 | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Methylene chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | trans-1,2-Dichloroethene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | 1,1-Dichloroethane | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Vinyl acetate | ND | U | | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | cis-1,2-Dichloroethene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | 2-Butanone (MEK) | ND | U | | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Chloroform | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | 1,1,1-Trichloroethane | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Carbon tetrachloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Benzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | 1,2-Dichloroethane | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Trichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | 1,2-Dichloropropane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Bromodichloromethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | cis-1,3-Dichloropropene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | 4-Methyl-2-pentanone (MIBK) | ND | U | | 0.9 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Toluene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | trans-1,3-Dichloropropene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | 1,1,2-Trichloroethane | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Tetrachloroethene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | 2-Hexanone | ND | U | | 0.7 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |

* In Description = Dry Wgt.



Yam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-3
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-3
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dibromochloromethane | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Chlorobenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Ethylbenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Styrene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Bromoform | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | 1,1,2,2-Tetrachloroethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Xylenes (total) | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |

* In Description = Dry Wgt.



tam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-3
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-3
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol | ND | U | J9 | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Bis(2-chloroethyl)ether | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 1,3-Dichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 1,4-Dichlorobenzene | ND | U | | 0.2 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 1,2-Dichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Benzyl alcohol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2-Methylphenol | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2,2-oxybis (1-chloropropane) | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | n-Nitroso-di-n-propylamine | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Hexachloroethane | ND | U | J9 | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 4-Methylphenol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2-Chlorophenol | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Nitrobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Bis(2-chloroethoxy)methane | ND | U | | 0.2 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 1,2,4-Trichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Benzoic acid | ND | U | J4, UJ9 | 23 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Isophorone | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2,4-Dimethylphenol | ND | U | J9 | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Hexachlorobutadiene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Naphthalene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2,4-Dichlorophenol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 4-Chloroaniline | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2,4,6-Trichlorophenol | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2,4,5-Trichlorophenol | ND | U | | 0.3 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Hexachlorocyclopentadiene | ND | U | J4 | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2-Methylnaphthalene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2-Nitroaniline | ND | U | | 0.4 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2-Chloronaphthalene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |

* In Description = Dry Wgt.



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Tam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-3
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-3
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4-Chloro-3-methylphenol | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2,6-Dinitrotoluene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2-Nitrophenol | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 3-Nitroaniline | ND | U | | 0.4 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Dimethyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2,4-Dinitrophenol | ND | U | J4 | 1 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Acenaphthylene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2,4-Dinitrotoluene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Acenaphthene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Dibenzofuran | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 4-Nitrophenol | ND | U | J9 | 0.4 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Fluorene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 4-Nitroaniline | ND | U | | 0.6 | 21 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 4-Bromophenyl phenyl ether | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Hexachlorobenzene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Diethyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 4-Chlorophenyl phenyl ether | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Pentachlorophenol | ND | U | | 3 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | n-Nitrosodiphenylamine | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 4,6-Dinitro-2-methylphenol | ND | U | | 0.9 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Phenanthrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Carbazole | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Di-n-butyl phthalate | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Fluoranthene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Butyl benzyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Benzo(a)anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Chrysene | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-3
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-3
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3,3-Dichlorobenzidine | ND | U | | 0.4 | 21 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Bis(2-ethylhexyl)phthalate | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Di-n-octyl phthalate | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Benzo(b)fluoranthene | ND | U | | 1 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Benzo(k)fluoranthene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Benzo(a)pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Indeno(1,2,3-cd)pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Dibenzo(a,h)anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Benzo(ghi)perylene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/06/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-3
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-3
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016 | ND | U | | 0.057 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0805 | kam |
| | Aroclor 1221 | ND | U | | 0.11 | 1.0 | 1.00000 | ug/L | 29327 | | 03/03/04 0805 | kam |
| | Aroclor 1232 | ND | U | | 0.081 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0805 | kam |
| | Aroclor 1242 | ND | U | | 0.072 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0805 | kam |
| | Aroclor 1248 | ND | U | | 0.060 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0805 | kam |
| | Aroclor 1254 | ND | U | | 0.094 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0805 | kam |
| | Aroclor 1260 | ND | U | | 0.082 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0805 | kam |

* In Description = Dry Wgt.



Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/04/2004

CUSTOMER: GEI CONSULTANTS, INC.

PROJECT: KINGSBRIDGE STATION

ATTN: John Bogdanski

Customer Sample ID: MW-3
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-3
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9012 | Cyanide (Colorimetric)<br>Cyanide, Total | ND | U | | 7.0 | 10.0 | 1.0 | ug/L | 29219 | | 03/04/04 1316 | dtn |

* In Description = Dry Wgt.



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Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/09/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-3
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-3
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7470A | Mercury (CVAA) | | | | | | | | | | | |
| | Mercury | ND | U | | 0.18 | 0.20 | 1.0000 | ug/L | 29159 | | 03/02/04 1346 | nnp |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum | 190 | | | 92.0 | 500 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Antimony | ND | U | | 5.4 | 20.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Arsenic | ND | U | | 3.9 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Barium | 70.9 | | | 0.74 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Beryllium | ND | U | | 0.54 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Cadmium | ND | U | | 1.1 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Calcium | 228000 | | J19 | 56.0 | 300 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Chromium | ND | U | | 1.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Cobalt | ND | U | | 1.8 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Copper | ND | U | | 4.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Iron | 2270 | | | 54.0 | 200 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Lead | ND | U | | 3.0 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Magnesium | 74300 | | | 26.0 | 100 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Manganese | 1390 | | | 6.9 | 15.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Nickel | 12.6 | | | 1.9 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Potassium | 21900 | | | 191 | 400 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Selenium | ND | U | | 5.0 | 30.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Silver | ND | U | | 1.1 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Sodium | 61100 | | | 98.0 | 400 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Thallium | ND | U | J16 | 10.0 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Vanadium | ND | U | | 1.5 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Zinc | ND | U | | 11.0 | 50.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |

* In Description = Dry Wgt.



000003

Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4S
Date Sampled.....: 02/25/2004
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 205951-4
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics (5mL Purge) | | | | | | | | | | | |
| | Chloromethane | ND | U | | 1 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Vinyl chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Bromomethane | ND | U | | 3 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Chloroethane | ND | U | J4 | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | 1,1-Dichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Carbon disulfide | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Acetone | ND | U | J4 | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Methylene chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | trans-1,2-Dichloroethene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | 1,1-Dichloroethane | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Vinyl acetate | ND | U | | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | cis-1,2-Dichloroethene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | 2-Butanone (MEK) | ND | U | | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Chloroform | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | 1,1,1-Trichloroethane | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Carbon tetrachloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Benzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | 1,2-Dichloroethane | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Trichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | 1,2-Dichloropropane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Bromodichloromethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | cis-1,3-Dichloropropene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | 4-Methyl-2-pentanone (MIBK) | ND | U | | 0.9 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Toluene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | trans-1,3-Dichloropropene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | 1,1,2-Trichloroethane | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Tetrachloroethene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | 2-Hexanone | ND | U | | 0.7 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |

* In Description = Dry Wgt.



000011

Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4S
Date Sampled.....: 02/25/2004
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 205951-4
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dibromochloromethane | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Chlorobenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Ethylbenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Styrene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Bromoform | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | 1,1,2,2-Tetrachloroethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Xylenes (total) | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4S
Date Sampled.....: 02/25/2004
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 205951-4
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol | ND | U | J9 | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Bis(2-chloroethyl)ether | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 1,3-Dichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 1,4-Dichlorobenzene | ND | U | | 0.2 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 1,2-Dichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Benzyl alcohol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2-Methylphenol | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2,2-oxybis (1-chloropropane) | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | n-Nitroso-di-n-propylamine | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Hexachloroethane | ND | U | J9 | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 4-Methylphenol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2-Chlorophenol | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Nitrobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Bis(2-chloroethoxy)methane | ND | U | | 0.2 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 1,2,4-Trichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Benzoic acid | ND | U | J4, UJ9 | 22 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Isophorone | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2,4-Dimethylphenol | ND | U | J9 | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Hexachlorobutadiene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Naphthalene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2,4-Dichlorophenol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 4-Chloroaniline | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2,4,6-Trichlorophenol | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2,4,5-Trichlorophenol | ND | U | | 0.3 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Hexachlorocyclopentadiene | ND | U | J4 | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2-Methylnaphthalene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2-Nitroaniline | ND | U | | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2-Chloronaphthalene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4S
Date Sampled.....: 02/25/2004
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 205951-4
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4-Chloro-3-methylphenol | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2,6-Dinitrotoluene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2-Nitrophenol | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 3-Nitroaniline | ND | U | | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Dimethyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2,4-Dinitrophenol | ND | U | J4 | 1 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Acenaphthylene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2,4-Dinitrotoluene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Acenaphthene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Dibenzofuran | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 4-Nitrophenol | ND | U | J9 | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Fluorene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 4-Nitroaniline | ND | U | | 0.6 | 20 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 4-Bromophenyl phenyl ether | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Hexachlorobenzene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Diethyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 4-Chlorophenyl phenyl ether | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Pentachlorophenol | ND | U | | 3 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | n-Nitrosodiphenylamine | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 4,6-Dinitro-2-methylphenol | ND | U | | 0.9 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Phenanthrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Carbazole | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Di-n-butyl phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Fluoranthene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Butyl benzyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Benzo(a)anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Chrysene | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |

* In Description = Dry Wgt.



DAM 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4S
Date Sampled.....: 02/25/2004
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 205951-4
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3,3-Dichlorobenzidine | ND | U | | 0.4 | 20 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Bis(2-ethylhexyl)phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Di-n-octyl phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Benzo(b)fluoranthene | ND | U | | 1 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Benzo(k)fluoranthene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Benzo(a)pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Indeno(1,2,3-cd)pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Dibenzo(a,h)anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Benzo(ghi)perylene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |

* In Description = Dry Wgt.



dm 3/11/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/06/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4S
Date Sampled.....: 02/25/2004
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 205951-4
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016 | ND | U | | 0.057 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0823 | kam |
| | Aroclor 1221 | ND | U | | 0.11 | 1.0 | 1.00000 | ug/L | 29327 | | 03/03/04 0823 | kam |
| | Aroclor 1232 | ND | U | | 0.081 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0823 | kam |
| | Aroclor 1242 | ND | U | | 0.072 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0823 | kam |
| | Aroclor 1248 | ND | U | | 0.060 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0823 | kam |
| | Aroclor 1254 | ND | U | | 0.094 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0823 | kam |
| | Aroclor 1260 | ND | U | | 0.082 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0823 | kam |

* In Description = Dry Wgt.



dm 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/04/2004

CUSTOMER: GEI CONSULTANTS, INC.

PROJECT: KINGSBRIDGE STATION

ATTN: John Bogdanski

Customer Sample ID: MW-4S
Date Sampled.....: 02/25/2004
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 205951-4
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9012 | Cyanide (Colorimetric)<br>Cyanide, Total | ND | U | | 7.0 | 10.0 | 1.0 | ug/L | 29219 | | 03/04/04 1317 | dtn |

* In Description = Dry Wgt.



000007 3

Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/09/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4S
Date Sampled.....: 02/25/2004
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 205951-4
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7470A | Mercury (CVAA) | | | | | | | | | | | |
| | Mercury | ND | U | | 0.18 | 0.20 | 1.0000 | ug/L | 29159 | | 03/02/04 1347 | nnp |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum | 103 | | | 92.0 | 500 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Antimony | ND | U | | 5.4 | 20.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Arsenic | ND | U | | 3.9 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Barium | 379 | | | 0.74 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Beryllium | ND | U | | 0.54 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Cadmium | ND | U | | 1.1 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Calcium | 205000 | | J19 | 56.0 | 300 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Chromium | ND | U | | 1.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Cobalt | ND | U | | 1.8 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Copper | ND | U | | 4.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Iron | 10600 | | | 54.0 | 200 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Lead | ND | U | | 3.0 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Magnesium | 68900 | | | 26.0 | 100 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Manganese | 3290 | | | 6.9 | 15.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Nickel | 2.0 | | | 1.9 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Potassium | 23700 | | | 191 | 400 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Selenium | ND | U | | 5.0 | 30.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Silver | ND | U | | 1.1 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Sodium | 132000 | | | 98.0 | 400 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Thallium | ND | U | J16 | 10.0 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Vanadium | ND | U | | 1.5 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Zinc | ND | U | | 11.0 | 50.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |

* In Description = Dry Wgt.



000064

Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4D
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-5
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics (5mL Purge) | | | | | | | | | | | |
| | Chloromethane | ND | U | | 1 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Vinyl chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Bromomethane | ND | U | | 3 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Chloroethane | ND | U | J4 | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | 1,1-Dichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Carbon disulfide | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Acetone | ND | U | J4 | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Methylene chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | trans-1,2-Dichloroethene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | 1,1-Dichloroethane | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Vinyl acetate | ND | U | | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | cis-1,2-Dichloroethene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | 2-Butanone (MEK) | ND | U | | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Chloroform | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | 1,1,1-Trichloroethane | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Carbon tetrachloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Benzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | 1,2-Dichloroethane | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Trichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | 1,2-Dichloropropane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Bromodichloromethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | cis-1,3-Dichloropropene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | 4-Methyl-2-pentanone (MIBK) | ND | U | | 0.9 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Toluene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | trans-1,3-Dichloropropene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | 1,1,2-Trichloroethane | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Tetrachloroethene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | 2-Hexanone | ND | U | | 0.7 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |

* In Description = Dry Wgt.



Pam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4D
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-5
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dibromochloromethane | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Chlorobenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Ethylbenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Styrene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Bromoform | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | 1,1,2,2-Tetrachloroethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Xylenes (total) | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |

* In Description = Dry Wgt.



00000014

Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4D
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-5
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol | ND | U | J9 | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Bis(2-chloroethyl)ether | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 1,3-Dichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 1,4-Dichlorobenzene | ND | U | | 0.2 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 1,2-Dichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Benzyl alcohol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2-Methylphenol | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2,2-oxybis (1-chloropropane) | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | n-Nitroso-di-n-propylamine | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Hexachloroethane | ND | U | J9 | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 4-Methylphenol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2-Chlorophenol | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Nitrobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Bis(2-chloroethoxy)methane | ND | U | | 0.2 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 1,2,4-Trichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Benzoic acid | ND | U | J4, UJ9 | 22 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Isophorone | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2,4-Dimethylphenol | ND | U | J9 | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Hexachlorobutadiene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Naphthalene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2,4-Dichlorophenol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 4-Chloroaniline | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2,4,6-Trichlorophenol | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2,4,5-Trichlorophenol | ND | U | | 0.3 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Hexachlorocyclopentadiene | ND | U | J4 | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2-Methylnaphthalene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2-Nitroaniline | ND | U | | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2-Chloronaphthalene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |

* In Description = Dry Wgt.



000003 14

JAM 3/15/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4D
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-5
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4-Chloro-3-methylphenol | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2,6-Dinitrotoluene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2-Nitrophenol | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 3-Nitroaniline | ND | U | | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Dimethyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2,4-Dinitrophenol | ND | U | J4 | 1 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Acenaphthylene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2,4-Dinitrotoluene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Acenaphthene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Dibenzofuran | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 4-Nitrophenol | ND | U | J9 | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Fluorene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 4-Nitroaniline | ND | U | | 0.6 | 20 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 4-Bromophenyl phenyl ether | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Hexachlorobenzene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Diethyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 4-Chlorophenyl phenyl ether | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Pentachlorophenol | ND | U | | 3 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | n-Nitrosodiphenylamine | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 4,6-Dinitro-2-methylphenol | ND | U | | 0.9 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Phenanthrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Carbazole | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Di-n-butyl phthalate | ND | U | M | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Fluoranthene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Butyl benzyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Benzo(a)anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Chrysene | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4D
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-5
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3,3-Dichlorobenzidine | ND | U | | 0.4 | 20 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Bis(2-ethylhexyl)phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Di-n-octyl phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Benzo(b)fluoranthene | ND | U | | 1 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Benzo(k)fluoranthene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Benzo(a)pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Indeno(1,2,3-cd)pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Dibenzo(a,h)anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Benzo(ghi)perylene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/06/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4D
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-5
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016 | ND | U | | 0.057 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0842 | kam |
| | Aroclor 1221 | ND | U | | 0.11 | 1.0 | 1.00000 | ug/L | 29327 | | 03/03/04 0842 | kam |
| | Aroclor 1232 | ND | U | | 0.081 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0842 | kam |
| | Aroclor 1242 | ND | U | | 0.072 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0842 | kam |
| | Aroclor 1248 | ND | U | | 0.060 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0842 | kam |
| | Aroclor 1254 | ND | U | | 0.094 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0842 | kam |
| | Aroclor 1260 | ND | U | | 0.082 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0842 | kam |

* In Description = Dry Wgt.



Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/04/2004

CUSTOMER: GEI CONSULTANTS, INC.

PROJECT: KINGSBRIDGE STATION

ATTN: John Bogdanski

Customer Sample ID: MW-4D
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-5
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9012 | Cyanide (Colorimetric)<br>Cyanide, Total | ND | U | | 7.0 | 10.0 | 1.0 | ug/L | 29219 | | 03/04/04 1320 | dtn |

* In Description = Dry Wgt.



000007 4

Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/09/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4D
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-5
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7470A | Mercury (CVAA) | | | | | | | | | | | |
| | Mercury | ND | U | | 0.18 | 0.20 | 1.0000 | ug/L | 29159 | | 03/02/04 1348 | nnp |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum | 191 | | | 92.0 | 500 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Antimony | ND | U | | 5.4 | 20.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Arsenic | ND | U | | 3.9 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Barium | 57.5 | | | 0.74 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Beryllium | ND | U | | 0.54 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Cadmium | ND | U | | 1.1 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Calcium | 113000 J19 | | | 56.0 | 300 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Chromium | ND | U | | 1.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Cobalt | ND | U | | 1.8 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Copper | ND | U | | 4.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Iron | 913 | | | 54.0 | 200 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Lead | ND | U | | 3.0 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Magnesium | 33100 | | | 26.0 | 100 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Manganese | 378 | | | 6.9 | 15.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Nickel | ND | U | | 1.9 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Potassium | 13300 J14 | | | 191 | 400 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Selenium | ND | U | | 5.0 | 30.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Silver | ND | U | | 1.1 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Sodium | 26100 | | | 98.0 | 400 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Thallium | ND | U | | 10.0 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Vanadium | ND | U | | 1.5 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Zinc | ND | U | | 11.0 | 50.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |

* In Description = Dry Wgt.



Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5S
Date Sampled.....: 02/25/2004
Time Sampled.....: 15:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-6
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics (5mL Purge) | | | | | | | | | | | |
| | Chloromethane | ND | U | | 1 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Vinyl chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Bromomethane | ND | U | | 3 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Chloroethane | ND | U | J4 | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | 1,1-Dichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Carbon disulfide | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Acetone | ND | U | J4 | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Methylene chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | trans-1,2-Dichloroethene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | 1,1-Dichloroethane | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Vinyl acetate | ND | U | | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | cis-1,2-Dichloroethene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | 2-Butanone (MEK) | ND | U | | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Chloroform | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | 1,1,1-Trichloroethane | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Carbon tetrachloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Benzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | 1,2-Dichloroethane | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Trichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | 1,2-Dichloropropane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Bromodichloromethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | cis-1,3-Dichloropropene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | 4-Methyl-2-pentanone (MIBK) | ND | U | | 0.9 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Toluene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | trans-1,3-Dichloropropene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | 1,1,2-Trichloroethane | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Tetrachloroethene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | 2-Hexanone | ND | U | | 0.7 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |

* In Description = Dry Wgt.



0000015

Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5S
Date Sampled.....: 02/25/2004
Time Sampled.....: 15:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-6
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dibromochloromethane | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Chlorobenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Ethylbenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Styrene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Bromoform | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | 1,1,2,2-Tetrachloroethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Xylenes (total) | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5S
Date Sampled.....: 02/25/2004
Time Sampled.....: 15:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-6
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol | ND | U | J9 | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Bis(2-chloroethyl)ether | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 1,3-Dichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 1,4-Dichlorobenzene | ND | U | | 0.2 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 1,2-Dichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Benzyl alcohol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2-Methylphenol | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2,2-oxybis (1-chloropropane) | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | n-Nitroso-di-n-propylamine | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Hexachloroethane | ND | U | J9 | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 4-Methylphenol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2-Chlorophenol | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Nitrobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Bis(2-chloroethoxy)methane | ND | U | | 0.2 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 1,2,4-Trichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Benzoic acid | ND | U | J4, UJ9 | 22 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Isophorone | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2,4-Dimethylphenol | ND | U | J9 | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Hexachlorobutadiene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Naphthalene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2,4-Dichlorophenol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 4-Chloroaniline | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2,4,6-Trichlorophenol | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2,4,5-Trichlorophenol | ND | U | | 0.3 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Hexachlorocyclopentadiene | ND | U | J4 | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2-Methylnaphthalene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2-Nitroaniline | ND | U | | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2-Chloronaphthalene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |

* In Description = Dry Wgt.



Jam 3/12/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5S
Date Sampled.....: 02/25/2004
Time Sampled.....: 15:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-6
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4-Chloro-3-methylphenol | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2,6-Dinitrotoluene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2-Nitrophenol | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 3-Nitroaniline | ND | U | | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Dimethyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2,4-Dinitrophenol | ND | U | J4 | 1 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Acenaphthylene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2,4-Dinitrotoluene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Acenaphthene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Dibenzofuran | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 4-Nitrophenol | ND | U | J9 | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Fluorene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 4-Nitroaniline | ND | U | | 0.6 | 20 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 4-Bromophenyl phenyl ether | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Hexachlorobenzene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Diethyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 4-Chlorophenyl phenyl ether | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Pentachlorophenol | ND | U | | 3 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | n-Nitrosodiphenylamine | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 4,6-Dinitro-2-methylphenol | ND | U | | 0.9 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Phenanthrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Carbazole | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Di-n-butyl phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Fluoranthene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Butyl benzyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Benzo(a)anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Chrysene | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |

* In Description = Dry Wgt.



000004

Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5S
Date Sampled.....: 02/25/2004
Time Sampled.....: 15:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-6
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3,3-Dichlorobenzidine | ND | U | | 0.4 | 20 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Bis(2-ethylhexyl)phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Di-n-octyl phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Benzo(b)fluoranthene | ND | U | | 1 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Benzo(k)fluoranthene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Benzo(a)pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Indeno(1,2,3-cd)pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Dibenzo(a,h)anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Benzo(ghi)perylene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |

* In Description = Dry Wgt.



Jan 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/06/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5S
Date Sampled.....: 02/25/2004
Time Sampled.....: 15:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-6
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016 | ND | U | | 0.057 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0900 | kam |
| | Aroclor 1221 | ND | U | | 0.11 | 1.0 | 1.00000 | ug/L | 29327 | | 03/03/04 0900 | kam |
| | Aroclor 1232 | ND | U | | 0.081 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0900 | kam |
| | Aroclor 1242 | ND | U | | 0.072 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0900 | kam |
| | Aroclor 1248 | ND | U | | 0.060 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0900 | kam |
| | Aroclor 1254 | ND | U | | 0.094 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0900 | kam |
| | Aroclor 1260 | ND | U | | 0.082 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0900 | kam |

* In Description = Dry Wgt.



000087

zam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/04/2004

CUSTOMER: GEI CONSULTANTS, INC.

PROJECT: KINGSBRIDGE STATION

ATTN: John Bogdanski

Customer Sample ID: MW-5S
Date Sampled.....: 02/25/2004
Time Sampled.....: 15:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-6
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9012 | Cyanide (Colorimetric)<br>Cyanide, Total | ND | U | | 7.0 | 10.0 | 1.0 | ug/L | 29219 | | 03/04/04 1321 | dtn |

* In Description = Dry Wgt.



0000075

Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/09/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5S
Date Sampled.....: 02/25/2004
Time Sampled.....: 15:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-6
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7470A | Mercury (CVAA) | | | | | | | | | | | |
| | Mercury | ND | U | | 0.18 | 0.20 | 1.0000 | ug/L | 29159 | | 03/02/04 1349 | nnp |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum | ND | U | | 92.0 | 500 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Antimony | ND | U | | 5.4 | 20.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Arsenic | ND | U | | 3.9 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Barium | 76.0 | | | 0.74 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Beryllium | ND | U | | 0.54 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Cadmium | 1.1 | | | 1.1 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Calcium | 178000 J19 | | | 56.0 | 300 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Chromium | ND | U | | 1.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Cobalt | 8.4 | | | 1.8 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Copper | ND | U | | 4.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Iron | ND | U | | 54.0 | 200 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Lead | ND | U | | 3.0 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Magnesium | 62400 | | | 26.0 | 100 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Manganese | 1650 | | | 6.9 | 15.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Nickel | 45.7 | | | 1.9 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Potassium | 18100 | | | 191 | 400 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Selenium | ND | U | | 5.0 | 30.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Silver | ND | U | | 1.1 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Sodium | 130000 | | | 98.0 | 400 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Thallium | ND | U | | 10.0 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Vanadium | ND | U | | 1.5 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Zinc | 11.5 | | | 11.0 | 50.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |

* In Description = Dry Wgt.



Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-7
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics (5mL Purge) | | | | | | | | | | | |
| | Chloromethane | ND | U | | 1 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Vinyl chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Bromomethane | ND | U | | 3 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Chloroethane | ND | U | J4 | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | 1,1-Dichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Carbon disulfide | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Acetone | ND | U | J4 | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Methylene chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | trans-1,2-Dichloroethene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | 1,1-Dichloroethane | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Vinyl acetate | ND | U | | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | cis-1,2-Dichloroethene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | 2-Butanone (MEK) | ND | U | | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Chloroform | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | 1,1,1-Trichloroethane | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Carbon tetrachloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Benzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | 1,2-Dichloroethane | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Trichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | 1,2-Dichloropropane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Bromodichloromethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | cis-1,3-Dichloropropene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | 4-Methyl-2-pentanone (MIBK) | ND | U | | 0.9 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Toluene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | trans-1,3-Dichloropropene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | 1,1,2-Trichloroethane | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Tetrachloroethene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | 2-Hexanone | ND | U | | 0.7 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-7
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dibromochloromethane | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Chlorobenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Ethylbenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Styrene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Bromoform | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | 1,1,2,2-Tetrachloroethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Xylenes (total) | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |

* In Description = Dry Wgt.



000018

Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-7
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol | ND | U | J9 | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Bis(2-chloroethyl)ether | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 1,3-Dichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 1,4-Dichlorobenzene | ND | U | | 0.2 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 1,2-Dichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Benzyl alcohol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2-Methylphenol | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2,2-oxybis (1-chloropropane) | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | n-Nitroso-di-n-propylamine | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Hexachloroethane | ND | U | J9 | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 4-Methylphenol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2-Chlorophenol | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Nitrobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Bis(2-chloroethoxy)methane | ND | U | | 0.2 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 1,2,4-Trichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Benzoic acid | ND | U | J4, vJ9 | 22 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Isophorone | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2,4-Dimethylphenol | ND | U | J9 | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Hexachlorobutadiene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Naphthalene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2,4-Dichlorophenol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 4-Chloroaniline | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2,4,6-Trichlorophenol | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2,4,5-Trichlorophenol | ND | U | | 0.3 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Hexachlorocyclopentadiene | ND | U | J4 | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2-Methylnaphthalene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2-Nitroaniline | ND | U | | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2-Chloronaphthalene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |

* In Description = Dry Wgt.



000043

Jan 3/15/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-7
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4-Chloro-3-methylphenol | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2,6-Dinitrotoluene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2-Nitrophenol | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 3-Nitroaniline | ND | U | | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Dimethyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2,4-Dinitrophenol | ND | U | J4 | 1 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Acenaphthylene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2,4-Dinitrotoluene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Acenaphthene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Dibenzofuran | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 4-Nitrophenol | ND | U | J9 | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Fluorene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 4-Nitroaniline | ND | U | | 0.6 | 20 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 4-Bromophenyl phenyl ether | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Hexachlorobenzene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Diethyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 4-Chlorophenyl phenyl ether | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Pentachlorophenol | ND | U | | 3 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | n-Nitrosodiphenylamine | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 4,6-Dinitro-2-methylphenol | ND | U | | 0.9 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Phenanthrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Carbazole | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Di-n-butyl phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Fluoranthene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Butyl benzyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Benzo(a)anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Chrysene | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |

* In Description = Dry Wgt.



Jan 3/13/07

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-7
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3,3-Dichlorobenzidine | ND | U | | 0.4 | 20 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Bis(2-ethylhexyl)phthalate | 1006 ~~0.7~~ | J | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Di-n-octyl phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Benzo(b)fluoranthene | ND | U | | 1 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Benzo(k)fluoranthene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Benzo(a)pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Indeno(1,2,3-cd)pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Dibenzo(a,h)anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Benzo(ghi)perylene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |

* In Description = Dry Wgt.



000022

dm 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/06/2004

CUSTOMER: GEI CONSULTANTS, INC.

PROJECT: KINGSBRIDGE STATION

ATTN: John Bogdanski

Customer Sample ID: MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-7
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016 | ND | U | | 0.057 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0919 | kam |
| | Aroclor 1221 | ND | U | | 0.11 | 1.0 | 1.00000 | ug/L | 29327 | | 03/03/04 0919 | kam |
| | Aroclor 1232 | ND | U | | 0.081 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0919 | kam |
| | Aroclor 1242 | ND | U | | 0.072 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0919 | kam |
| | Aroclor 1248 | ND | U | | 0.060 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0919 | kam |
| | Aroclor 1254 | ND | U | | 0.094 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0919 | kam |
| | Aroclor 1260 | 0.18 | J | 5, J25 | 0.082 | 0.50 | 1.00000 | ug/L | 29328 | | 03/03/04 0919 | kam |

* In Description = Dry Wgt.



Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/04/2004

CUSTOMER: GEI CONSULTANTS, INC.

PROJECT: KINGSBRIDGE STATION

ATTN: John Bogdanski

Customer Sample ID: MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-7
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9012 | Cyanide (Colorimetric)<br>Cyanide, Total | ND | U | J10 | 7.0 | 10.0 | 1.0 | ug/L | 29219 | | 03/04/04 1322 | dtn |

* In Description = Dry Wgt.



00000076

Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/09/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-7
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7470A | Mercury (CVAA) | | | | | | | | | | | |
| | Mercury | ND | U | | 0.18 | 0.20 | 1.0000 | ug/L | 29159 | | 03/02/04 1350 | nnp |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum | 1920 J10 | | | 92.0 | 500 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Antimony | ND | U | | 5.4 | 20.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Arsenic | ND | U | | 3.9 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Barium | 113 J10 | | | 0.74 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Beryllium | ND | U | | 0.54 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Cadmium | ND | U | | 1.1 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Calcium | 128000 J10, | J19 | | 56.0 | 300 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Chromium | 13.4 | | | 1.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Cobalt | 3.3 | B | | 1.8 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Copper | ND | U | | 4.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Iron | 10300 J10 | | | 54.0 | 200 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Lead | ND | U | | 3.0 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Magnesium | 32900 J10 | | | 26.0 | 100 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Manganese | 1980 J10 | | | 6.9 | 15.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Nickel | 24.7 | | | 1.9 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Potassium | 20100 | | | 191 | 400 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Selenium | ND | U | | 5.0 | 30.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Silver | ND | U | | 1.1 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Sodium | 60300 J10 | | | 98.0 | 400 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Thallium | ND | U | | 10.0 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Vanadium | 10.9 J10 | | | 1.5 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Zinc | 39.6 | B | | 11.0 | 50.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |

* In Description = Dry Wgt.



Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-DUP duplicate of MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 205951-8
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics (5mL Purge) | | | | | | | | | | | |
| | Chloromethane | ND | U | | 1 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Vinyl chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Bromomethane | ND | U | | 3 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Chloroethane | ND | U | J4 | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | 1,1-Dichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Carbon disulfide | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Acetone | ND | U | J4 | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Methylene chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | trans-1,2-Dichloroethene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | 1,1-Dichloroethane | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Vinyl acetate | ND | U | | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | cis-1,2-Dichloroethene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | 2-Butanone (MEK) | ND | U | | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Chloroform | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | 1,1,1-Trichloroethane | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Carbon tetrachloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Benzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | 1,2-Dichloroethane | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Trichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | 1,2-Dichloropropane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Bromodichloromethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | cis-1,3-Dichloropropene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | 4-Methyl-2-pentanone (MIBK) | ND | U | | 0.9 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Toluene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | trans-1,3-Dichloropropene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | 1,1,2-Trichloroethane | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Tetrachloroethene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | 2-Hexanone | ND | U | | 0.7 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |

* In Description = Dry Wgt.



Pam 3/1/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-DUP duplicate of MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 205951-8
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dibromochloromethane | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Chlorobenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Ethylbenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Styrene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Bromoform | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | 1,1,2,2-Tetrachloroethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Xylenes (total) | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |

* In Description = Dry Wgt.



pam 3/3/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-DUP duplicate of MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 205951-8
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol | ND | U | J9 | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Bis(2-chloroethyl)ether | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 1,3-Dichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 1,4-Dichlorobenzene | ND | U | | 0.2 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 1,2-Dichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Benzyl alcohol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2-Methylphenol | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2,2-oxybis (1-chloropropane) | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | n-Nitroso-di-n-propylamine | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Hexachloroethane | ND | U | J9 | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 4-Methylphenol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2-Chlorophenol | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Nitrobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Bis(2-chloroethoxy)methane | ND | U | | 0.2 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 1,2,4-Trichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Benzoic acid | ND | U | J4, UJ9 | 23 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Isophorone | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2,4-Dimethylphenol | ND | U | J9 | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Hexachlorobutadiene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Naphthalene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2,4-Dichlorophenol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 4-Chloroaniline | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2,4,6-Trichlorophenol | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2,4,5-Trichlorophenol | ND | U | | 0.3 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Hexachlorocyclopentadiene | ND | U | J4 | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2-Methylnaphthalene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2-Nitroaniline | ND | U | | 0.4 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2-Chloronaphthalene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |

* In Description = Dry Wgt.



Tom 3/15/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-DUP duplicate of MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 205951-8
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4-Chloro-3-methylphenol | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2,6-Dinitrotoluene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2-Nitrophenol | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 3-Nitroaniline | ND | U | | 0.4 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Dimethyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2,4-Dinitrophenol | ND | U | J4 | 1 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Acenaphthylene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2,4-Dinitrotoluene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Acenaphthene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Dibenzofuran | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 4-Nitrophenol | ND | U | J9 | 0.4 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Fluorene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 4-Nitroaniline | ND | U | | 0.6 | 21 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 4-Bromophenyl phenyl ether | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Hexachlorobenzene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Diethyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 4-Chlorophenyl phenyl ether | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Pentachlorophenol | ND | U | | 3 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | n-Nitrosodiphenylamine | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 4,6-Dinitro-2-methylphenol | ND | U | | 0.9 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Phenanthrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Carbazole | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Di-n-butyl phthalate | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Fluoranthene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Butyl benzyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Benzo(a)anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Chrysene | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |

* In Description = Dry Wgt.



Tom 3/12/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-DUP duplicate of MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 205951-8
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3,3-Dichlorobenzidine | ND | U | | 0.4 | 21 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Bis(2-ethylhexyl)phthalate | 1106 → | ~~U~~ | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Di-n-octyl phthalate | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Benzo(b)fluoranthene | ND | U | | 1 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Benzo(k)fluoranthene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Benzo(a)pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Indeno(1,2,3-cd)pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Dibenzo(a,h)anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Benzo(ghi)perylene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |

* In Description = Dry Wgt.



JBM 3/15/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/06/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-DUP duplicate of MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 205951-8
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016 | ND | U | | 0.057 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0937 | kam |
| | Aroclor 1221 | ND | U | | 0.11 | 1.0 | 1.00000 | ug/L | 29327 | | 03/03/04 0937 | kam |
| | Aroclor 1232 | ND | U | | 0.081 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0937 | kam |
| | Aroclor 1242 | ND | U | | 0.072 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0937 | kam |
| | Aroclor 1248 | ND | U | | 0.060 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0937 | kam |
| | Aroclor 1254 | ND | U | | 0.094 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0937 | kam |
| | Aroclor 1260 | ND | U | | 0.082 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0937 | kam |

* In Description = Dry Wgt.



Jm 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/04/2004

CUSTOMER: GEI CONSULTANTS, INC.

PROJECT: KINGSBRIDGE STATION

ATTN: John Bogdanski

Customer Sample ID: MW-DUP duplicate of MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 205951-8
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9012 | Cyanide (Colorimetric)<br>Cyanide, Total | 52.3 J10 | | | 7.0 | 10.0 | 1.0 | ug/L | 29219 | | 03/04/04 1323 | dtn |

* In Description = Dry Wgt.



0000077

Jm 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/09/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-DUP duplicate of MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 205951-8
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7470A | Mercury (CVAA) | | | | | | | | | | | |
| | Mercury | ND | U | | 0.18 | 0.20 | 1.0000 | ug/L | 29159 | | 03/02/04 1351 | nnp |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum | 893 J10 | | | 92.0 | 500 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Antimony | ND | U | | 5.4 | 20.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Arsenic | ND | U | | 3.9 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Barium | 269 J10 | | | 0.74 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Beryllium | ND | U | | 0.54 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Cadmium | ND | U | | 1.1 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Calcium | 294000 J10, | | J19 | 56.0 | 300 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Chromium | 5.9 J21 | | | 1.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Cobalt | 6.2 | | | 1.8 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Copper | 6.1 | | | 4.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Iron | 1980 J10 | | | 54.0 | 200 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Lead | ND | U | | 3.0 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Magnesium | 114000 J10 | | | 26.0 | 100 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Manganese | 227 J10 | | | 6.9 | 15.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Nickel | 19.3 | | | 1.9 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Potassium | 21400 | | | 955 | 2000 | 5 | ug/L | 29217 | | 03/03/04 1734 | nnp |
| | Selenium | 6.7 | | | 5.0 | 30.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Silver | ND | U | | 1.1 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Sodium | 423000 J10 | | | 490 | 2000 | 5 | ug/L | 29217 | | 03/03/04 1734 | nnp |
| | Thallium | ND | U | J16 | 10.0 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Vanadium | 2.9 J10 | | | 1.5 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Zinc | 12.2 | | | 11.0 | 50.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |

* In Description = Dry Wgt.



Jam 3/17/04

# *Available Cyanide*

**Lab Name:** STL PITTSBURGH
**Client Name:** STL CONNECTICUT
**Matrix:** WATER

**Method:** MCAWW 1677
**Lot Number:** C4B270267

**NO PREP DIRECT ANALYSIS**

| Client Sample ID | Sample Number | Workorder | Result | Units | Reporting Limit | Dilution Factor | Prep Date - Analysis Date/Time | QC Batch |
|---|---|---|---|---|---|---|---|---|
| MW-1 | C4B270267 001 | GAA251AA | ND | mg/L | 0.0020 | 1 | 3/3/04 12 - 3/3/04 00:00 | 4063342 |
| MW-2 | C4B270267 002 | GAA291AA | ND | mg/L | 0.0020 | 1 | 3/3/04 12 - 3/3/04 00:00 | 4063342 |
| MW-3 | C4B270267 003 | GAA3C1AA | ND | mg/L | 0.0020 | 1 | 3/3/04 12 - 3/3/04 00:00 | 4063342 |
| MW-4S | C4B270267 004 | GAA3F1AA | ND | mg/L | 0.0020 | 1 | 3/3/04 12 - 3/3/04 00:00 | 4063342 |
| MW-4D | C4B270267 005 | GAA3J1AA | ND | mg/L | 0.0020 | 1 | 3/3/04 12 - 3/3/04 00:00 | 4063342 |
| MW-5S | C4B270267 006 | GAA3L1AA | ND | mg/L | 0.0020 | 1 | 3/3/04 12 - 3/3/04 00:00 | 4063342 |
| MW-5D | C4B270267 007 | GAA3M1AA | ND | mg/L | 0.0020 | 1 | 3/3/04 12 - 3/3/04 00:00 | 4063342 |
| MW-DUP duplicate of MW-5D | C4B270267 008 | GAA3Q1AA | ND | mg/L | 0.0020 | 1 | 3/3/04 12 - 3/3/04 00:00 | 4063342 |
| ER-1 | C4B270267 009 | GAA3V1AA | ND | mg/L | 0.0020 | 1 | 3/3/04 12 - 3/3/04 00:00 | 4063342 |

Tam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: ER-1
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-9
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics (5mL Purge) | | | | | | | | | | | |
| | Chloromethane | ND | U | | 1 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Vinyl chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Bromomethane | ND | U | | 3 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Chloroethane | ND | U | J4 | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | 1,1-Dichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Carbon disulfide | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Acetone | 3 J3, | J | 5, J4 | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Methylene chloride | 1 | J | 5 | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | trans-1,2-Dichloroethene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | 1,1-Dichloroethane | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Vinyl acetate | ND | U | | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | cis-1,2-Dichloroethene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | 2-Butanone (MEK) | ND | U | | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Chloroform | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | 1,1,1-Trichloroethane | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Carbon tetrachloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Benzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | 1,2-Dichloroethane | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Trichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | 1,2-Dichloropropane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Bromodichloromethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | cis-1,3-Dichloropropene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | 4-Methyl-2-pentanone (MIBK) | ND | U | | 0.9 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Toluene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | trans-1,3-Dichloropropene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | 1,1,2-Trichloroethane | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Tetrachloroethene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | 2-Hexanone | ND | U | | 0.7 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |

* In Description = Dry Wgt.



000024

Jam 3/12/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: ER-1
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-9
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dibromochloromethane | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Chlorobenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Ethylbenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Styrene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Bromoform | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | 1,1,2,2-Tetrachloroethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Xylenes (total) | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |

* In Description = Dry Wgt.



Dam 3/12/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: ER-1
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-9
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol | ND | U | J9 | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Bis(2-chloroethyl)ether | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 1,3-Dichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 1,4-Dichlorobenzene | ND | U | | 0.2 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 1,2-Dichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Benzyl alcohol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2-Methylphenol | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2,2-oxybis (1-chloropropane) | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | n-Nitroso-di-n-propylamine | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Hexachloroethane | ND | U | J9 | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 4-Methylphenol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2-Chlorophenol | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Nitrobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Bis(2-chloroethoxy)methane | ND | U | | 0.2 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 1,2,4-Trichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Benzoic acid | ND | U | J4,V39 | 24 | 54 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Isophorone | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2,4-Dimethylphenol | ND | U | J9 | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Hexachlorobutadiene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Naphthalene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2,4-Dichlorophenol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 4-Chloroaniline | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2,4,6-Trichlorophenol | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2,4,5-Trichlorophenol | ND | U | | 0.3 | 54 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Hexachlorocyclopentadiene | ND | U | J4 | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2-Methylnaphthalene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2-Nitroaniline | ND | U | | 0.4 | 54 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2-Chloronaphthalene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |

* In Description = Dry Wgt.



dmm 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: ER-1
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-9
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4-Chloro-3-methylphenol | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2,6-Dinitrotoluene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2-Nitrophenol | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 3-Nitroaniline | ND | U | | 0.4 | 54 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Dimethyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2,4-Dinitrophenol | ND | U | J4 | 1 | 54 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Acenaphthylene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2,4-Dinitrotoluene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Acenaphthene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Dibenzofuran | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 4-Nitrophenol | ND | U | J9 | 0.4 | 54 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Fluorene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 4-Nitroaniline | ND | U | | 0.6 | 22 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 4-Bromophenyl phenyl ether | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Hexachlorobenzene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Diethyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 4-Chlorophenyl phenyl ether | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Pentachlorophenol | ND | U | | 3 | 54 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | n-Nitrosodiphenylamine | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 4,6-Dinitro-2-methylphenol | ND | U | | 1 | 54 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Phenanthrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Carbazole | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Di-n-butyl phthalate | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Fluoranthene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Butyl benzyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Benzo(a)anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Chrysene | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |

* In Description = Dry Wgt.



000050

Jm 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: ER-1
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-9
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3,3-Dichlorobenzidine | ND | U | | 0.4 | 22 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Bis(2-ethylhexyl)phthalate | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Di-n-octyl phthalate | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Benzo(b)fluoranthene | ND | U | | 1 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Benzo(k)fluoranthene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Benzo(a)pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Indeno(1,2,3-cd)pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Dibenzo(a,h)anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Benzo(ghi)perylene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |

* In Description = Dry Wgt.



00000351

JMM 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/06/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: ER-1
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-9
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016 | ND | U | | 0.057 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0955 | kam |
| | Aroclor 1221 | ND | U | | 0.11 | 1.0 | 1.00000 | ug/L | 29327 | | 03/03/04 0955 | kam |
| | Aroclor 1232 | ND | U | | 0.081 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0955 | kam |
| | Aroclor 1242 | ND | U | | 0.072 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0955 | kam |
| | Aroclor 1248 | ND | U | | 0.060 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0955 | kam |
| | Aroclor 1254 | ND | U | | 0.094 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0955 | kam |
| | Aroclor 1260 | ND | U | | 0.082 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0955 | kam |

* In Description = Dry Wgt.



Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/04/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: ER-1
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-9
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9012 | Cyanide (Colorimetric)<br>Cyanide, Total | ND | U | | 7.0 | 10.0 | 1.0 | ug/L | 29219 | | 03/04/04 1324 | dtn |

* In Description = Dry Wgt.



00000078

Jm 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/09/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: ER-1
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-9
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7470A | Mercury (CVAA) | | | | | | | | | | | |
| | Mercury | ND | U | | 0.18 | 0.20 | 1.0000 | ug/L | 29159 | | 03/02/04 1352 | nnp |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum | ND | U | | 92.0 | 500 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Antimony | ND | U | | 5.4 | 20.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Arsenic | ND | U | | 3.9 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Barium | ND | U | | 0.74 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Beryllium | ND | U | | 0.54 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Cadmium | ND | U | | 1.1 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Calcium | ND | U | | 56.0 | 300 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Chromium | ND | U | | 1.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Cobalt | ND | U | | 1.8 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Copper | ND | U | | 4.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Iron | ND | U | | 54.0 | 200 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Lead | ND | U | | 3.0 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Magnesium | ND | U | | 26.0 | 100 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Manganese | ND | U | | 6.9 | 15.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Nickel | ND | U | | 1.9 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Potassium | ND | U | | 191 | 400 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Selenium | ND | U | | 5.0 | 30.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Silver | ND | U | | 1.1 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Sodium | ND | U | | 98.0 | 400 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Thallium | ND | U | | 10.0 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Vanadium | ND | U | | 1.5 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Zinc | ND | U | | 11.0 | 50.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |

* In Description = Dry Wgt.



JGM 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: TRIP BLANK
Date Sampled.....: 02/25/2004
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 205951-10
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics (5mL Purge) | | | | | | | | | | | |
| | Chloromethane | ND | U | | 1 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Vinyl chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Bromomethane | ND | U | | 3 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Chloroethane | ND | U | J4 | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | 1,1-Dichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Carbon disulfide | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Acetone | ND | U | J4 | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Methylene chloride | 1 | J | J5 | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | trans-1,2-Dichloroethene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | 1,1-Dichloroethane | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Vinyl acetate | ND | U | | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | cis-1,2-Dichloroethene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | 2-Butanone (MEK) | ND | U | | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Chloroform | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | 1,1,1-Trichloroethane | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Carbon tetrachloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Benzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | 1,2-Dichloroethane | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Trichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | 1,2-Dichloropropane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Bromodichloromethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | cis-1,3-Dichloropropene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | 4-Methyl-2-pentanone (MIBK) | ND | U | | 0.9 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Toluene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | trans-1,3-Dichloropropene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | 1,1,2-Trichloroethane | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Tetrachloroethene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | 2-Hexanone | ND | U | | 0.7 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: TRIP BLANK
Date Sampled.....: 02/25/2004
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 205951-10
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dibromochloromethane | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Chlorobenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Ethylbenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Styrene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Bromoform | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | 1,1,2,2-Tetrachloroethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Xylenes (total) | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |

* In Description = Dry Wgt.



Tam 3/1/04

# Quality Assurance/Quality Control (QA/QC)

## Summary of QA/QC Program

A QA/QC program for the Kingsbridge Station, Bronx, NY Site Investigation was instituted to ensure that the analytical and project objectives were met. The QA/QC program consisted of the development of the Quality Assurance Project Plan (QAPP) which detailed the data quality objectives (DQOs) for each analytical parameter for the entire investigation. During the program, the collection of QC samples was monitored by the GEI Project Manager to ensure that the field QC samples were collected at the proper frequency. Finally, the QA/QC program included data validation for 100 percent of the analytical data.

The results of the data validation were summarized in Data Usability Summary Reports (DUSRs). These DUSRs appear in the report in Appendix C and include a discussion on each qualified result, the potential bias and the effect on the data usability. The data validation was performed in accordance with the *USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8260B*, SOP No. HW-24, Revision 1, June 1999, *USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8270C*, SOP No. HW-22, Revision 2, June 2001, *USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8080A/8000A*, SOP No. HW-23, Revision 0, April 1995 and the *USEPA Region II Standard Operating Procedure (SOP) for the Evaluation of Metals Data for the Contract Laboratory Program*, SOP No. HW-2, Revision 11, January 1992, modified as necessary to accommodate the SW-846 methodologies used. The full laboratory analytical data package is submitted in Appendix C to the report.

The results of the data validation were used to determine if project objectives had been met. The results of the data validation provided a quantitative evaluation of the DQOs: precision, accuracy, completeness, and sensitivity. For each analytical parameter, DQOs were established prior to the onset of the program for both field and analytical accuracy, precision, sensitivity and completeness. In order for the successful achievement of the project objectives, all DQOs must be met. Actual sample and QC sample results were compared to project DQOs to determine whether results could be used to fulfill project objectives for this sampling event. The assessment of these DQOs and the usability of the data as a result of this assessment is discussed in detail below.

## Precision

### *Field Precision*

Field precision was measured by the collection of field duplicates. As per the QAPP, field duplicates were scheduled to be collected at a frequency of one for every 20 samples per matrix per parameter. Field duplicates were collected by taking two aliquots of the same sample, containerizing the samples, and submitting them to the laboratory for analysis as two separate samples. For organics, the relative percent difference (RPD) criterion was 30 percent for aqueous samples and 50 percent for solid samples when the concentration for the sample and the duplicate was greater than or equal to 5x the quantitation limit. For inorganics, the relative percent difference

(RPD) criterion was 50 percent for aqueous samples and 100 percent for solid samples when the concentration for the sample and the duplicate was greater than or equal to 5x the quantitation limit. For this program field duplicate samples were collected at the proper frequency. Field duplicate samples collected from the Kingsbridge Station site were as follows:

KS-MW1(22-24)/KS-DUP3: VOCs, SVOCs, PCBs, Metals, Cyanide/soil
KS-B-9(14-16)/KS-B-DUP-2: VOCs, SVOCs, PCBs, Metals, Cyanide/soil
KS-B-3(2-4)/KS-B-DUP-1: VOCs, SVOCs, PCBs, Metals, Cyanide/soil
K-SS-3/K-SS-DUP-1: VOCs, SVOCs, PCBs, Metals, Cyanide/soil
MW-1/MW-DUP: VOCs, SVOCs, PCBs, Metals, Cyanide/aqueous

The RPDs were found outside of the control limit in some cases resulting in the qualification of analyte results as estimated (J/UJ) in the field duplicate samples. These qualifications have a minor effect on the usability of the data. All results are still usable for project objectives.

*Analytical Precision*

Analytical precision was measured by the analyses of matrix spike/matrix spike duplicate (MS/MSD) samples for organic parameters and laboratory duplicate samples for inorganic parameters. As per the QAPP, MS/MSDs or duplicate samples were scheduled to be analyzed at a frequency of at least one for every 20 samples per matrix per parameter. The laboratory performed MS/MSD or duplicate analyses at this frequency, however several analyses were performed on non-project samples. Results were qualified as estimated (J/UJ) for project samples which exhibited RPDs outside of control limits. These qualifications have a minor effect on the usability of the data. All results are still usable for project objectives.

**Accuracy**

*Field Accuracy*

Accuracy in the field was assessed through the collection and analysis of field blanks for VOC, SVOC, PCB, Metals, and Cyanide analyses and trip blanks for VOC analyses.

Field blanks were used to evaluate the potential contamination of samples from the sampling equipment, cleanliness of sample containers, sample handling and collection procedures. Field blanks were collected by pouring deionized water through (or over) sample collection equipment after the initial decontamination procedure and prior to use. As per the QAPP, field blanks were scheduled to be collected at a frequency of one per 20 samples per matrix per parameter. This frequency requirement was met for all ground water and soil samples.

Trip blanks were used to evaluate the potential for VOC contamination of samples due to contaminant migration during sample shipment and storage. Trip blanks consisted of 40 mL VOA vials filled with distilled water; these blanks remained with the samples during shipping and storage. One trip blank sample was submitted for this project.

Field blank and trip blank results were evaluated to determine if high levels of contaminants or uncommon contaminants were detected and the percentage of samples affected. Contamination in blanks indicates that false positives may exist in samples associated with the affected blanks; these false positives may lead to a high bias for these analytes. Select sample results were negated on the basis of this comparison, in accordance with the data validation guidelines. Sodium in five samples, nickel in 13 samples, acetone in one sample, carbon disulfide in three samples, and methylene chloride in 17 samples were qualified as nondetects during data validation due to the field blank contamination.

In general, the results of the field blanks did not indicate any systematic pattern of contamination indicative of improperly cleaned equipment or poor sampling techniques. Based on the results of the trip blank samples, it does not appear that contaminant migration during shipment and storage was a problem for samples collected during the investigation. Therefore, the usability of the data was not adversely affected on the basis of the field blank or trip blank evaluations.

*Laboratory Accuracy*

Accuracy in the laboratory was assessed through the evaluation of cooler temperatures, holding times, calibrations, laboratory method blanks, surrogate spike recoveries, laboratory control spikes (LCSs), MS/MSD recoveries, internal standards, and target compound identification.

Cooler Temperatures and Holding Times

All samples were received at the method-specified temperature. None of the project field sample data required qualification on the basis of cooler temperatures. All samples, with the exception of two PCB samples, were prepared and/or analyzed within the required holding times, resulting in the qualification of analyte results as estimated (J/UJ) in these samples. These qualifications have a minor effect on the usability of the data. All results are still usable for project objectives.

Calibrations

Select analyte results were qualified as estimated (J/UJ) due to initial and/or continuing calibration relative standard deviations and percent differences outside of control limits in the VOC and SVOC analyses. Several analyte results were qualified as estimated (J/UJ) due to detection limit standard recoveries outside of control limits in the metals analyses. These qualifications have a minor effect on the usability of the data. All results are still usable for project objectives.

Results for bromomethane in seven samples were rejected (R) due to low calibration response factors. The result for zinc in one sample was rejected (R) due to CRDL standard recovery greater than 150%. These results were not usable for project objectives. This has a minor effect as these compounds were not compounds of concern at the site**.**

Laboratory Method and Instrument Blanks

Laboratory blanks were used to evaluate the potential contamination of samples from the preparation and analytical procedures. Laboratory blanks were prepared and/or analyzed along with each batch of field samples. Laboratory blanks were scheduled to be prepared and analyzed at a frequency of one per 20 samples per matrix per parameter per day of digestion/extraction and/or analysis. Laboratory blanks were evaluated against their associated field samples to determine if a laboratory condition contributed to false positives or high bias in the field samples. In general, the laboratory blank results did not indicate a significant laboratory contamination problem. Common organic contaminants and metals were detected in the laboratory method and instrument blanks at low levels resulting in the blank qualification (U) of field samples during data validation. The usability of the data was not adversely affected by the laboratory blank contamination.

Surrogate Spike Recoveries

Surrogate spike compounds were added to each sample undergoing organic analyses to assess method performance and/or extraction efficiency. Results were qualified as estimated (J/UJ) for samples which exhibited surrogate recoveries outside of control limits. These qualifications have a minor effect on the usability of the data and results are still usable for project objectives.

LCS Analyses

LCSs consisted of clean water or clean soil spiked with all target analytes prior to preparation and/or analysis at the mid-range of the calibration using a secondary source standard different from that used for calibration. The LCS is used to provide an independent assessment of the overall efficiency of the analytical method. Analytes which were recovered outside of the control limits in the LCS were qualified as estimated (J/UJ) in the associated field samples. The following SVOC compounds were rejected (R) due to LCS recovery less than 10%: benzoic acid in 15 samples, 4,6-dinitro-2-methylphenol in two samples, and 2,4-dinitrophenol in three samples. These results were not usable for project objectives. This has a minor effect as these compounds were not compounds of concern at the site**.**

MS Recoveries

MS compounds were added to select samples prior to preparation and/or analysis to assess the overall effect of the sample matrix on the performance of the method. As per the QAPP, MSs were scheduled to be performed at a frequency of one per 20 samples per matrix per parameter and MSDs were scheduled to be performed at a frequency of one per 20 samples per matrix per organic parameter. The laboratory performed MS and/or MSD analyses at this frequency, however several MS/MSD analyses were performed on non-project samples. Results were qualified as estimated (J/UJ) for project samples which exhibited MS/MSD recoveries outside of control limits. These qualifications have a minor effect on the usability of the data and results are still usable for project objectives. The result for pentachlorophenol in one sample and cyanide in one sample were rejected (R) due to MS recoveries less than 10%. These results are not usable for project objectives.

Internal Standards

Internal standard compounds were added to each sample undergoing VOC and SVOC analyses to assess method performance. All sample internal standard areas were within the control limits with the exception of four SVOC samples. The samples were reanalyzed to confirm matrix interferences. Affected results were qualified as estimated (J/UJ) for these samples. All results are still usable for project objectives.

Target Compound Identification

PCB samples were analyzed on two columns to confirm compound identification. Compounds which exhibited dual column RPDs greater than 25 but less than 70% were qualified as estimated (J). Compounds which exhibited dual RPDs greater than 70 but less than 100% were qualified as presumptively present (NJ). For sample compound results less than the reporting limit, which exhibited dual column RPDs greater than 100%, the PCB value was raised to the reporting limit and qualified as nondetect (U).

**Sensitivity**

Sensitivity was assessed by the evaluation of analytical quantitation limits**.** Quantitation limits were established based upon action levels, instrument sensitivity and information provided by the laboratory. However, these values should be considered target values only, as actual quantitation limits were affected by numerous factors, including percent moisture in the samples, matrix interferences, and sample dilutions.
Potential uncertainty exists for reported results which were below the lowest calibration standard or quantitation limit but above the method detection limit (MDL). These results were qualified as estimated (J) but are still usable for project objectives.

**Completeness**

Completeness is defined as the measure of the amount of valid data obtained from a measurement system compared to the amount that was expected. For the Kingsbridge Station, Bronx, NY data, completeness was assessed by comparing (1) the number of samples successfully analyzed to the number submitted, and (2) the number of valid measurements to the number of measurements obtained. Completeness was calculated according to the following equation:

$$\% \text{ Completeness} = \frac{\text{\# of Valid Results}}{\text{\# of Expected Results}} \times 100$$

The field completeness objective (defined by [1] above) was greater than 90 percent. This goal was achieved. All samples submitted for laboratory analysis for the requested parameters were successfully analyzed (thereby 100 percent completeness).

The laboratory completeness objective (defined by [2] above) was greater than 95 percent. This goal was achieved. 30 results were deemed unusable during data validation resulting in laboratory completeness of 99.7 percent.

**Overall Summary**

In general, the soil and groundwater data were found to be valid and usable for the intended purposes of the site characterization. The soil and groundwater data were found to be valid for site decision-making purposes. The laboratory followed the analytical protocols set forth in the various methods.

The only rejected (i.e., unusable) results were due to low calibration response factor, MS, reporting limit standard, and/or LCS recoveries exhibited in the volatile, semivolatile, and metals analyses (30). Out of the total population of 9,275 individual results for all samples, this represents only 0.3 percent.

Through the data validation process, several analyte results were qualified as estimated (J/UJ). The qualifiers (J or UJ) flagged the positive and nondetect analyte results as estimated due to a QC measure found outside of control limits. These results are still usable for project objectives.

**Site:** Kingsbridge Station
**Laboratory:** Severn Trent Labs, Inc., Shelton, CT
**Job No.:** 205651
**Reviewer:** Lisa McDonagh/GEI Consultants
**Date:** March 16, 2004

**Samples Reviewed and Evaluation Summary**

| FIELD ID | LAB ID | FRACTIONS VALIDATED |
|---|---|---|
| K-SS-1 | 205651-01 | VOC, SVOC |
| K-SS-2 | 205651-02 | VOC, SVOC |
| K-SS-3 | 205651-03 | VOC, SVOC |
| K-SS-4 | 205651-04 | VOC, SVOC |
| K-SS-5 | 205651-05 | VOC, SVOC |
| K-SS-6 | 205651-06 | VOC, SVOC |
| K-SS-7 | 205651-07 | VOC, SVOC |
| K-SS-8 | 205651-08 | VOC, SVOC |
| K-SS-9 | 205651-09 | VOC, SVOC |
| K-SS-DUP-1 | 205651-10 | VOC, SVOC |
| KS-FB-010804 | 205651-11 | VOC, SVOC |
| KS-TB-010804 | 205651-12 | VOC |
| KS-MW-4(0.5-1) | 205651-13 | VOC, SVOC |
| KS-B-4(3-4) | 205651-14 | VOC, SVOC |
| KS-B-7(3-5) | 205651-15 | VOC, SVOC |
| KS-B-8(3-5) | 205651-16 | VOC, SVOC |
| KS-B-6(2-5) | 205651-17 | VOC, SVOC |
| KS-MW-5(2-5) | 205651-18 | VOC, SVOC |
| KS-MW-3(4-5) | 205651-19 | VOC, SVOC |

| | | |
|---|---|---|
| Associated QC Samples: | Field/Trip Blanks: | KS-FB-010804, KS-TB-010804 |
| | Field Duplicate pair: | K-SS-3/K-SS-DUP-1 |

The above listed soil and aqueous samples were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B, semivolatile organic compounds (SVOCs) by SW-846 method 8270C. The data validation was based on the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8260B, SOP No. HW-24, Revision 1, June 1999, USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8270C, SOP No. HW-22, Revision 2, June 2001.

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The organic data were evaluated based on the following parameters:

| | | |
|---|---|---|
| * | · | Holding Times and Sample Preservation |
| * | · | Data Completeness |
| * | · | Gas Chromatography/Mass Spectrometry (GC/MS) Tunes |
| | · | Initial and Continuing Calibrations |
| | · | Blanks |
| * | · | Surrogate Recoveries |
| | · | Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results |
| | · | Laboratory Control Sample (LCS) Results |
| | · | Internal Standards |
| * | · | Field Duplicate Results |
| | · | Quantitation Limits and Data Assessment |

| | | |
|---|---|---|
| * | - | All criteria were met. |
| NA | - | Not applicable |

All results were found to be usable with the exception of pentachlorophenol in sample KS-B-7(3-5) due to poor matrix spike recoveries.

The organic validation recommendations were based on the following information.

**Data Completeness**

The data package was found to be complete.

**Holding Times and Sample Preservation**

All criteria were met in the VOC and SVOC analyses.

**GC/MS Tunes**

All criteria were met in the VOC and SVOC analyses.

**Initial and Continuing Calibrations**

Compounds that did not meet criteria in the VOC and SVOC initial and continuing calibrations are summarized in the following tables.

| **Instrument ID**<br>**MSL**<br>**Compound** | **IC**<br>**1/12/04** | **CC**<br>**1/12/04** |
|---|---|---|
| bromomethane | X (21.2%) | |
| | | |

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| **Instrument ID**<br>**MSL**<br>**Compound** | **IC**<br>**1/12/04** | **CC**<br>**1/12/04** |
|---|---|---|
| choroethane | X (15.8%) | |
| acetone | X (16.2%) | |
| 2-butanone | X (16.7%) | |
| bromoform | X (16.2%) | |
| Samples Affected | All listed | KS-FB-010804,<br>KS-TB-010804 |

| **Instrument ID**<br>**MSN**<br>**Compound** | **IC**<br>**11/24/03** | **CC**<br>**1/15/04** | **CC**<br>**1/16/04** |
|---|---|---|---|
| chloromethane | | XX (23.7%) | XX (24.5%) |
| bromomethane | X (20.9%) | XX (71.4%)) | XX (73.4%) |
| chloroethane | X (31.6%) | | |
| acetone | X (17.9%) | | |
| 1,1,1-trichloroethane | | XX (21.4%) | |
| tetrachloroethene | | XX (20.5%) | |
| bromoform | X (15.3%) | | |
| Samples Affected | All listed | K-SS-1, K-SS-2, K-SS-3, K-SS-4, K-SS-6, K-SS-7, K-SS-8, K-SS-9, K-SS-4RA*, K-SS-6RA* | K-SS-5, K-SS-8RA*, K-SS-DUP-1, KS-MW-4(0.5-1), KS-B-4(3-4), KS-B-7(3-5), KS-B-8(3-5), KS-B-6(2-5), KS-MW-5(2-5), KS-MW-3(4-5) |

| **Instrument ID**<br>**MSU**<br>**Compound** | **IC**<br>**1/14/04** | **CC**<br>**1/14/04** |
|---|---|---|
| benzoic acid | | |
| | | |

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| Instrument ID<br>MSU<br>Compound | IC<br>1/14/04 | CC<br>1/14/04 |
|---|---|---|
| hexachlorocyclopentadiene | | |
| 2,4-dinitrophenol | X (18.5%) | |
| Samples Affected | All listed | K-SS-1 |

| Instrument ID<br>MSU<br>Compound | IC<br>1/19/04 | CC<br>1/20/04 |
|---|---|---|
| benzoic acid | X (15.1%) | |
| 2,4-dinitrophenol | X (31.5%) | XX (21.4%) |
| 4,6-dinitro-2-methylphenol | X (15.4%) | |
| pentachlorophenol | X (28.6%) | |
| Samples Affected | All listed | KS-MW-4(0.5-1),<br>KS-B-8(3-5),<br>KS-B-6(2-5) |

| Instrument ID<br>MSU<br>Compound | IC<br>1/21/04 | CC<br>1/21/04 |
|---|---|---|
| 2,4-dinitrophenol | X (15.5%) | |
| Samples Affected | All listed | KS-B-4(3-4),<br>KS-B-7(3-5),<br>KS-MW-5(2-5),<br>KS-MW-3(4-5),<br>K-SS-2, K-SS-3,<br>K-SS-4, K-SS-5,<br>K-SS-6, K-SS-7,<br>K-SS-8, K-SS-9,<br>K-SS-DUP-1 |

* - Validation action was not required as this analysis was not reported for the affected analytes.

X = Initial calibration (IC) relative standard deviation (%RSD) > 15; estimate (J3) positive and (UJ3) the nondetect results.

XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ4) positive and

nondetect results.

+ = Response factor (RRF) < 0.05; Estimate (J2) positive results and reject (R2) nondetect results.

The following results were qualified as estimated (J/UJ3) due to initial calibration nonconformances: bromomethane, chloroethane, acetone, 2-butanone and bromoform in samples KS-FB-010804 and KS-TB-010804, bromomethane, chloroethane acetone and bromoform in samples K-SS-1, K-SS-2, K-SS-3, K-SS-4,K-SS-6, K-SS-7,K-SS-8, K-SS-9,K-SS-4RA, K-SS-6RA, K-SS-5, K-SS-8RA, K-SS-DUP-1, KS-MW-4(0.5-1), KS-B-4(3-4), KS-B-7(3-5), KS-B-8(3-5), KS-B-6(2-5), KS-MW-5(2-5) and KS-MW-3(4-5), 2,4-dinitrophenol in sample K-SS-1, benzoic acid, 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol and pentachlorophenol in samples KS-MW-4(0.5-1), KS-B-8(3-5) and KS-B-6(2-5) due to initial calibration nonconformances. The following results were qualified as estimated (J/UJ4) due to continuing calibration nonconformances: chloromethane, bromomethane, 1,1,1-trichloroethane and tetrachloroethene in samples K-SS-1, K-SS-2, K-SS-3, K-SS-4,K-SS-6, K-SS-7,K-SS-8, K-SS-9,K-SS-4RA and K-SS-6RA, chloromethane and bromomethane in samples K-SS-5, K-SS-8RA, K-SS-DUP-1, KS-MW-4(0.5-1), KS-B-4(3-4), KS-B-7(3-5), KS-B-8(3-5), KS-B-6(2-5), KS-MW-5(2-5) and KS-MW-3(4-5), 2,4-dinitrophenol in samples KS-MW-4(0.5-1), KS-B-8(3-5) and KS-B-6(2-5) due to continuing calibration nonconformances.

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## Blanks

The following table summarizes the method blank contamination in the VOC and SVOC analyses.

| Compound | Type of Blank | Associated Samples | Maximum Concentration | Blank Action Level |
|---|---|---|---|---|
| carbon disulfide | Soil Method Blank | K-SS-1, K-SS-2, K-SS-3, K-SS-4, K-SS-6, K-SS-7, K-SS-8, K-SS-9, K-SS-4RA*, K-SS-6RA* | 0.78 ug/Kg | 3.9 ug/Kg |
| bis(2-ethylhexyl)phthalate | Soil Method Blank | K-SS-1, K-SS-2 , K-SS-3, K-SS-4, K-SS-5, K-SS-6, K-SS-7, K-SS-8, K-SS-9, K-SS-DUP-1 | 62.4 ug/Kg | 624 ug/Kg |
| di-n-butylphthalate | Soil Method Blank | K-SS-1, K-SS-2 , K-SS-3, K-SS-4, K-SS-5, K-SS-6, K-SS-7, K-SS-8, K-SS-9, K-SS-DUP-1 | 37.9 ug/Kg | 379 ug/Kg |
| di-n-butylphthalate | Soil Method Blank | KS-MW-4(0.5-1), KS-B-4(3-4), KS-B-7(3-5), KS-B-8(3-5), KS-B-6(2-5), KS-MW-5(2-5), KS-MW-3(4-5) | 17.5 ug/Kg | 175 ug/Kg |

* - Validation action was not required as this analysis was not reported for the affected analytes.

The following table summarizes the field and trip blank contamination in the VOC and SVOC analyses.

| Compound | Type of Blank | Associated Samples | Maximum Concentration | Blank Action Level |
|---|---|---|---|---|
| carbon disulfide | Trip Blank | all samples | 2 ug/L | 10 ug/L |
| methylene chloride | Field Blank | all samples | 1 ug/L | 10 ug/L |

Blank Actions

If the sample concentration ≤ QL and ≤ blank action level, qualify the result as not detected (U6) at the QL.
If the sample concentration > QL and ≤ blank action level, qualify the result as not detected (U6) at the reported value.
If the sample concentration > blank action level, report the value unqualified.

Based on the action levels determined, the carbon disulfide result in samples K-SS-1, K-SS-2, K-SS-3, K-SS-4, K-SS-6 and K-SS-7, di-n-butylphthalate in samples K-SS-1, K-SS-2, K-SS-3, K-SS-4, K-SS-5, K-SS-6, K-SS-7, K-SS-9, K-SS-DUP-1, KS-MW-4(0.5-1), KS-B-4(3-4), KS-B-8(3-5), KS-B-6(2-5) and KS-MW-5(2-5) and bis(2-ethylhexyl)phthalate in samples K-SS-2, K-SS-3, K-SS-4, K-SS-5, K-SS-6, K-SS-7, K-SS-9 and K-SS-DUP-1 were qualified as nondetect (U6) due to method blank contamination.

Based on the action levels determined, the carbon disulfide result in samples KS-B-8(3-5), KS-B-6(2-5) and KS-MW-3(4-5), methylene chloride in result in samples K-SS-1, K-SS-4, K-SS-5, K-SS-6RA, K-SS-8, K-SS-DUP-1, KS-MW-4(0.5-1), KS-B-4(3-4), KS-B-7(3-5), KS-B-8(3-5), KS-B-6(2-5), KS-MW-5(2-5) and KS-MW-3(4-5) were qualified as nondetect (U6) due to field and trip blank contamination.

## Surrogate Recoveries

All criteria were met in the VOC and SVOC analyses.

## MS/MSD Results

A VOA MS/MSD was not submitted with these samples.

An MS/MSD was performed on sample KS-B-7(3-5) for the SVOC analyses. The following table lists the analyte MS/MSD recoveries and/or %RPDs which were outside of the laboratory established control limits.

| Compound | MS/MSD %R | RPD % | QC Limits | Action |
|---|---|---|---|---|
| pentachlorophenol | 9, 8 | - | 60-140, <47 | Reject the nondetect result (R8) for pentachlorophenol in the sample KS-B-7(3-5) ; possible low bias. |
| pyrene | 263, 50 | 36 | 66-121, <36 | Estimate the positive result (J8) for pyrene in the sample KS-B-7(3-5). |

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## LCS Results

The following table lists the VOC and SVOC compound recoveries found outside of the laboratory control limits of 60-140% and the resultant actions.

| Compound | Recovery (%) | Associated samples | Actions |
|---|---|---|---|
| acetone<br>2-butanone<br>2-hexanone | 163<br>142<br>146 | KS-FB-010804,<br>KS-TB-010804 | Validation not required, affected compounds not detected in the associated samples. |
| bromomethane | 28 | K-SS-1, K-SS-2, K-SS-3, K-SS-4, K-SS-6, K-SS-7, K-SS-8, K-SS-9, K-SS-4RA, K-SS-6RA* | Estimate (UJJ9) the nondetect results for bromomethane in the associated samples; results may be biased low. |
| acetone | 165 | K-SS-1, K-SS-2, K-SS-3, K-SS-4, K-SS-6, K-SS-7, K-SS-8, K-SS-9, K-SS-4RA*, K-SS-6RA* | Validation not required, acetone was not detected in the associated samples. |
| bromomethane | 34 | K-SS-5, K-SS-8RA*, K-SS-DUP-1, KS-MW-4(0.5-1), KS-B-4(3-4), KS-B-7(3-5), KS-B-8(3-5), KS-B-6(2-5), KS-MW-5(2-5), KS-MW-3(4-5) | Estimate (UJ9) the nondetect results for bromomethane in all samples, results may be biased low. |
| acetone | 151 | K-SS-5, K-SS-8RA*, K-SS-DUP-1, KS-MW-4(0.5-1), KS-B-4(3-4), KS-B-7(3-5), KS-B-8(3-5), KS-B-6(2-5), KS-MW-5(2-5), KS-MW-3(4-5) | Estimate (J9) the positive results for acetone in all samples, results may be biased high. |
| benzoic acid<br>4-chloroaniline<br>3-nitroaniline<br>3,3-dichlorobenzidine | 30<br>19<br>41<br>39 | KS-MW-4(0.5-1), KS-B-4(3-4), KS-B-7(3-5), KS-B-8(3-5), KS-B-6(2-5), KS-MW-5(2-5), KS-MW-3(4-5) | Estimate (UJ9) the nondetect results for the affected compounds in all samples, results may be biased low. |
| phenol<br>1,3-dichlorobenzene<br>1,2-dichlorobenzene<br>2-methylphenol | 28<br>58<br>59<br>57 | KS-FB-010804 | Estimate (UJ9) the nondetect results for the affected compounds in all samples, results may be biased low. |

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| Compound | Recovery (%) | Associated samples | Actions |
|---|---|---|---|
| hexachloroethane<br>4-methylphenol<br>benzoic acid<br>2,4-dimethylphenol<br>hexachlorocyclopentadiene<br>4-nitrophenol | 57<br>53<br>21<br>58<br>59<br>35 | | |
| benzoic acid<br>4-chloroaniline<br>3-nitroaniline<br>2,4-dinitrophenol<br>4,6-dinitro-2-methylphenol<br>3,3-dichlorobenzidine | 22<br>50<br>58<br>26<br>47<br><br>55 | K-SS-1, K-SS-2, K-SS-3, K-SS-4, K-SS-5, K-SS-6, K-SS-7, K-SS-8, K-SS-9, K-SS-DUP-1 | Estimate (UJ9) the nondetect results for the affected compounds in all samples, results may be biased low. |

* - Validation action was not required as this analysis was not reported for the affected analytes.

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## Internal Standards

The following table lists the internal standard recoveries found outside of control limits and the resulting validation actions:

| Sample | Internal standard | Actions |
|---|---|---|
| K-SS-4 | 1,4-Dichlorobenzene-d4 | Estimate the positive and nondetect results (J11/UJ11) for the compounds associated with the internal standard. Report this analysis. |
| K-SS-6 | 1,4-Dichlorobenzene-d4 | Estimate the positive and nondetect results (J11/UJ11) for the compounds associated with the internal standard. Report this analysis. |
| K-SS-8 | 1,4-Dichlorobenzene-d4 | Estimate the positive and nondetect results (J11/UJ11) for the compounds associated with the internal standard. Report this analysis. |
| K-SS-4RA* | Chlorobenzene-d5<br>1,4-Dichlorobenzene-d4 | Estimate the positive and nondetect results (J11/UJ11) for the compounds associated with the internal standard. Report original analysis. |
| K-SS-6RA* | 1,4-Dichlorobenzene-d4 | Estimate the positive and nondetect results (J11/UJ11) for the compounds associated with the internal standard. Report original analysis. |
| K-SS-8RA* | 1,4-Dichlorobenzene-d4 | Estimate the positive and nondetect results (J11/UJ11) for the compounds associated with the internal standard. Report original analysis. |
| KS-SS-DUP-1 | Perylene-d12 | Estimate the positive results (J11) for the compounds associated with the internal standard. |

* - Validation action was not required as this analysis was not reported for the affected analytes.

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## Field Duplicate Results

All criteria were met in the VOC and SVOC analyses.

## Quantitation Limits and Data Assessment

Sample calculations were spot-checked; there were no errors noted.
Results were reported which were below the lowest calibration standard level (RL) and above the method detection limit (MDL) in the VOC and SVOC analyses. These results were qualified by the laboratory (J). These results were qualified as estimated (J5) due to uncertainty at the low end of calibration.

The following table lists the sample dilutions and/or reanalyses which were performed and reported. Quantitation limits were elevated accordingly.

| Sample | VOC Analysis Reported | SVOC Analysis Reported |
|---|---|---|
| K-SS-4 | Low level analysis reported for all analytes. Sample analyzed twice due to poor internal standard area recoveries, report original analysis. | NR |
| K-SS-6 | Low level analysis reported for all analytes. Sample analyzed twice due to poor internal standard area recoveries, report original analysis. | NR |
| K-SS-8 | Low level analysis reported for all analytes. Sample analyzed twice due to poor internal standard area recoveries, report original analysis. | NR |
| KS-B-4(3-4) | NR | Laboratory performed 2-fold analysis. Final extract volume 0.5 ml. Report 2-fold dilution analysis for all analytes. |
| KS-B-7(3-5) | NR | Laboratory performed 2-fold analysis. Final extract volume 0.5 ml. Report 2-fold dilution analysis for all analytes. |
| KS-MW-3(4-5) | Laboratory performed and reported 5-fold dilution for all analytes. | Laboratory performed 50-fold analysis. Final extract volume 0.5 ml. Report 50-fold dilution analysis for all analytes. |

# Data Usability Summary Report

**Site:** Kingsbridge Station, Bronx, New York
**Laboratory:** Severn Trent Laboratories, Shelton, CT
**Report No.:** 205651
**Reviewer:** Lorie MacKinnon/GEI Consultants
**Date:** March 14, 2004

## Samples Reviewed and Evaluation Summary

| FIELD ID | LAB ID | FRACTIONS VALIDATED |
|---|---|---|
| KS-SS-1 | 205651-01 | PCBs, Metals, Cyanide |
| KS-SS-2 | 205651-02 | PCBs, Metals, Cyanide |
| KS-SS-3 | 205651-03 | PCBs, Metals, Cyanide |
| KS-SS-4 | 205651-04 | PCBs, Metals, Cyanide |
| KS-SS-5 | 205651-05 | PCBs, Metals, Cyanide |
| KS-SS-6 | 205651-06 | PCBs, Metals, Cyanide |
| KS-SS-7 | 205651-07 | PCBs, Metals, Cyanide |
| KS-SS-8 | 205651-08 | PCBs, Metals, Cyanide |
| KS-SS-9 | 205651-09 | PCBs, Metals, Cyanide |
| KS-SS-DUP-1 | 205651-10 | PCBs, Metals, Cyanide |
| KS-FB-010804 | 205651-11 | PCBs, Metals, Cyanide |
| KS-MW-4(0.5-1) | 205651-13 | PCBs, Metals, Cyanide |
| KS-B-4(3-4) | 205651-14 | PCBs, Metals, Cyanide |
| KS-B-7(3-5) | 205651-15 | PCBs, Metals, Cyanide |
| KS-B-8(3-5) | 205651-16 | PCBs, Metals, Cyanide |
| KS-B-6(2-5) | 205651-17 | PCBs, Metals, Cyanide |
| KS-MW-5(2-5) | 205651-18 | PCBs, Metals, Cyanide |
| KS-MW-3(4-5) | 205651-19 | PCBs, Metals, Cyanide |

| | | |
|---|---|---|
| Associated QC Samples: | Field/Trip Blanks: | KS-FB-010804 |
| | Field Duplicate pair: | KS-SS-3/KS-SS-DUP1 |

The above listed samples were collected on January 8 , 12, and 13, 2004 and were analyzed for polychlorinated biphenyls (PCBs) by SW-846 method 8082, metals by SW-846 methods 6010B/7471, and cyanide by SW-846 method 9012. The data validation was based on the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8080A/8000A, SOP No. HW-23, Revision 0, April 1995 and the USEPA Region II Standard Operating Procedure (SOP) for the Evaluation of Metals Data for the Contract Laboratory Program, SOP No. HW-2, Revision 11, January 1992.

The organic data were evaluated based on the following parameters:

* · Data Completeness
* · Holding Times and Sample Preservation

| | | |
|---|---|---|
| | · | Initial and Continuing Calibrations |
| * | · | Blanks |
| | · | Surrogate Recoveries |
| * | · | Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results |
| * | · | Laboratory Control Sample (LCS) Results |
| * | · | Field Duplicate Results |
| * | · | Moisture Content |
| | · | Quantitation Limits and Data Assessment |
| | · | Sample Quantitation and Compound Identification |

* - All criteria were met.

All results were found to be usable.

The organic validation recommendations were based on the following information.

## Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the PCB analyses.

## Holding Times and Sample Preservation

All criteria were met in the PCB analyses.

## Initial and Continuing Calibrations

The following table lists the Aroclor peak initial and/or continuing calibration results which were outside of control limits. No validation actions were required as the Aroclor %RSD or %D averages were within control limits.

| Compound | Calibration date | Instrument ID/Column | %RSD or %D |
|---|---|---|---|
| Aroclor 1016-4<br>Average Ar 1016 | CCAL 1/13/04<br>00:54 | HP5890-04/CLP-pest | 15.5%<br>9.7% |
| Aroclor 1260-5<br>Average Ar 1260 | CCAL 1/13/04<br>00:54 | HP5890-04/CLP-pest | 20.7%<br>14.6% |
| Aroclor 1016-5<br>Average Ar 1016 | CCAL 1/17/04<br>10:22 | HP5890-05/RTX-1701 | 15.4%<br>13.3% |
| Aroclor 1016-1<br>Average Ar 1016 | CCAL 1/22/04<br>22:36 | HP5890-01/RTX-35 | 19.2%<br>10.5% |
| Aroclor 1016-1 | CCAL 1/23/04 | HP5890-01/RTX-35 | 23.4% |

| Compound | Calibration date | Instrument ID/Column | %RSD or %D |
|---|---|---|---|
| Average Ar 1016 | 07:47 | | 13.2% |
| Aroclor 1016-1<br>Average Ar 1016 | CCAL 1/23/04<br>13:54 | HP5890-01/RTX-35 | 19.8%<br>8.7% |

## Blanks

Contamination was not detected in the PCB method and instrument blanks. Contamination was not detected in the field blank sample.

## Surrogate Recoveries

The following table lists the surrogate recoveries which were outside of control limits and the resulting validation actions.

| Sample | Surrogate/ Column | Recovery (%) | Control Limits | Actions |
|---|---|---|---|---|
| KS-MW-4(0.5-1) | DCB/2 | 208 | 25-159 | No validation action required; within limits on alternate column. |
| KS-B-4(3-4) | DCB/2 | 187 | 25-159 | No validation action required; within limits on alternate column. |
| KS-B-8(3-5)MSD | DCB/2 | 194 | 25-159 | No validation action required; within limits on alternate column. |
| KS-B-6(2-5) | DCB/2 | 195 | 25-159 | No validation action required; within limits on alternate column. |
| **DCB = Decachlorobiphenyl**<br>**TCMX = Tetrachloro-m-xylene** | | | | |

Surrogate recoveries were not calculable in samples KS-SS-2, KS-SS-3, KS-SS-5, KS-SS-9, and KS-SS-DUP1 due to the dilutions performed. Qualifications of the data on this basis was not required.

## MS/MSD Results

An MS/MSD was performed on sample KS-B-8(3-5) for the PCB analyses. All criteria were met.

## LCS Results

All criteria were met for the PCB analyses.

## Field Duplicate Results

The field duplicate pair of KS-SS-3 and KS-SS-DUP-1 was identified. All criteria were met.

## Moisture Content

All criteria were met.

## Quantitation Limits and Data Assessment

Sample calculations were spot-checked; there were no errors noted.

Results were reported which were below the lowest calibration standard level (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified by the laboratory (J). These results were qualified as estimated (J5) due to uncertainty at the low end of calibration. The following table lists the sample dilutions and/or reanalyses which were performed and reported. Quantitation limits were elevated accordingly.

| Sample | PCB Analysis Reported |
|---|---|
| KS-SS-2 | Laboratory performed 20-fold dilution analysis. |
| KS-SS-3 | Laboratory performed 20-fold dilution analysis. |
| KS-SS-5 | Laboratory performed 20-fold dilution analysis. |
| KS-SS-9 | Laboratory performed 20-fold dilution analysis. |
| KS-SS-DUP-1 | Laboratory performed 20-fold dilution analysis. |

## Sample Quantitation and Compound Identification

The following table lists the analytes which exhibited %Ds between the results from the two analytical columns which exceeded the acceptance criteria.

| Sample | Analyte | %D | Action |
|---|---|---|---|
| KS-SS-1 | Aroclor 1248 | 31 | Estimate (J25) the positive result. |
| KS-SS-1 | Aroclor 1260 | 38 | Estimate (J25) the positive result. |
| KS-SS-2 | Aroclor 1260 | 99 | Result for Aroclor 1260 was <CRQL. Report the result for Aroclor 1260 as nondetect (U25). |
| KS-SS-4 | Aroclor 1260 | 57 | Result for Aroclor 1260 was <CRQL. Report the result |

| Sample | Analyte | %D | Action |
|---|---|---|---|
| | | | for Aroclor 1260 as nondetect (U25). |
| KS-SS-7 | Aroclor 1248 | 31 | Estimate (J25) the positive result. |
| KS-SS-7 | Aroclor 1260 | 58 | Result for Aroclor 1260 was <CRQL. Report the result for Aroclor 1260 as nondetect (U25). |
| KS-SS-8 | Aroclor 1260 | 87 | Result for Aroclor 1260 was <CRQL. Report the result for Aroclor 1260 as nondetect (U25). |
| KS-MW-4(0.5-1) | Aroclor 1260 | 183 | Result for Aroclor 1260 was <CRQL. Report the result for Aroclor 1260 as nondetect (U25). |
| KS-B-4(3-4) | Aroclor 1254 | 111 | Interference was present; qualify (NJ25) the result for Aroclor 1254 as presumptively present. |
| KS-B-8(3-5) | Aroclor 1260 | 73 | Result for Aroclor 1260 was <CRQL. Report the result for Aroclor 1260 as nondetect (U25). |
| KS-B-6(2-5) | Aroclor 1260 | 548 | Result for Aroclor 1260 was <CRQL. Report the result for Aroclor 1260 as nondetect (U25). |

Based on Region II validation guidelines, the evaluation of dual column differences is performed as follows:

| | |
|---|---|
| % Difference 25 - 70% | Estimate (J25) positive result. |
| % Difference 70 - 100% | Estimate (NJ25) the positive result as presumptively present. |
| % Difference >100% | Reject (R25) the positive result if no interference is present. |
| % Difference 100-200% (Interference) | Estimate (NJ25) the positive result as presumptively present. |
| % Difference >50% (value <CRQL) | Raise the value to the CRQL and qualify as nondetect (U25). |

Sample calculations were spot-checked; no discrepancies were noted.

The inorganic data were evaluated based on the following parameters:

* Data Completeness
* Holding Times and Sample Preservation
  Instrument Calibration
  Contract Required Detection Limit (CRDL) Standard Analysis
  Blank Analysis Results
  Inductively Coupled Plasma (ICP) Interference Check Sample Results
  Matrix Spike (MS) Results
* Laboratory Duplicate Results
* Field Duplicate Results
* Laboratory Control Sample (LCS) Results
  ICP Serial Dilution Results
* Moisture Content
* Sample Quantitation and Data Assessment

* All criteria were met for this parameter.

All results were found to be usable with the exception of the positive result for zinc in sample KS-SS-3 which was rejected due to extremely high CRDL standard recovery.

The validation recommendations were based on the following information.

**Data Completeness**

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the metals and cyanide analyses.

**Holding Times and Sample Preservation**

All criteria were met in the metals and cyanide analyses.

**Instrument Calibration**

The following table lists the recoveries which were outside the control limits in the metals calibration standards.

| Analyte | Recovery | Analysis Date/ Calibration Standard | Associated Samples | Actions |
|---|---|---|---|---|
| Potassium | 89% | 1/15/04 CCV6 | KS-FB-010804 | Validation actions were not required; project samples were not bracketed by |

| Analyte | Recovery | Analysis Date/ Calibration Standard | Associated Samples | Actions |
|---|---|---|---|---|
| | | | | this calibration standard. |

## CRDL Standard Analysis

A low level standard was analyzed for the ICP analyses. The following table lists the analytes which exhibited recoveries outside of the validation control limits of 80 - 120%. Based on Region II validation guidelines, the affected analyte level range is determined by the true value of the standard ± 2x the standard level.

| Analyte | Recovery | Associated Samples | Validation Actions |
|---|---|---|---|
| Potassium | 72%, 77% | KS-FB-010804 | Estimate (UJ14) the nondetect result for potassium in sample KS-FB-010804; result may be biased low. |
| Aluminum | 149% | KS-FB-010804 | Validation action was not required; result for aluminum was nondetect in the affected sample and therefore not affected by the potential high bias. |
| Aluminum | 123%, 130% | All soils | Validation actions were not required; sample results were greater than the affected range. |
| Potassium | 78%, 78% | All soils | Estimate (J14) the positive results for potassium in all soil samples; results may be biased low. |
| Zinc | 243% | All soils | Reject (R14) the positive result for zinc in sample KS-SS-3. Remaining results for zinc were greater than the affected range. |

## Blank Analysis Results

All total metals instrument and method blank results were found to be less than the CRDL.

Sample results were reported down to the method detection limit. As low level contamination was detected in method and instrument blanks, technical judgement was used to evaluate the possible laboratory contamination as follows:

For positive contamination,
If the positive sample value was > the IDL and < the Action Level, qualify the result as a nondetect (U6) at the reported concentration.
If the positive sample value was > the IDL and > the Action Level, report the value unqualified.

For negative contamination,
If the positive sample value was > the instrument detection limit (IDL) and < the Action Level, qualify the result as estimated (J22) at the reported concentration. The result may be biased low.
If the result was nondetect, qualify the result as estimated (UJ22) at the detection limit. The result may be biased low.

If the positive sample value was > the Action Level, report the value unqualified.

The following table summarizes the blank contaminants detected in the laboratory blanks and associated action levels.

| Analyte | Maximum Concentration | Action Level (mg/kg) | Validation Actions |
|---|---|---|---|
| Aluminum | (75.8 ug/L), 3.79 mg/kg | 18.9 mg/kg | No actions required. |
| Manganese | (12.9 ug/L), 0.64 mg/kg | 3.2 mg/kg | No actions required. |

The following table summarizes the blank contaminants detected in the field blank, KS-FB010804, associated with all soil samples, and the associated action levels. Nickel was detected below the soil CRDL, therefore sample results less than the action level were qualified as nondetects (U6), rather than rejected.

| Analyte | Maximum Concentration | Blank Action Level (mg/kg) | Validation Actions |
|---|---|---|---|
| Nickel | (12.1 ug/L) 3.0 mg/kg | 15 | Qualify the results as nondetect (U6) for nickel in samples KS-SS-3, KS-SS-8, KS-SS-9, KS-SS-DUP1, and KS-B-4(3-4). |

## ICP ICS Results

The following table lists the analytes recovered outside of control limits in the ICSAB analysis.

| Analyte | Recovery (%) | Associated Samples | Validation Actions |
|---|---|---|---|
| Selenium<br>Thallium | 72<br>68 | KS-FB010804 | No actions required; sample interferent levels were less than 50% those of the ICSAB. |
| Lead<br>Selenium | 79<br>73 | All soil samples | Estimate (J/UJ16) the positive result for lead and nondetect result for selenium in sample KS-B-7(3-5); results may be biased low. Validation action was not required for the remaining samples as interferent levels were less than 50% those of the ICSAB. |

Positive results were observed for cadmium and antimony in the ICSA solution analyses associated with all soil samples. Positive results were observed for cadmium and negative results were observed for thallium in the ICSA solution analysis associated with sample KS-FB010804. The levels of interferents in samples were reviewed. Iron was present in sample KS-B-7(3-5) (52%) at greater than 50% that of the level in the ICSA solution. Professional judgement was used to accept results in which the estimated interference was less than 10% of the analyte level or in which the negative interference was less than one half the sample quantitation limit (QL). Interferences were

calculated at the instrument (aqueous) level.

| Sample | Analyte | Sample Result (ug/L) | Estimated Interference (ug/L) | Actions |
|---|---|---|---|---|
| KS-B-7(3-5) | Cadmium | 5 U | 0.30 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Antimony | 6U | 1.3 | No validation action required; result was nondetect and therefore not affected by potential high bias. |

## MS Results

A matrix spike analysis was performed on sample KS-SS-1 for the metals analyses, on samples KS-SS-1 and KS-MW-4(0.5-1) for the mercury analyses, and on samples KS-SS-6 and KS-B-7(3-5) for the cyanide analyses. The following table lists the analyte recoveries found outside of the control limits of 75-125% .

| Analyte | MS Sample | Recovery (%) | Validation Actions |
|---|---|---|---|
| Antimony | KS-SS-1 | 39 | Estimate (UJ8) the nondetect results for antimony in all samples; possible low bias. |
| Calcium | KS-SS-1 | 72 | Estimate (J8) the positive results for calcium in all samples; possible low bias. |
| Manganese | KS-SS-1 | 45 | Estimate (J8) the positive results for manganese in all samples; possible low bias. |
| Nickel | KS-SS-1 | 153 | Estimate (J/UJ8) the positive and blank-qualified nondetect results for nickel in all samples; possible high bias. |
| Potassium | KS-SS-1 | 63 | Estimate (J8) the positive results for potassium in all soil samples; possible low bias. |
| Zinc | KS-SS-1 | 68 | Estimate (J8) the positive results for zinc in all soil samples, with the exception of KS-SS-3 which was previously rejected. Results may be biased low. |
| Cyanide | KS-SS-6<br>KS-B-7(3-5) | 72<br>65 | Estimate (UJ8) the nondetect results for cyanide in all samples; possible low bias. |

The laboratory performed and reported additional matrix spike analyses on various non-project samples. Qualification of the data was not performed based on these results due to differences in sample type, matrix, etc.

## Laboratory Duplicate Results

A laboratory duplicate analysis was performed on sample KS-SS-1 for the metals analyses, on samples KS-SS-1 and KS-MW-4(0.5-1) for the mercury analyses, and on samples KS-SS-6 and KS-B-7(3-5) for the cyanide analyses. All criteria were met.

## Field Duplicate Results

The soil field duplicate pair of KS-SS-3 and KS-SS-DUP1 was submitted with this sample group. Analyte %RPDs were within the inorganic control limit of 100% or +/-2x quantitation limit (QL) for soil levels <5xQL.

## Laboratory Control Sample (LCS) Results

All criteria were met in the metals and cyanide analyses.

## ICP Serial Dilution Results

The laboratory performed an ICP serial dilution analysis on sample KS-SS-1. The following table lists the analyte percent differences (%Ds) found outside of the control limit of 10%.

| Analyte | %D | Validation Actions |
|---|---|---|
| Copper | 13.2% | Estimate (J19) the positive results for copper in all soils. |

## Moisture Content

All criteria were met.

## Sample Quantitation and Data Assessment

Sample calculations were spot-checked; no discrepancies were noted.

**Site:** Kingsbridge Station
**Laboratory:** Severn Trent Labs, Inc., Shelton, CT
**Job No.:** 205694
**Reviewer:** Lisa McDonagh/GEI Consultants
**Date:** March 16, 2004

**Samples Reviewed and Evaluation Summary**

| FIELD ID | LAB ID | FRACTIONS VALIDATED |
|---|---|---|
| KS-B-7(48-49) | 205694-01 | VOC, SVOC |
| KS-B-8(30-32) | 205694-02 | VOC, SVOC |
| KS-B-7(16.5-18) | 205694-03 | VOC, SVOC |
| KS-B-8(12-14) | 205694-04 | VOC, SVOC |
| KS-B-3(2-4) | 205694-05 | VOC, SVOC |
| KS-B-5(3-5) | 205694-06 | VOC, SVOC |
| KS-B-DUP-1 | 205694-07 | VOC, SVOC |
| KS-FB-011904 | 205694-08 | VOC, SVOC |
| KS-B-5(8-10) | 205694-09 | VOC, SVOC |
| KS-B-5(14-16) | 205694-10 | VOC, SVOC |
| KS-MW-5(16.5-18) | 205694-11 | VOC, SVOC |
| KS-MW-5(34-36) | 205694-12 | VOC, SVOC |
| KS-B-6A(10-12) | 205694-13 | VOC, SVOC |
| KS-B-6A(24-26) | 205694-14 | VOC, SVOC |
| KS-B-5A(12-14) | 205694-15 | VOC, SVOC |
| KS-MW-4(10-12) | 205694-16 | VOC, SVOC |
| KS-MW-4(32-33) | 205694-17 | VOC, SVOC |
| KS-MW-2(16-18) | 205694-18 | VOC, SVOC |
| KS-MW-2(12-14) | 205694-19 | VOC, SVOC |

| | | |
|---|---|---|
| Associated QC Samples: | Field/Trip Blanks: | KS-FB-011904 |
| | Field Duplicate pair: | KS-B-3(2-4)/KS-B-DUP-1 |

The above listed soil and aqueous samples were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B, semivolatile organic compounds (SVOCs) by SW-846 method 8270C. The data validation was based on the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8260B, SOP No. HW-24, Revision 1, June 1999, USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8270C, SOP No. HW-22, Revision 2, June 2001.

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The organic data were evaluated based on the following parameters:

| | | |
|---|---|---|
| * | · | Data Completeness |
| * | · | Holding Times and Sample Preservation |
| * | · | Gas Chromatography/Mass Spectrometry (GC/MS) Tunes |
| | · | Initial and Continuing Calibrations |
| | · | Blanks |
| | · | Surrogate Recoveries |
| NA | · | Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results |
| | · | Laboratory Control Sample (LCS) Results |
| * | · | Internal Standards |
| | · | Field Duplicate Results |
| | · | Quantitation Limits and Data Assessment |

| | | |
|---|---|---|
| * | - | All criteria were met. |
| NA | - | Not applicable |

All results were found to be usable with the exception of benzoic acid in samples KS-B-7(48-49), KS-B-8(30-32), KS-B-7(16.5-18), KS-B-8(12-14), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1, KS-B-5(8-10), KS-B-5(14-16) , KS-MW-5(16.5-18), KS-MW-2(12-14) and KS-B-5A(12-14) and 2,4-dinitrophenol in sample KS-B-5A(12-14)due to poor laboratory control spike recoveries and bromomethane in samples KS-MW-5(34-36), KS-B-6A(10-12) , KS-B-6A(24-26) , KS-B-5A(12-14) , KS-MW-4(10-12) , KS-MW-4(32-33) and KS-MW-2(12-14) due to poor response factors in the initial and continuing calibrations..

The organic validation recommendations were based on the following information.

## Data Completeness

The data package was found to be complete.

## Holding Times and Sample Preservation

All criteria were met in the VOC and SVOC analyses.

## GC/MS Tunes

All criteria were met in the VOC and SVOC analyses.

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## Initial and Continuing Calibrations

Compounds that did not meet criteria in the VOC and SVOC initial and continuing calibrations are summarized in the following tables.

| **Instrument ID**<br>**MSN**<br>**Compound** | **IC**<br>**11/24/03** | **CC**<br>**1/21/04** | **CC**<br>**1/26/04** |
|---|---|---|---|
| chloromethane | | XX (23.3%) | |
| bromomethane | X (20.9%) | XX (69.4%) | XX (81.3%), + (0.038) |
| chloroethane | X (31.6%) | | |
| carbon disulfide | | | XX (20.8%) |
| acetone | X (17.9%) | | |
| 1,1,1-trichloroethane | | XX (24.9%) | |
| trichloroethene | | XX (20.8%) | XX (21.5%) |
| 4-methyl-2-pentanone | | XX (22.2%) | |
| bromoform | X (15.3%) | | |
| Samples Affected | All listed | KS-B-7(48-49),<br>KS-B-8(30-32),<br>KS-B-7(16.5-18),<br>KS-B-8(12-14),<br>KS-B-3(2-4),<br>KS-B-5(3-5),<br>KS-B-DUP-1,<br>KS-B-5(8-10),<br>KS-B-5(14-16),<br>KS-MW-5(16.5-18) | KS-MW-5(34-36),<br>KS-B-6A(10-12),<br>KS-B-6A(24-26),<br>KS-B-5A(12-14),<br>KS-MW-4(10-12),<br>KS-MW-4(32-33),<br>KS-MW-2(12-14) |

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| **Instrument ID**<br>**MSN**<br>**Compound** | **IC**<br>**11/24/03** | **CC**<br>**1/29/04** |
|---|---|---|
| bromomethane | X (20.9%) | XX (73.9%) |
| chloroethane | X (31.6%) | |
| acetone | X (17.9%) | |
| 1,1,1-trichloroethane | | XX (36.3%) |
| carbon tetrachloride | | XX (32.9%) |
| 1,2-dichloroethane | | XX (24.1%) |
| trichloroethene | | XX (26.0%) |
| 4-methyl-2-pentanone | | XX (29.0%) |
| 2-hexanone | | XX (26.9%) |
| 1,1,2,2-tetrachloroethane | | XX (27.0%) |
| bromoform | X (15.3%) | |
| Samples Affected | All listed | KS-MW-2(16-18) |

| **Instrument ID**<br>**MSO**<br>**Compound** | **IC**<br>**1/26/04** | **CC**<br>**1/28/04** |
|---|---|---|
| bromomethane | X (18.4%) | |
| Samples Affected | All listed | KS-FB-011904 |

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| **Instrument ID**<br>**MSP**<br>**Compound** | **IC**<br>**1/28/04** |
|---|---|
| benzoic acid | X (33.1%) |
| hexachlorocyclopentadiene | X (16.2%) |
| 2,4-dinitrophenol | X (27.7%) |
| pentachlorophenol | X (16.1%) |
| Samples Affected | KS-B-7(16.5-18),<br>KS-B-8(12-14),<br>KS-B-5(3-5),<br>KS-B-DUP-1 |

| **Instrument ID**<br>**MSP**<br>**Compound** | **IC**<br>**1/29/04** | **CC**<br>**1/30/04** |
|---|---|---|
| 2,2-oxybis(1-chloropropane) | X (21.4%) | |
| benzoic acid | X (19.0%) | |
| hexachlorocyclopentadiene | X (21.5%) | |
| benzo(k)fluoranthene | | XX (20.5%) |
| Samples Affected | All listed and<br>KS-B-6A(10-12) | KS-B-3(2-4),<br>KS-B-5(8-10),<br>KS-B-5(14-16),<br>KS-MW-5(16.5-18),<br>KS-MW-2(16-18),<br>KS-MW-2(12-14) |

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| Instrument ID<br>MSQ<br>Compound | IC<br>1/28/04 | CC<br>1/29/04 |
|---|---|---|
| bis(2-chloroethyl)ether | | XX (30.1%) |
| benzyl alcohol | | XX (20.2%) |
| 2,2'-oxybis(1-chloropropane) | | XX (41.4%) |
| N-nitroso-di-n-propylamine | | XX (23.1%) |
| 4-methylphenol | | XX (21.1%) |
| hexachloroethane | | XX (20.6%) |
| benzoic acid | X (16.7%) | XX (35.8%) |
| 2,4-dinitrophenol | X (35.3%) | XX (47.8%) |
| 2,4-dinitrotoluene | X (15.2%) | |
| 4,6-dinitro-2-methylphenol | X (29.2%) | XX (25.2%) |
| Samples Affected | All listed | KS-FB-011904, KS-MW-5(34-36), KS-B-6A(24-26), KS-MW-4(10-12), KS-MW-4(32-33) |

| Instrument ID<br>MSR<br>Compound | IC<br>1/22/04 | CC<br>1/26/04 |
|---|---|---|
| hexachlorocyclopentadiene | X (27.5%) | XX (40.2%) |
| pentachlorophenol | X (16.1%) | |
| benzo(b)fluoranthene | | XX (21.8%) |
| Samples Affected | All listed | KS-B-7(48-49), KS-B-8(30-32) |

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X = Initial calibration (IC) relative standard deviation (%RSD) > 15; estimate (J3) positive and (UJ3) nondetect results.

XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ4) positive and nondetect results.

+ = Response factor (RRF) < 0.05; Estimate (J2) positive results and reject (R2) nondetect results.

The following results were qualified as estimated (J/UJ3) due to initial calibration nonconformances: bromomethane, chloroethane, acetone and bromoform in samples KS-B-7(48-49), S-B-8(30-32), KS-B-7(16.5-18), KS-B-8(12-14), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1 , KS-B-5(8-10), KS-B-5(14-16) , KS-MW-5(16.5-18), KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-B-5A(12-14) , KS-MW-4(10-12), KS-MW-4(32-33) and KS-MW-2(12-14) bromomethane, chloroethane acetone and bromoform in sample KS-MW-2(16-18), bromomethane in sample KS-FB-011904, benzoic acid, hexachlorocyclopentadiene, 2,4-dinitrophenol and pentachlorophenol in samples KS-B-7(16.5-18), KS-B-8(12-14), KS-B-5(3-5), KS-B-DUP-1, 2,2-oxybis(1-chloropropane), benzoic acid and hexachlorocyclopentadiene in samples KS-B-6A(10-12), KS-B-3(2-4), KS-B-5(8-10), KS-B-5(14-16), KS-MW-5(16.5-18), KS-MW-2(16-18) and KS-MW-2(12-14), benzoic acid, 2,4-dinitrophenol, 2,4-dinitrotoluene and 4,6-dinitro-2-methylphenol in samples KS-FB-011904, KS-MW-5(34-36), KS-B-6A(24-26), KS-MW-4(10-12), KS-MW-4(32-33) and hexachlorocyclopentadiene and pentachlorophenol in samples KS-B-7(48-49) and KS-B-8(30-32), due to initial calibration nonconformances. The following results were qualified as estimated (J/UJ4) due to continuing calibration nonconformances: chloromethane, bromomethane, 1,1,1-trichloroethane, trichloroethene and 4-methyl-2-pentanone in samples KS-B-7(48-49), KS-B-8(30-32), KS-B-7(16.5-18), KS-B-8(12-14), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1 , KS-B-5(8-10), KS-B-5(14-16) , KS-MW-5(16.5-18), bromomethane, carbon disulfide and trichloroethene in samples KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-B-5A(12-14) , KS-MW-4(10-12), KS-MW-4(32-33) and KS-MW-2(12-14), bromomethane, 1,1,1-trichloroethane, carbon tetrachloride, 1,2-dichloroethane, trichloroethene, 4-methyl-2-pentanone, 2-hexanone, 1,1,2,2-tetrachloroethane in sample KS-MW-2(16-18), benzo(k)fluoranthene in samples KS-B-3(2-4), KS-B-5(8-10), KS-B-5(14-16), KS-MW-5(16.5-18), KS-MW-2(16-18) and KS-MW-2(12-14), bis(2-chloroethyl)ether, benzyl alcohol, 2,2-oxbis(1-chloropropane), N-nitroso-di-n-propylamine, 4-methylphenol, hexachloroethane, benzoic acid, 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol in samples KS-FB-011904, KS-MW-5(34-36), KS-B-6A(24-26), KS-MW-4(10-12), KS-MW-4(32-33) and hexachlorocyclopentadiene and benzo(b)fluoranthene in samples KS-B-7(48-49) and KS-B-8(30-32)

due to continuing calibration nonconformances. The following positive results were qualified as estimated and the nondetect results were qualified as rejected (J2/R2) due to initial and/or continuing calibration nonconformances: bromomethane in samples KS-MW-5(34-36), KS-B-6A(10-12) , KS-B-6A(24-26) , KS-B-5A(12-14) , KS-MW-4(10-12) , KS-MW-4(32-33) and KS-MW-2(12-14) .

## Blanks

The following table summarizes the method blank contamination in the VOC and SVOC analyses.

| Compound | Type of Blank | Associated Samples | Maximum Concentration | Blank Action Level |
|---|---|---|---|---|
| methylene chloride | Soil Method Blank | KS-B-7(48-49), KS-B-8(30-32) , KS-B-7(16.5-18), KS-B-8(12-14), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1, KS-B-5(8-10), KS-B-5(14-16), KS-MW-5(16.5-18) | 1.28 ug/Kg | 12.8 ug/Kg |
| carbon disulfide | Soil Method Blank | KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-B-5A(12-14), KS-MW-4(10-12), KS-MW-4(32-33), KS-MW-2(12-14) | 2.26 ug/Kg | 11.3 ug/Kg |
| di-n-butylphthalate | Aqueous Method Blank | KS-FB-011904 | 0.67 ug/L | 6.7 ug/L |
| di-n-butylphthalate | Soil Method Blank | KS-B-7(48-49), KS-B-8(30-32) | 48.0 ug/Kg | 480 ug/Kg |
| di-n-butylphthalate | Soil Method Blank | KS-B-7(16.5-18), KS-B-8(12-14), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1, KS-B-5(8-10), KS-B-5(14-16), KS-MW-5(16.5-18) | 47.1 ug/Kg | 471 ug/Kg |
| di-n-butylphthalate | Soil Method Blank | KS-MW-5(34-36), KS-B-6A(24-26), KS-MW-4(10-12), | 63.8 ug/Kg | 638 ug/Kg |

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| Compound | Type of Blank | Associated Samples | Maximum Concentration | Blank Action Level |
|---|---|---|---|---|
| | | KS-MW-4(32-33) | | |
| bis(2-ethylhexyl)phthalate | Soil Method Blank | KS-MW-5(34-36), KS-B-6A(24-26), KS-MW-4(10-12), KS-MW-4(32-33) | 41.8 ug/Kg | 418 ug/Kg |
| diethylphthalate | Soil Method Blank | KS-B-6A(10-12), KS-MW-2(16-18) | 17.7 ug/Kg | 177 ug/Kg |
| di-n-butylphthalate | Soil Method Blank | KS-B-6A(10-12), KS-MW-2(16-18) | 60.0 ug/Kg | 600 ug/Kg |
| bis(2-ethylhexyl)phthalate | Soil Method Blank | KS-B-6A(10-12), KS-MW-2(16-18) | 39.9 ug/Kg | 399 ug/Kg |
| di-n-butylphthalate | Soil Method Blank | KS-MW-2(12-14) | 58.6 ug/Kg | 586 ug/Kg |

Blank Actions

If the sample concentration ≤ QL and ≤ blank action level, qualify the result as not detected (U6) at the QL.
If the sample concentration > QL and ≤ blank action level, qualify the result as not detected (U6) at the reported value.
If the sample concentration > blank action level, report the value unqualified.

Based on the action levels determined, the methylene chloride result in samples KS-B-7(48-49), KS-B-8(30-32), KS-B-7(16.5-18), KS-B-8(12-14), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1, KS-B-5(8-10), KS-B-5(14-16) and KS-MW-5(16.5-18), carbon disulfide in samples KS-B-6A(10-12), KS-B-5A(12-14), KS-MW-4(10-12), KS-MW-4(32-33) and KS-MW-2(12-14), di-n-butylphthalate in samples KS-B-7(48-49), KS-B-8(30-32), KS-B-7(16.5-18), KS-B-8(12-14), KS-B-5(3-5), KS-MW-5(16.5-18), KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-MW-4(10-12), KS-MW-4(32-33) and KS-MW-2(12-14) and bis(2-ethylhexyl)phthalate in samples KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-MW-4(10-12), KS-MW-4(32-33) were qualified as nondetect (U6) due to method blank contamination.

## Surrogate Recoveries

All criteria were met in the VOC analyses.

The semivolatile surrogates were outside of the control limits in the following samples KS-B-3(2-4) and KS-B-DUP-1 due to sample dilutions. Qualifications were not required.

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## MS/MSD Results

An MS/MSD was not submitted with these samples.

## LCS Results

The following table lists the VOC and SVOC compound recoveries found outside of the laboratory control limits of 60-140% and the resultant actions.

| Compound | Recovery (%) | Associated samples | Actions |
|---|---|---|---|
| bromomethane | 27 | KS-B-7(48-49), KS-B-8(30-32), KS-B-7(16.5-18), KS-B-8(12-14), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1, KS-B-5(8-10), KS-B-5(14-16), KS-MW-5(16.5-18) | Estimate (UJJ9) the nondetect results for bromomethane in the associated samples; results may be biased low. |
| bromomethane | 17 | KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-B-5A(12-14), KS-MW-4(10-12), KS-MW-4(32-33), KS-MW-2(12-14) | Estimate (UJ9) the nondetect results for bromomethane in the associated samples; results may be biased low. |
| acetone | 154 | KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-B-5A(12-14), KS-MW-4(10-12), KS-MW-4(32-33), KS-MW-2(12-14) | Estimate (J9) the positive results for acetone in the associated samples, results may be biased high. |
| bromomethane | 37 | KS-MW-2(16-18) | Estimate (UJ9) the nondetect results for bromomethane in the associated sample, results may be biased low. |
| acetone | 148 | KS-MW-2(16-18) | Estimate (J9) the positive results for acetone in the associated sample, results may be biased high. |
| acetone | 152 | KS-FB-011904 | Validation not required, acetone was not detected in the associated sample. |
| benzoic acid | 0 | KS-B-7(48-49), KS-B-8(30-32), | Reject (R9) the nondetect results for benzoic acid in the associated |

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| Compound | Recovery (%) | Associated samples | Actions |
|---|---|---|---|
| | | KS-B-7(16.5-18),<br>KS-B-8(12-14),<br>KS-B-3(2-4),<br>KS-B-5(3-5),<br>KS-B-DUP-1,<br>KS-B-5(8-10),<br>KS-B-5(14-16),<br>KS-MW-5(16.5-18) | samples. |
| 2,4-dimethylphenol<br>4-chloroaniline<br>2,4,6-trichlorophenol<br>hexachlorocyclopentadiene<br>3-nitroaniline<br>pentachlorophenol<br>3,3-dichlorobenzidine | 59<br>38<br>53<br>56<br>50<br>55<br>45 | KS-B-7(48-49),<br>KS-B-8(30-32),<br>KS-B-7(16.5-18),<br>KS-B-8(12-14),<br>KS-B-3(2-4),<br>KS-B-5(3-5),<br>KS-B-DUP-1,<br>KS-B-5(8-10),<br>KS-B-5(14-16),<br>KS-MW-5(16.5-18) | Estimate (UJ9) the nondetect results for the affected compounds in the associated samples, results may be biased low. |
| benzoic acid<br>4-chloroaniline<br>2,4-dinitrophenol<br>3,3-dichlorobenzidine | 12<br>25<br>49<br>57 | KS-MW-5(34-36),<br>KS-B-6A(10-12),<br>KS-B-6A(24-26),<br>KS-MW-4(10-12),<br>KS-MW-4(32-33),<br>KS-MW-2(16-18), | Estimate (UJ9) the nondetect results for the affected compounds in the associated samples, results may be biased low. |
| phenol<br>1,3-dichlorobenzene<br>1,4-dichlorobenzene<br>benzoic acid<br>hexachlorobutadiene<br>4-nitrophenol | 36<br>56<br>56<br>25<br>56<br>38 | KS-FB-011904 | Estimate (UJ9) the nondetect results for the affected compounds in the associated sample, results may be biased low. |
| benzoic acid | 0 | KS-MW-2(12-14) | Reject (R9) the nondetect results for benzoic acid in the associated sample. |
| 4-chloroaniline<br>2,4-dinitrophenol | 45<br>21 | KS-MW-2(12-14) | Estimate (UJ9) the nondetect results for the affected compounds in the associated sample, results may be biased low. |
| benzoic acid<br>2,4-dinitrophenol | 0<br>9 | KS-B-5A(12-14) | Reject (R9) the nondetect results for the affected compounds in the associated sample. |
| bis(2-chloroethyl)ether<br>1,3-dichlorobenzene<br>1,4-dichlorobenzene<br>1,2-dichlorobenzene<br>hexachloroethane<br>nitrobenzene | 58<br>57<br>58<br>59<br>55<br>59 | KS-B-5A(12-14) | Estimate (UJ9) the nondetect results for the affected compounds in the associated sample, results may be biased low. |

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| Compound | Recovery (%) | Associated samples | Actions |
|---|---|---|---|
| bis(2-chloroethoxy)methane | 57 | | |
| 1,2,4-trichlorobenzene | 58 | | |
| isophorone | 59 | | |
| 2,4-dimethylphenol | 56 | | |
| hexachlorobutadiene | 58 | | |
| naphthalene | 58 | | |
| 2,4-dichlorophenol | 59 | | |
| 4-chloroaniline | 24 | | |
| 2,4,6-trichlorophenol | 50 | | |
| hexachlorocyclopentadiene | 44 | | |
| 2-methylnaphthalene | 58 | | |
| 2-nitrophenol | 49 | | |
| 3-nitroaniline | 46 | | |
| pentachlorophenol | 36 | | |
| 4,6-dinitro-2-methylphenol | 30 | | |
| 3,3-dichlorobenzidine | 42 | | |

## Internal Standards

All criteria were met in the VOC and SVOC analyses.

## Field Duplicate Results

The field duplicate pair of KS-B-3(2-4) and KS-B-DUP-1 was submitted with this sample group. The following table lists the %RPDs found outside of the control limit of 50% or +/-2x quantitation limit (QL) for levels <5xQL. The direction of the bias cannot be determined by these nonconformances.

| Analyte | KS-B-3 (2-4) (ug/kg) | KS-B-DUP-1 (ug/kg) | RPD (%) | Actions |
|---|---|---|---|---|
| phenanthrene | 29000 | 880 | 188 | Estimate (J10) the positive results for phenanthrene in samples KS-B-3 (2-4) and KS-B-DUP-1. |
| anthracene | 6700 | 260 | 185 | Estimate (J10) the positive results for anthracene in samples KS-B-3 (2-4) and KS-B-DUP-1. |
| fluoranthene | 22000 | 950 | 183 | Estimate (J10) the positive results for fluoranthene in samples KS-B-3 (2-4) and KS-B-DUP-1. |
| pyrene | 18000 | 770 | 184 | Estimate (J10) the positive results for pyrene in samples KS-B-3 (2-4) and KS-B-DUP-1. |
| benzo(a)anthracene | 8700 | 480 | 179 | Estimate (J10) the positive results for benzo(a)anthracene in samples KS-B-3 (2-4) and KS-B-DUP-1. |
| chrysene | 7900 | 480 | 177 | Estimate (J10) the positive results for chrysene in samples KS-B-3 (2-4) and KS-B-DUP-1. |
| benzo(a)pyrene | 6400 | 480 | 172 | Estimate (J10) the positive results for benzo(a)pyrene in samples KS-B-3 (2-4) and KS-B-DUP-1. |

## Quantitation Limits and Data Assessment

Sample calculations were spot-checked; there were no errors noted.
Results were reported which were below the lowest calibration standard level (RL) and above the method detection limit (MDL) in the VOC and SVOC analyses. These results were qualified by the laboratory (J). These results were qualified as estimated (J5) due to uncertainty at the low end of

calibration.

The laboratory was unable to determine the inflection point between benzo(b)fluoranthene and benzo(k)fluoranthene in sample KS-B-7(48-49), the compounds were reported as a total concentration of benzo(b)fluoranthene. Estimate the benzo(b)fluoranthene results as (J36) in the sample KS-B-7(48-49).

The following table lists the sample dilutions and/or reanalyses which were performed and reported. Quantitation limits were elevated accordingly.

| Sample | VOC Analysis Reported | SVOC Analysis Reported |
|---|---|---|
| KS-B-3(2-4) | NR | Laboratory performed 8-fold analysis. Final extract volume 1.0 ml. Report 8-fold dilution for all analytes. |
| KS-B-5(8-10) | NR | Laboratory performed 4-fold analysis. Final extract volume 2.0 ml. Report 4-fold dilution for all analytes. |
| KS-B-5A(12-14) | NR | Laboratory performed 2-fold analysis. Final extract volume 0.5 ml. Report 2-fold dilution analysis for all analytes. |
| KS-MW-2(16-18) | Low level analysis reported for all analytes. Laboratory performed and reported 5-fold dilution for all analytes. | Laboratory performed 10-fold analysis. Final extract volume 0.5 ml. Report 10-fold dilution analysis for all analytes. |

# Data Usability Summary Report

**Site:** Kingsbridge Station, Bronx, New York
**Laboratory:** Severn Trent Laboratories, Shelton, CT
**Report No.:** 205694
**Reviewer:** Lorie MacKinnon/GEI Consultants
**Date:** March 14, 2004

## Samples Reviewed and Evaluation Summary

| FIELD ID | LAB ID | FRACTIONS VALIDATED |
|---|---|---|
| KS-B-7(48-49) | 205694-01 | PCBs, Metals, Cyanide |
| KS-B-8(30-32) | 205694-02 | PCBs, Metals, Cyanide |
| KS-B-7(16.5-18) | 205694-03 | PCBs, Metals, Cyanide |
| KS-B-8(12-14) | 205694-04 | PCBs, Metals, Cyanide |
| KS-B-3(2-4) | 205694-05 | PCBs, Metals, Cyanide |
| KS-B-5(3-5) | 205694-06 | PCBs, Metals, Cyanide |
| KS-B-DUP-1 | 205694-07 | PCBs, Metals, Cyanide |
| KS-FB-011904 | 205694-08 | PCBs, Metals, Cyanide |
| KS-B-5(8-10) | 205694-09 | PCBs, Metals, Cyanide |
| KS-B-5(14-16) | 205694-10 | PCBs, Metals, Cyanide |
| KS-MW-5(16.5-18) | 205694-11 | PCBs, Metals, Cyanide |
| KS-MW-5(34-36) | 205694-12 | PCBs, Metals, Cyanide |
| KS-B-6A(10-12) | 205694-13 | PCBs, Metals, Cyanide |
| KS-B-6A(24-26) | 205694-14 | PCBs, Metals, Cyanide |
| KS-B-5A(12-14) | 205694-15 | PCBs, Metals, Cyanide |
| KS-MW-4(10-12) | 205694-16 | PCBs, Metals, Cyanide |
| KS-MW-4(32-33) | 205694-17 | PCBs, Metals, Cyanide |
| KS-MW-2(16-18) | 205694-18 | PCBs, Metals, Cyanide |
| KS-MW-2(12-14) | 205694-19 | PCBs, Metals, Cyanide |

| | | |
|---|---|---|
| Associated QC Samples: | Field/Trip Blanks: | KS-FB-011904 |
| | Field Duplicate pair: | KS-B-3(2-4)/KS-DUP-1 |

The above listed samples were collected on January 13, 14, 16, 19, 20, 21, 22, and 23, 2004 and were analyzed for polychlorinated biphenyls (PCBs) by SW-846 method 8082, metals by SW-846 methods 6010B/7471, and cyanide by SW-846 method 9012. The data validation was based on the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8080A/8000A, SOP No. HW-23, Revision 0, April 1995 and the USEPA Region II Standard Operating Procedure (SOP) for the Evaluation of Metals Data for the Contract Laboratory Program, SOP No. HW-2, Revision 11, January 1992.

The organic data were evaluated based on the following parameters:

* · Data Completeness

* · Holding Times and Sample Preservation
* · Initial and Continuing Calibrations
* · Blanks
· Surrogate Recoveries
* · Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
* · Laboratory Control Sample (LCS) Results
* · Field Duplicate Results
* · Moisture Content
· Quantitation Limits and Data Assessment
· Sample Quantitation and Compound Identification

* - All criteria were met.

All results were found to be usable.

The organic validation recommendations were based on the following information.

## Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the PCB analyses.

## Holding Times and Sample Preservation

All criteria were met in the PCB analyses.

## Initial and Continuing Calibrations

All criteria were met in the PCB analyses.

## Blanks

Contamination was not detected in the PCB method and instrument blanks. Contamination was not detected in the field blank sample.

## Surrogate Recoveries

The following table lists the surrogate recoveries which were outside of control limits and the resulting validation actions.

| Sample | Surrogate/ Column | Recovery (%) | Control Limits | Actions |
|---|---|---|---|---|
| KS-MW-2(16-18) | TCMX/2 | 160 | 25-159 | No validation action required; within limits on alternate column. |

| Sample | Surrogate/ Column | Recovery (%) | Control Limits | Actions |
|---|---|---|---|---|
| **DCB = Decachlorobiphenyl**<br>**TCMX = Tetrachloro-m-xylene** | | | | |

## MS/MSD Results

An MS/MSD was not associated with this sample group. Validation action was not taken on this basis.

## LCS Results

All criteria were met for the PCB analyses.

## Field Duplicate Results

The field duplicate pair of KS-B-3(2-4)and KS-DUP-1 was identified. All criteria were met.

## Moisture Content

All criteria were met.

## Quantitation Limits and Data Assessment

Sample calculations were spot-checked; there were no errors noted.

Results were reported which were below the lowest calibration standard level (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified by the laboratory (J). These results were qualified as estimated (J5) due to uncertainty at the low end of calibration. Dilutions and reanalyses were not required.

## Sample Quantitation and Compound Identification

The following table lists the analytes which exhibited %Ds between the results from the two analytical columns which exceeded the acceptance criteria.

| Sample | Analyte | %D | Action |
|---|---|---|---|
| KS-B-3(2-4) | Aroclor 1248 | 115 | Result for Aroclor 1248 was <CRQL. Report the result for Aroclor 1254 as nondetect (U25). |
| KS-B-5(3-5) | Aroclor 1254 | 78 | Qualify (NJ25) the positive result for Aroclor 1254 in sample KS-B-5(3-5) as presumptively present. |
| | | | |

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| Sample | Analyte | %D | Action |
|---|---|---|---|
| KS-B-DUP-1 | Aroclor 1248 | 42 | Estimate (J25) the positive result. |
| KS-B-5(8-10) | Aroclor 1248<br>Aroclor 1254<br><br>Aroclor 1260 | 30<br>384<br><br>47 | Estimate (J25) the positive result.<br>Result for Aroclor 1254 was <CRQL. Report the result for Aroclor 1254 as nondetect (U25).<br>Estimate (J25) the positive result. |
| KS-B-5(14-16) | Aroclor 1254 | 118 | Result for Aroclor 1254 was <CRQL. Report the result for Aroclor 1254 as nondetect (U25). |
| KS-B-5A(12-14) | Aroclor 1254 | 486 | Result for Aroclor 1254 was <CRQL. Report the result for Aroclor 1254 as nondetect (U25). |
| KS-MW-2(16-18) | Aroclor 1254<br><br>Aroclor 1260 | 876<br><br>43 | Result for Aroclor 1254 was <CRQL. Report the result for Aroclor 1254 as nondetect (U25).<br>Estimate (J25) the positive result. |

Based on Region II validation guidelines, the evaluation of dual column differences is performed as follows:

| | |
|---|---|
| % Difference 25 - 70% | Estimate (J25) positive result. |
| % Difference 70 - 100% | Estimate (NJ25) the positive result as presumptively present. |
| % Difference >100% | Reject (R25) the positive result if no interference is present. |
| % Difference 100-200% (Interference) | Estimate (NJ25) the positive result as presumptively present. |
| % Difference >50% (value <CRQL) | Raise the value to the CRQL and qualify as nondetect (U25). |

Sample calculations were spot-checked. For sample KS-B-DUP-1 (column CLP-pest), a peak at retention time (RT) 3.94 was used in the Aroclor 1254 quantitation. This peak was outside of the retention time window of 4.11 - 4.21 minutes. The raw data was reviewed, and the correct peak at RT 4.14 was used by the validator to recalculate the Aroclor 1254 concentration. With the revised CLP-pest column result, the dual column %D went from 85% to 0%. No changes were necessary as the CLP-pesticide II column result was reported for the sample.

For sample KS-B-5(8-10)(column CLP-pest), a peak at retention time (RT) 4.68 was used in the Aroclor 1254 quantitation. This peak was outside of the retention time window of 4.74 - 4.84 minutes. The raw data was reviewed, and the correct peak at RT 4.75 was used by the validator to recalculate the Aroclor 1254 concentration. With the revised CLP-pest column result, the dual column %D went from 449% to 384%. No changes were necessary as the result for Aroclor 1254 was raised to nondetect at the CRQL due to high dual column precision results.

The inorganic data were evaluated based on the following parameters:

* Data Completeness
* Holding Times and Sample Preservation
  Instrument Calibration
  Contract Required Detection Limit (CRDL) Standard Analysis
  Blank Analysis Results
  Inductively Coupled Plasma (ICP) Interference Check Sample Results
  Matrix Spike (MS) Results
* Laboratory Duplicate Results
* Field Duplicate Results
* Laboratory Control Sample (LCS) Results
* ICP Serial Dilution Results
* Moisture Content
* Sample Quantitation and Data Assessment

* All criteria were met for this parameter.

All results were found to be usable with the exception of cyanide in sample KS-B-7(16.5-18) which was rejected due to extremely low matrix spike recovery.

The validation recommendations were based on the following information.

## Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the metals and cyanide analyses.

## Holding Times and Sample Preservation

All criteria were met in the metals and cyanide analyses.

## Instrument Calibration

The following table lists the recoveries which were outside the control limits in the metals calibration standards.

| Analyte | Recovery | Analysis Date/ Calibration Standard | Associated Samples | Validation Actions |
|---|---|---|---|---|
| Cobalt | 114% | 1/27/04 CCV2 | MW-5(31-36), B-6A(10-12), B-6A(24-26), B-5A(12-14) | Estimate (J4) the positive results for cobalt in the associated |

| Analyte | Recovery | Analysis Date/ Calibration Standard | Associated Samples | Validation Actions |
|---|---|---|---|---|
| | | | | samples.; possible high bias. |
| Antimony | 111% | 1/23/04 CCV8 | KS-B-7(48-49), KS-B-8(30-32),KS-B-7(16.5-18), KS-B-8(12-14), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1, KS-B-5(8-10), KS-B-5(14-16), KS-MW-5(16.5-18) | Validation action was not required; project samples were not bracketed by this calibration standard. |
| Potassium | 89% | 1/27/04 CCV2 | MW-5(31-36), B-6A(10-12), B-6A(24-26), B-5A(12-14) | Estimate (J4) the positive results for potassium in the associated samples.; possible low bias. |

## CRDL Standard Analysis

A low level standard was analyzed for the ICP analyses. The following table lists the analytes which exhibited recoveries outside of the validation control limits of 80 - 120%. Based on Region II validation guidelines, the affected analyte level range is determined by the true value of the standard ± 2x the standard level.

| Analyte | Recovery | Associated Samples | Validation Actions |
|---|---|---|---|
| Potassium | 79%, 77% | KS-B-7(48-49), KS-B-8(30-32),KS-B-7(16.5-18), KS-B-8(12-14), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1, KS-B-5(8-10), KS-B-5(14-16), KS-MW-5(16.5-18) | Estimate (J14) the positive results for potassium in samples KS-B-8(30-32),KS-B-7(16.5-18), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1, KS-B-5(8-10), KS-B-5(14-16), KS-MW-5(16.5-18); results may be biased low. |
| Potassium | 74%, 74% | KS-FB-011904 | Estimate (UJ14) the nondetect result for potassium in sample KS-FB-011904; result may be biased low. |
| Aluminum | 131% | KS-FB-011904 | Estimate (J14) the positive result for aluminum in sample KS-FB-011904; result may be biased high. |
| Potassium | 76%, 76% | KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-B-5A(12-14), KS-MW-4(10-12), KS-MW-4(32-33), KS-MW-2(16-18), KS-MW-2(12-14) | Estimate (J14) the positive results for potassium in all associated soil samples; results may be biased low. |

## Blank Analysis Results

All total metals instrument and method blank results were found to be less than the CRDL.

Sample results were reported down to the method detection limit. As low level contamination was detected in method and instrument blanks, technical judgement was used to evaluate the possible laboratory contamination as follows:

For positive contamination,
If the positive sample value was > the IDL and < the Action Level, qualify the result as a nondetect (U6) at the reported concentration.
If the positive sample value was > the IDL and > the Action Level, report the value unqualified.

For negative contamination,
If the positive sample value was > the instrument detection limit (IDL) and < the Action Level, qualify the result as estimated (J22) at the reported concentration. The result may be biased low.
If the result was nondetect, qualify the result as estimated (UJ22) at the detection limit. The result may be biased low.
If the positive sample value was > the Action Level, report the value unqualified.

The following table summarizes the blank contaminants detected in the laboratory blanks and associated action levels.

| Analyte | Maximum Concentration | Action Level (mg/kg) | Validation Actions |
|---|---|---|---|
| Aluminum | (101ug/L), 25.2 mg/kg | 126 mg/kg | No actions required. |
| Magnesium | (26.5 ug/L), 6.6 mg/kg | 33 mg/kg | No actions required. |
| Potassium | (124 ug/L), 31 mg/kg | 156 mg/kg | No actions required. |
| Cyanide 1/21/04* | (1.7 ug/L), 85 ug/kg<br>(-2.3 ug/L), 115 ug/kg | 425 ug/kg<br>(-) 575 ug/kg | Qualify the positive results for cyanide as nondetect (U6) in samples KS-B-8(12-14) and KS-B-5(3-5).<br>Estimate (UJ22) results for cyanide in all associated samples; possible low bias. |
| Cyanide 1/30/04* | (-4.8 ug/L), -240 ug/kg | (-) 1200 ug/kg | Estimate (J/UJ22) results for cyanide in samples KS-B-5(8-10), KS-MW-5(16.5-18), KS-FB-011904, KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-B-5A(12-14), KS-MW-4(10-12), KS-MW-4(32-33), KS-MW-2(12-14); possible low bias. |

* Associated samples: KS-B-7(48-49), KS-B-8(30-32),KS-B-7(16.5-18), KS-B-8(12-14), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1
** Associated samples: KS-B-5(8-10), KS-B-5(14-16), KS-MW-5(16.5-18), KS-FB-011904, KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-B-5A(12-14), KS-MW-4(10-12), KS-MW-4(32-33), KS-MW-2(16-18), KS-MW-2(12-14)

The following table summarizes the blank contaminants detected in the field blank, KS-FB011904, associated with all soil samples, and the associated action levels. All analytes were detected below the soil CRDL, therefore sample results less than the action level were qualified as nondetects (U6),

rather than rejected.

| Analyte | Maximum Concentration | Blank Action Level (mg/kg) | Validation Actions |
|---|---|---|---|
| Aluminum | (61.3 ug/L) 15.3 mg/kg | 77.5 | No actions required. |
| Calcium | (97.8 ug/L) 24.5 mg/kg | 122 | No actions required. |
| Copper | (3.8 ug/L) 0.95 mg/kg | 4.8 | No actions required. |
| Iron | (82.8 ug/L) 20.7 mg/kg | 103.5 | No actions required. |
| Magnesium | (26.2 ug/L) 6.5 mg/kg | 32.5 | No actions required. |
| Manganese | (15.4 ug/L) 3.8 mg/kg | 19.3 | No actions required. |
| Sodium | (136 ug/L) 34 ug/kg | 170 | Qualify the results for sodium as nondetect (U6) in samples KS-B-7)16.5-18), KS-B-5(3-5), and KS-MW-5(16.5-18). |

## ICP ICS Results

The following table lists the analytes recovered outside of control limits in the ICSAB analysis.

| Analyte | Recovery (%) | Associated Samples | Validation Actions |
|---|---|---|---|
| Selenium<br>Thallium | 76, 77<br>74, 64 | KS-FB011904 | No actions required; sample interferent levels were less than 50% those of the ICSAB. |
| Selenium | 78 | KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-B-5A(12-14), KS-MW-4(10-12), KS-MW-4(32-33), KS-MW-2(16-18), KS-MW-2(12-14) | Estimate (UJ16) the nondetect results for selenium in samples KS-MW-5(34-36), KS-B-6A(24-26), KS-B-5A(12-14), KS-MW-4(32-33), and KS-MW-2(16-18); results may be biased low. Validation action was not required for the remaining samples as interferent levels were less than 50% those of the ICSAB. |

Positive results were observed for cadmium and antimony in the ICSA solution analyses associated with all soil samples. Positive results were observed for cadmium in the ICSA solution analysis associated with sample KS-FB011904. The levels of interferents in samples were reviewed. Iron or calcium were present in samples KS-B-7(48-49) (121%), KS-B-3(2-4) (52%), KS-MW-5(34-36) (81%), KS-B-6A(24-26) (55%), KS-B-5A(12-14) (69%), KS-MW-4(32-33) (61%), and KS-MW-2(16-18) (82%) at greater than 50% that of the level in the ICSA solution. Professional judgement was used to accept results in which the estimated interference was less than 10% of the analyte level or in which the negative interference was less than one half the sample quantitation limit (QL). Interferences were calculated at the instrument (aqueous) level.

| Sample | Analyte | Sample Result (ug/L) | Estimated Interference (ug/L) | Actions |
|---|---|---|---|---|
| KS-B-7(48-49) | Cadmium | 5 U | 2.3 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Antimony | 6.6 | 16 | Estimate (J21) the positive result; possible high bias. |
| KS-B-3(2-4) | Cadmium | 5 U | 1.0 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Antimony | 6 U | 6.9 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| KS-MW-5(34-36) | Cadmium | 5 U | 2.7 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Antimony | 6 U | 10.6 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| KS-B-6A(24-26) | Cadmium | 5 U | 1.8 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Antimony | 6 U | 7.2 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| KS-B-5A(12-14) | Cadmium | 5 U | 2.3 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Antimony | 6 U | 9.0 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| KS-MW-4(32-33) | Cadmium | 5 U | 2.0 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Antimony | 6 U | 8.0 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| KS-MW-2(16-18) | Cadmium | 5.1 | 2.7 | Estimate (J21) the positive result; possible high bias. |
| | Antimony | 6 U | 10.7 | No validation action required; result was nondetect and therefore not affected by potential high bias. |

## MS Results

A matrix spike analysis was performed on sample KS-MW-5(34-36) for the ICP metals analyses and on samples KS-B-7(16.5-18) and KS-MW-5(16.5-18) for the cyanide analyses. The following table lists the analyte recoveries found outside of the control limits of 75-125% .

| Analyte | MS Sample | Recovery (%) | Validation Actions |
|---|---|---|---|
| Cyanide | KS-B-7(16.5-18) | 0 | Reject (R8) the nondetect result for cyanide in sample KS-B-7(16.5-18). As a second matrix spike was performed on sample KS-MW-5(16.5-18) and recovery was acceptable, |

| Analyte | MS Sample | Recovery (%) | Validation Actions |
|---|---|---|---|
| | | | technical judgement was used to estimate (J/UJ8) (rather than reject) the positive and nondetect results for cyanide in all other samples, with the exception of KS-MW-5(16.5-18), which exhibited an acceptable recovery for cyanide. Results may be biased low. |
| Antimony | KS-MW-5(34-36) | 15 | Estimate (UJ8) the nondetect results for antimony in all soil samples; possible low bias. |
| Manganese | KS-MW-5(34-36) | 144 | Estimate (J8) the positive results for manganese in all soil samples; possible high bias. |
| Thallium | KS-MW-5(34-36) | 147 | Validation actions were not required; results for thallium were nondetect and therefore not affected by the potential high bias. |

The laboratory performed and reported additional matrix spike analyses on various non-project samples. Qualification of the data was not performed based on these results due to differences in sample type, matrix, etc.

The laboratory performed a matrix spike on project sample KS-MW-4(0.5-1) for the mercury analyses (reported in 205651). These MS results were used for the evaluation of accuracy for mercury in this sample group. All criteria were met.

**Laboratory Duplicate Results**

A laboratory duplicate analysis was performed on sample KS-MW-5(34-36) for the ICP metals analyses and on samples KS-B-7(16.5-18) and KS-MW-5(16.5-18) for the cyanide analyses.

The laboratory performed and reported additional duplicate analyses on various non-project samples. Qualification of the data was not performed based on these results due to differences in sample type, matrix, etc.

The laboratory performed a laboratory duplicate analysis on project sample KS-MW-4(0.5-1) for the mercury analysis (reported in 205651). These duplicate results were used for the evaluation of precision for mercury in this sample group. All criteria were met

**Field Duplicate Results**

The soil field duplicate pair of KS-B-3(2-4) and KS-DUP-1 was submitted with this sample group. Analyte %RPDs were within the inorganic control limit of 100% or +/-2x quantitation limit (QL) for soil levels <5xQL.

**Laboratory Control Sample (LCS) Results**

All criteria were met in the metals and cyanide analyses.

## ICP Serial Dilution Results

The laboratory performed an ICP serial dilution analysis on sample KS-MW-5(16.5-18). All criteria were met.

## Moisture Content

All criteria were met.

## Sample Quantitation and Data Assessment

Sample calculations were spot-checked; no discrepancies were noted.

**Site:** Kingsbridge Station
**Laboratory:** Severn Trent Labs, Inc., Shelton, CT
**Job No.:** 205740
**Reviewer:** Lisa McDonagh/GEI Consultants
**Date:** March 16, 2004

**Samples Reviewed and Evaluation Summary**

| FIELD ID | LAB ID | FRACTIONS VALIDATED |
|---|---|---|
| KS-B-4(15-17) | 205740-01 | VOC, SVOC |
| KS-B-4(9-11) | 205740-02 | VOC, SVOC |
| KS-B-4(22-24) | 205740-03 | VOC, SVOC |
| KS-FB-013004 | 205740-04 | VOC, SVOC |
| KS-B-3(6-7) | 205740-05 | VOC, SVOC |
| KS-B-3(9-10) | 205740-06 | VOC, SVOC |
| KS-B-9(5-7) | 205740-07 | VOC, SVOC |
| KS-B-9(14-15) | 205740-08 | VOC, SVOC |
| KS-B-DUP-2 | 205740-09 | VOC, SVOC |

| | | |
|---|---|---|
| Associated QC Samples: | Field/Trip Blanks: | KS-FB-013004 |
| | Field Duplicate pair: | KS-B-9(14-16)/KS-B-DUP-2 |

The above listed soil and aqueous samples were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B, semivolatile organic compounds (SVOCs) by SW-846 method 8270C. The data validation was based on the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8260B, SOP No. HW-24, Revision 1, June 1999, USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8270C, SOP No. HW-22, Revision 2, June 2001.

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The organic data were evaluated based on the following parameters:

| | | |
|---|---|---|
| * | · | Data Completeness |
| * | · | Holding Times and Sample Preservation |
| * | · | Gas Chromatography/Mass Spectrometry (GC/MS) Tunes |
| | · | Initial and Continuing Calibrations |
| | · | Blanks |
| | · | Surrogate Recoveries |
| NA | · | Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results |
| | · | Laboratory Control Sample (LCS) Results |
| * | · | Internal Standards |
| * | · | Field Duplicate Results |
| | · | Quantitation Limits and Data Assessment |

| | | |
|---|---|---|
| * | - | All criteria were met. |
| NA | - | Not applicable |

All results were found to be usable with the exception of benzoic acid in samples KS-FB-013004, KS-B-4(15-17) and KS-B-4(9-11) and 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol in samples KS-B-4(15-17) and KS-B-4(9-11) due to poor laboratory control spike recoveries.

The organic validation recommendations were based on the following information.

**Data Completeness**

The data package was found to be complete.

**Holding Times and Sample Preservation**

All criteria were met in the VOC and SVOC analyses.

**GC/MS Tunes**

All criteria were met in the VOC and SVOC analyses.

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## Initial and Continuing Calibrations

Compounds that did not meet criteria in the VOC and SVOC initial and continuing calibrations are summarized in the following tables.

| **Instrument ID**<br>**MSL**<br>**Compound** | **IC**<br>**1/26/04** | **CC**<br>**2/3/04** |
|---|---|---|
| bromomethane | X (16.9%) | |
| chloroethane | X (18.6%) | |
| dibromochloromethane | X (16.1%) | |
| bromoform | X (26.3%) | |
| Samples Affected | All listed | KS-FB-013004 |

| **Instrument ID**<br>**MSN**<br>**Compound** | **IC**<br>**11/24/03** | **CC**<br>**1/29/04** |
|---|---|---|
| chloromethane | | |
| bromomethane | X (20.9%) | XX (73.9%) |
| chloroethane | X (31.6%) | |
| carbon disulfide | | |
| acetone | X (17.9%) | |
| 1,1,1-trichloroethane | | XX (36.3%) |
| carbon tetrachloride | | XX (32.9%) |
| 1,2-dichloroethane | | XX (24.1%) |
| trichloroethene | | XX (26.0%) |
| 4-methyl-2-pentanone | | XX (29.0%) |
| 2-hexanone | | XX (26.9%) |
| 1,1,2,2-tetrachloroethane | | XX (27.0%) |
| bromoform | X (15.3%) | |
| Samples Affected | All listed | KS-B-4(15-17),<br>KS-B-4(9-11) |

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| **Instrument ID**<br>**MSN**<br>**Compound** | **IC**<br>**2/2/04** | **CC**<br>**2/4/04** |
|---|---|---|
| chloromethane | X (41.3%) | XX (22.6%) |
| bromomethane | X (32.6%) | XX (44.6%) |
| chloroethane | X (15.8%) | |
| carbon disulfide | | |
| acetone | X (32.3%) | XX (25.3%) |
| Samples Affected | All listed | KS-B-4(22-24),<br>KS-B-3(6-7),<br>KS-B-3(9-10),<br>KS-B-9(5-7),<br>KS-B-9(14-15),<br>KS-B-DUP-2 |

X = Initial calibration (IC) relative standard deviation (%RSD) > 15; estimate (J3) positive and (UJ3) nondetect results.

XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ4) positive and nondetect results.

+ = Response factor (RRF) < 0.05; Estimate (J2) positive results and reject (R2) nondetect results.

The following results were qualified as estimated (J/UJ3) due to initial calibration nonconformances: bromomethane, chloroethane, dibromochloromethane and bromoform in sample KS-FB-013004, bromomethane, chloroethane acetone and bromoform in samples KS-B-4(15-17) and KS-B-4(9-11), chloromethane, bromomethane , chloroethane and acetone in samples KS-B-4(22-24), KS-B-3(6-7), KS-B-3(9-10), KS-B-9(5-7), KS-B-9(14-15) and KS-B-DUP-2 due to initial calibration nonconformances. The following results were qualified as estimated (J/UJ4) due to continuing calibration nonconformances: bromomethane, 1,1,1-trichloroethane, carbon tetrachloride, 1,2-dichloroethane, trichloroethene, 4-methyl-2-pentanone, 2-hexanone and 1,1,2,2-tetrachloroethane in samples KS-B-4(15-17) and KS-B-4(9-11), chloromethane, bromomethane and acetone in samples KS-B-4(22-24), KS-B-3(6-7), KS-B-3(9-10), KS-B-9(5-7), KS-B-9(14-15) and KS-B-DUP-2, due to continuing calibration nonconformances.

## Blanks

The following table summarizes the method blank contamination in the VOC and SVOC analyses.

| Compound | Type of Blank | Associated Samples | Maximum Concentration | Blank Action Level |
|---|---|---|---|---|
| toluene | Soil Method Blank | KS-B-4(22-24), KS-B-3(6-7), KS-B-3(9-10), KS-B-9(5-7), KS-B-9(14-15), KS-B-DUP-2 | 0.60 ug/Kg | 3.0 ug/Kg |
| di-n-butylphthalate | Soil Method Blank | KS-B-4(15-17), KS-B-4(9-11) | 53.5 ug/Kg | 535 ug/Kg |
| bis(2-ethylhexyl)phthalate | Soil Method Blank | KS-B-4(15-17), KS-B-4(9-11) | 293 ug/Kg | 2930 ug/Kg |
| di-n-butylphthalate | Soil Method Blank | KS-B-4(22-24), KS-B-3(6-7), KS-B-3(9-10), KS-B-9(5-7), KS-B-9(14-15), KS-B-DUP-2 | 76.7 ug/Kg | 767 ug/Kg |

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Blank Actions

If the sample concentration ≤ QL and ≤ blank action level, qualify the result as not detected (U6) at the QL.
If the sample concentration > QL and ≤ blank action level, qualify the result as not detected (U6) at the reported value.
If the sample concentration > blank action level, report the value unqualified.

Based on the action levels determined, di-n-butylphthalate in samples KS-B-3(6-7), KS-B-3(9-10),KS-B-9(5-7)and KS-B-DUP-2 were qualified as nondetect (U6) due to method blank contamination.

**Surrogate Recoveries**

All criteria were met in the VOC analyses.

The semivolatile surrogates were outside of the control limits in the following samples KS-B-4(15-17) and KS-B-4(9-11) due to sample dilutions. Qualifications were not required.

**MS/MSD Results**

An MS/MSD was not submitted with these samples.

**LCS Results**

The following table lists the VOC and SVOC compound recoveries found outside of the laboratory control limits of 60-140% and the resultant actions.

| Compound | Recovery (%) | Associated samples | Actions |
|---|---|---|---|
| bromomethane | 37 | KS-B-4(15-17), KS-B-4(9-11) | Estimate (UJ9) the nondetect results for bromomethane in the associated samples, results may be biased low. |
| acetone | 148 | KS-B-4(15-17), KS-B-4(9-11) | Estimate (J9) the positive results for acetone in the associated samples, results may be biased high. |
| bromomethane | 153 | KS-B-4(22-24), KS-B-3(6-7), KS-B-3(9-10), KS-B-9(5-7), KS-B-9(14-15), KS-B-DUP-2 | Estimate (J9) the positive results for bromomethane in the associated samples, results may be biased high. |
| chloromethane<br>vinyl chloride<br>carbon disulfide | 39<br>48<br>59 | KS-FB-013004 | Estimate (UJ9) the nondetect results for the affected compounds in the associated samples, results may be biased low. |
| benzoic acid | 0 | KS-FB-013004 | Reject (R9) the nondetect result for benzoic acid in the associated |

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| Compound | Recovery (%) | Associated samples | Actions |
|---|---|---|---|
| | | | samples. |
| phenol<br>4-nitrophenol | 39<br>45 | KS-FB-013004 | Estimate (UJ9) the nondetect results for the affected compounds in the associated samples, results may be biased low. |
| benzoic acid<br>2,4-dinitrophenol<br>4,6-dinitro-2-methylphenol | 0<br>3<br>9 | KS-B-4(15-17),<br>KS-B-4(9-11) | Reject (R9) the nondetect results for the affected compounds in the associated samples. |
| 4-chloroaniline<br>hexachlorocyclopentadiene<br>pentachlorophenol | 52<br>31<br>37 | KS-B-4(15-17),<br>KS-B-4(9-11) | Estimate (UJ9) the nondetect results for the affected compounds in the associated samples, results may be biased low. |
| benzoic acid<br>4-chloroaniline<br>hexachlorocyclopentadiene<br>3,3-dichlorobenzidine | 35<br>47<br>48<br>58 | KS-B-4(22-24),<br>KS-B-3(6-7),<br>KS-B-3(9-10),<br>KS-B-9(5-7),<br>KS-B-9(14-15),<br>KS-B-DUP-2 | Estimate (UJ9) the nondetect results for the affected compounds in the associated samples, results may be biased low. |

## Internal Standards

All criteria were met in the VOC and SVOC analyses.

## Field Duplicate Results

All criteria were met in the VOC and SVOC analyses.

## Quantitation Limits and Data Assessment

Sample calculations were spot-checked; there were no errors noted.
Results were reported which were below the lowest calibration standard level (RL) and above the method detection limit (MDL) in the VOC and SVOC analyses. These results were qualified by the laboratory (J). These results were qualified as estimated (J5) due to uncertainty at the low end of calibration.

The following table lists the sample dilutions and/or reanalyses which were performed and reported. Quantitation limits were elevated accordingly.

| Sample | VOC Analysis Reported | SVOC Analysis Reported |
|---|---|---|

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| Sample | VOC Analysis Reported | SVOC Analysis Reported |
|---|---|---|
| KS-B-4(15-17) | Low level analysis reported for all analytes. Laboratory performed and reported 2-fold dilution for all analytes | Laboratory performed 10-fold analysis. Final extract volume 0.5 ml. Report 10-fold dilution for all analytes. |
| KS-B-4(9-11) | NR | Laboratory performed 10-fold analysis. Final extract volume 0.5 ml. Report 10-fold dilution for all analytes. |

# Data Usability Summary Report

**Site:** Kingsbridge Station, Bronx, New York
**Laboratory:** Severn Trent Laboratories, Shelton, CT
**Report No.:** 205740
**Reviewer:** Lorie MacKinnon/GEI Consultants
**Date:** March 14, 2004

## Samples Reviewed and Evaluation Summary

| FIELD ID | LAB ID | FRACTIONS VALIDATED |
|---|---|---|
| KS-B-4(15-17) | 205740-01 | PCBs, Metals, Cyanide |
| KS-B-4(9-11) | 205740-02 | PCBs, Metals, Cyanide |
| KS-B-4(22-24) | 205740-03 | PCBs, Metals, Cyanide |
| KS-FB-013004 | 205740-04 | PCBs, Metals, Cyanide |
| KS-B-3(6-7) | 205740-05 | PCBs, Metals, Cyanide |
| KS-B-3(9-10) | 205740-06 | PCBs, Metals, Cyanide |
| KS-B-9(5-7) | 205740-07 | PCBs, Metals, Cyanide |
| KS-B-9(14-16) | 205740-08 | PCBs, Metals, Cyanide |
| KS-B-DUP2 | 205740-09 | PCBs, Metals, Cyanide |

| | | |
|---|---|---|
| Associated QC Samples: | Field/Trip Blanks: | KS-FB-013004 |
| | Field Duplicate pair: | KS-B-9(14-16)/KS-B-DUP-2 |

The above listed samples were collected on January 27, 29, and 30, 2004 and were analyzed for polychlorinated biphenyls (PCBs) by SW-846 method 8082, metals by SW-846 methods 6010B/7471, and cyanide by SW-846 method 9012. The data validation was based on the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8080A/8000A, SOP No. HW-23, Revision 0, April 1995 and the USEPA Region II Standard Operating Procedure (SOP) for the Evaluation of Metals Data for the Contract Laboratory Program, SOP No. HW-2, Revision 11, January 1992.

The organic data were evaluated based on the following parameters:

- * Data Completeness
- Holding Times and Sample Preservation
- * Initial and Continuing Calibrations
- * Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- * Laboratory Control Sample (LCS) Results
- * Field Duplicate Results
- * Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

* - All criteria were met.

All results were found to be usable.

The organic validation recommendations were based on the following information.

## Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the PCB analyses.

## Holding Times and Sample Preservation

The extraction for sample KS-FB-013004 took place four days outside of the required holding time. All results were nondetect. The nondetect PCB results for sample KS-FB-013004 were estimated (UJ1) and may be biased low.

## Initial and Continuing Calibrations

All criteria were met in the PCB analyses.

## Blanks

Contamination was not detected in the PCB method and instrument blanks. Contamination was not detected in the field blank sample.

## Surrogate Recoveries

The following table lists the surrogate recoveries which were outside of control limits and the resulting validation actions.

| Sample | Surrogate/ Column | Recovery (%) | Control Limits | Actions |
|---|---|---|---|---|
| KS-B-4(15-17) | DCB/1<br>TCMX/2 | 217<br>230 | 25-159<br>24-154 | No validation action required; within limits on alternate column. |
| KS-B-4(9-11) | DCB/1<br>TCMX/2 | 189<br>170 | 25-159<br>24-154 | No validation action required; within limits on alternate column. |
| **DCB = Decachlorobiphenyl**<br>**TCMX = Tetrachloro-m-xylene** | | | | |

## MS/MSD Results

An MS/MSD analysis was not associated with this sample group. Validation action was not taken on this basis.

## LCS Results

All criteria were met for the PCB analyses.

**Field Duplicate Results**

The field duplicate pair of KS-B-9(14-16) and KS-B-DUP-2 was identified. All PCB results were nondetect in the field duplicate pair.

**Moisture Content**

All criteria were met.

**Quantitation Limits and Data Assessment**

Sample calculations were spot-checked; there were no errors noted. Sample dilutions and reanalyses were not required.

Results were reported which were below the lowest calibration standard level (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified by the laboratory (J). These results were qualified as estimated (J5) due to uncertainty at the low end of calibration.

**Sample Quantitation and Compound Identification**

The following table lists the analytes which exhibited %Ds between the results from the two analytical columns which exceeded the acceptance criteria.

| Sample | Analyte | %D | Action |
|---|---|---|---|
| KS-B-4(9-11) | Aroclor 1260 | 159 | Result for Aroclor 1260 was <CRQL. Report the result for Aroclor 1260 as nondetect (U25). |

Based on Region II validation guidelines, the evaluation of dual column differences is performed as follows:

| | |
|---|---|
| % Difference 25 - 70% | Estimate (J25) positive result. |
| % Difference 70 - 100% | Estimate (NJ25) the positive result as presumptively present. |
| % Difference >100% | Reject (R25) the positive result if no interference is present. |
| % Difference 100-200% (Interference) | Estimate (NJ25) the positive result as presumptively present. |
| % Difference >50% (value <CRQL) | Raise the value to the CRQL and qualify as nondetect (U25). |

The inorganic data were evaluated based on the following parameters:

* Data Completeness
* Holding Times and Sample Preservation
  Instrument Calibration
  Contract Required Detection Limit (CRDL) Standard Analysis
  Blank Analysis Results
  Inductively Coupled Plasma (ICP) Interference Check Sample Results
  Matrix Spike (MS) Results
* Laboratory Duplicate Results
* Field Duplicate Results
* Laboratory Control Sample (LCS) Results
* ICP Serial Dilution Results
* Moisture Content
* Sample Quantitation and Data Assessment

* All criteria were met for this parameter.

All results were found to be usable.

The validation recommendations were based on the following information.

## Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the metals and cyanide analyses.

## Holding Times and Sample Preservation

All criteria were met in the metals and cyanide analyses.

## Instrument Calibration

The following table lists the recoveries which were outside the control limits in the metals calibration standards.

| Analyte | Recovery | Analysis Date/ Calibration Standard | Associated Samples | Actions |
|---|---|---|---|---|
| Arsenic | 111% | 2/3/04 CCV2 | KS-B-4(15-17), KS-B-4(9-11) | Validation actions were not required; project samples were not bracketed by these calibration standards. |
| | | | | |

| Analyte | Recovery | Analysis Date/ Calibration Standard | Associated Samples | Actions |
|---|---|---|---|---|
| Antimony | 87%<br>86% | 2/3/04 CCV7<br>2/3/04 CCV8 | KS-B-4(15-17), KS-B-4(9-11) | Validation actions were not required; project samples were not bracketed by these calibration standards. |
| Cobalt | 111% | 2/3/04 CCV8 | KS-B-4(15-17), KS-B-4(9-11) | Validation actions were not required; project samples were not bracketed by these calibration standards. |
| Silver | 89% | 2/3/04 CCV8 | KS-B-4(15-17), KS-B-4(9-11) | Validation actions were not required; project samples were not bracketed by these calibration standards. |

## CRDL Standard Analysis

A low level standard was analyzed for the ICP analyses. The following table lists the analytes which exhibited recoveries outside of the validation control limits of 80 - 120%. Based on Region II validation guidelines, the affected analyte level range is determined by the true value of the standard ± 2x the standard level.

| Analyte | Recovery | Associated Samples | Validation Actions |
|---|---|---|---|
| Potassium | 76%, 78% | KS-B-4(15-17), KS-B-4(9-11) | Estimate (J14) the positive results for potassium in samples KS-B-4(15-17) and KS-B-4(9-11); results may be biased low. |
| Aluminum | 141% | KS-B-4(15-17), KS-B-4(9-11) | Validation actions were not required; results for aluminum were greater than the affected range. |
| Antimony | 79% | KS-B-4(15-17), KS-B-4(9-11) | Estimate (UJ14) the nondetect results for antimony in samples KS-B-4(15-17) and KS-B-4(9-11); results may be biased low. |
| Potassium | 75%, 75% | KS-FB-013004 | Estimate (UJ14) the nondetect result for potassium in sample KS-FB-013004; result may be biased low. |
| Aluminum | 144% | KS-FB-013004 | Validation action was not required; result for aluminum was nondetect and therefore not affected by the potential high bias. |
| Potassium | 75%, 76% | KS-B-3(22-24), KS-B-3(6-7), KS-B-3(9-10), KS-B-9(5-7), KS-B-9(14-16), KS-B-DUP2 | Estimate (J14) the positive results for potassium in the associated samples; results may be biased low. |

## Blank Analysis Results

All total metals instrument and method blank results were found to be less than the CRDL. Sample results were reported down to the method detection limit. As low level contamination was detected in method and instrument blanks, technical judgement was used to evaluate the possible laboratory contamination as follows:

For positive contamination,
If the positive sample value was > the IDL and < the Action Level, qualify the result as a nondetect (U6) at the reported concentration.
If the positive sample value was > the IDL and > the Action Level, report the value unqualified.

For negative contamination,
If the positive sample value was > the instrument detection limit (IDL) and < the Action Level, qualify the result as estimated (J22) at the reported concentration. The result may be biased low.
If the result was nondetect, qualify the result as estimated (UJ22) at the detection limit. The result may be biased low.
If the positive sample value was > the Action Level, report the value unqualified.

The following table summarizes the blank contaminants detected in the laboratory blanks and action levels associated with samples KS-B-4(15-17) and KS-B-4(9-11).

| Analyte | Maximum Concentration | Action Level (mg/kg) | Validation Actions |
|---|---|---|---|
| Aluminum | (130 ug/L), 32 mg/kg | 162 mg/kg | No actions required. |
| Manganese | 0.5 mg/kg | 2.5 mg/kg | No actions required. |
| Potassium | (149 ug/L), 37 mg/kg | 187 mg/kg | No actions required. |
| Cyanide | (-2.3 ug/L), 115 ug/kg | (-) 575 ug/kg | Estimate (J/UJ22) the positive and nondetect results for cyanide in all samples; possible low bias. |

The following table summarizes the blank contaminants detected in the laboratory blanks and action levels associated with samples KS-B-3(22-24), KS-B-3(6-7), KS-B-3(9-10), KS-B-9(5-7), KS-B-9(14-16), and KS-B-DUP2.

| Analyte | Maximum Concentration | Action Level (mg/kg) | Validation Actions |
|---|---|---|---|
| Antimony | (7.7 ug/L), 1.9 mg/kg | 9.6 mg/kg | No actions required. |
| Potassium | (469 ug/L), 117 mg/kg | 585 mg/kg | No actions required. |
| Cyanide | (-2.3 ug/L), 115 ug/kg | (-) 575 ug/kg | Estimate (J/UJ22) the positive and nondetect results for cyanide in all samples; possible low bias. |

The following table summarizes the blank contaminants detected in the field blank, KS-FB-013004, associated with all soil samples, and the associated action levels. All analytes were detected below

the soil CRDL, therefore sample results less than the action level were qualified as nondetects (U6), rather than rejected.

| Analyte | Maximum Concentration | Blank Action Level (mg/kg) | Validation Actions |
|---|---|---|---|
| Calcium | (118 ug/L) 29.5 mg/kg | 148 | No actions required. |
| Chromium | (10.5 ug/L) 2.6 mg/kg | 13 | No actions required. |
| Iron | (240 ug/L) 60 mg/kg | 300 | No actions required. |
| Manganese | (6.7 ug/L) 1.7 mg/kg | 8.4 | No actions required. |
| Nickel | (22.8 ug/L) 5.7 mg/kg | 29 | Qualify the results as nondetect (U6) for nickel in samples KS-B-4(15-17), KS-B-4(9-11), KS-B-4(22-24), KS-B-3(6-7), KS-B-3(9-10), KS-B-9(5-7), KS-B-9(14-16), and KS-B-DUP-2. |

## ICP ICS Results

The following table lists the analytes recovered outside of control limits in the ICSAB analysis.

| Analyte | Recovery (%) | Associated Samples | Validation Actions |
|---|---|---|---|
| Selenium | 73 | KS-B-4(15-17), KS-B-4(9-11) | Estimate (UJ16) the nondetect results for selenium in samples KS-B-4(15-17) and KS-B-4(9-11); results may be biased low. |
| Thallium | 123 | KS-B-4(15-17), KS-B-4(9-11) | Validation actions were not required; results for thallium were nondetect and therefore not affected by the potential high bias. |
| Thallium<br>Cobalt<br>Selenium | 71, 51<br>79<br>72 | KS-FB-013004 | No actions required; sample interferent levels were less than 50% those of the ICSAB. |

Both positive and negative results were observed for cadmium and positive results were observed for antimony in the ICSA solution analysis associated with samples KS-B-4(15-17) and KS-B-4(9-11). Positive results were observed for cadmium and chromium and negative results were observed for thallium in the ICSA solution analysis associated with sample FB-013004. Positive results were observed for antimony and negative results were observed for cadmium in the ICSA solution analysis associated with samples KS-B-3(22-24), KS-B-3(6-7), KS-B-3(9-10), KS-B-9(5-7), KS-B-9(14-16), and KS-B-DUP-2. The levels of interferents in samples were reviewed. Iron or calcium were present in samples KS-B-4(15-17) (63%), KS-B-4(9-11) (69%), KS-B-4(22-24) (77%), and KS-B-3(6-7) (52%) at greater than 50% that of the level in the ICSA solution. Professional judgement was used to accept results in which the estimated interference was less than 10% of the

analyte level or in which the negative interference was less than one half the sample quantitation limit (QL). Interferences were calculated at the instrument (aqueous) level.

| Sample | Analyte | Sample Result (ug/L) | Estimated Interference (ug/L) | Actions |
|---|---|---|---|---|
| KS-B-4(15-17) | Cadmium | 5 U | 1.4/-1.6 | No validation action required; result was nondetect and therefore not affected by potential high bias or interference <½ QL. |
| | Antimony | 6 U | 6.6 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| KS-B-4(9-11) | Cadmium | 5 U | 1.5/-1.7 | No validation action required; result was nondetect and therefore not affected by potential high bias or interference <½ QL. |
| | Antimony | 6 U | 7.2 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| KS-B-4(22-24) | Cadmium | 5 U | -2.2 | No validation action required; interference <½ QL. |
| | Antimony | 6 U | 10.5 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| KS-B-3(6-7) | Cadmium | 5 U | -1.5 | No validation action required; interference <½ QL. |
| | Antimony | 6 U | 7.1 | No validation action required; result was nondetect and therefore not affected by potential high bias. |

## MS Results

A matrix spike analysis was performed on sample KS-B-4(22-24) for the ICP analyses.

The laboratory performed and reported matrix spike analyses on various non-project samples for the mercury and cyanide analyses. Qualification of the data was not performed based on these results due to differences in sample type, matrix, etc.

The laboratory performed matrix spike analyses on project sample KS-MW-5(34-36) for the mercury analysis (reported in 205694), and samples KS-B-7(16.5-18) and KS-MW-5(16.5-18) for the cyanide analyses (reported in 205694). These MS results were used for the evaluation of accuracy for this data group. The following table lists the analyte recoveries found outside of the control limits of 75-125% .

| Analyte | MS Sample | Recovery (%) | Validation Actions |
|---|---|---|---|
| Antimony | KS-B-4(22-24) | 32 | Estimate (UJ8) the nondetect results for antimony in all soil samples; possible low bias. |
| Potassium | KS-B-4(22-24) | 57 | Estimate (J8) the positive results for potassium in all soil samples; possible low bias. |

| Analyte | MS Sample | Recovery (%) | Validation Actions |
|---|---|---|---|
| Sodium | KS-B-4(22-24) | 147 | Estimate (J8) the positive results for sodium in all soil samples; possible high bias. |

## Laboratory Duplicate Results

A laboratory duplicate analysis was performed on sample KS-B-4(22-24) for the ICP analyses. All criteria were met.

The laboratory performed and reported duplicate analyses on various non-project samples for the mercury and cyanide analyses. Qualification of the data was not performed based on these results due to differences in sample type, matrix, etc.

The laboratory performed duplicate analyses on project sample KS-MW-5(34-36) for the mercury analysis (reported in 205694), and samples KS-B-7(16.5-18) and KS-MW-5(16.5-18) for the cyanide analyses (reported in 205694). These laboratory duplicate results were used for the evaluation of precision for this data group. All criteria were met.

## Field Duplicate Results

The soil field duplicate pair of KS-B-9(14-16) and KS-B-DUP-2 was submitted with this sample group. Analyte %RPDs were within the inorganic control limit of 100% or +/-2x quantitation limit (QL) for soil levels <5xQL.

## Laboratory Control Sample (LCS) Results

All criteria were met in the metals and cyanide analyses.

## ICP Serial Dilution Results

The laboratory performed an ICP serial dilution analysis on sample KS-B-4(9-11). All criteria were met.

## Moisture Content

All criteria were met.

## Sample Quantitation and Data Assessment

Sample calculations were spot-checked; no discrepancies were noted.

**Site:** Kingsbridge Station
**Laboratory:** Severn Trent Labs, Inc., Shelton, CT
**Job No.:** 205792
**Reviewer:** Lisa McDonagh/GEI Consultants
**Date:** March 16, 2004

**Samples Reviewed and Evaluation Summary**

| FIELD ID | LAB ID | FRACTIONS VALIDATED |
|---|---|---|
| KS-B-2(3-4) | 205792-01 | VOC, SVOC |
| KS-B-1(3-4) | 205792-02 | VOC, SVOC |
| KS-MW1(3-4) | 205792-03 | VOC, SVOC |
| KS-MW3(7-9) | 205792-04 | VOC, SVOC |
| KS-MW3(15-17) | 205792-05 | VOC, SVOC |
| KS-B2(21-23) | 205792-06 | VOC, SVOC |
| KS-B2(38-40) | 205792-07 | VOC, SVOC |
| KS-B1(26-28) | 205792-08 | VOC, SVOC |
| KS-B1(30-32) | 205792-09 | VOC, SVOC |
| KS-FB020504 | 205792-10 | VOC, SVOC |
| KS-MW1(13-15) | 205792-11 | VOC, SVOC |
| KS-MW1(22-24) | 205792-12 | VOC, SVOC |
| KS-MW1(28-29) | 205792-13 | VOC, SVOC |
| KS-MW1(31-32) | 205792-14 | VOC, SVOC |
| KS-DUP3 | 205792-15 | VOC, SVOC |

| | | |
|---|---|---|
| Associated QC Samples: | Field/Trip Blanks: | KS-FB020504 |
| | Field Duplicate pair: | KS-MW1(22-24)/KS-DUP3 |

The above listed soil and aqueous samples were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B, semivolatile organic compounds (SVOCs) by SW-846 method 8270C. The data validation was based on the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8260B, SOP No. HW-24, Revision 1, June 1999, USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8270C, SOP No. HW-22, Revision 2, June 2001.

Kingsbridge Station 031510

The organic data were evaluated based on the following parameters:

| | | |
|---|---|---|
| * | · | Data Completeness |
| * | · | Holding Times and Sample Preservation |
| * | · | Gas Chromatography/Mass Spectrometry (GC/MS) Tunes |
| | · | Initial and Continuing Calibrations |
| | · | Blanks |
| | · | Surrogate Recoveries |
| | · | Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results |
| | · | Laboratory Control Sample (LCS) Results |
| * | · | Internal Standards |
| * | · | Field Duplicate Results |
| | · | Quantitation Limits and Data Assessment |

| | | |
|---|---|---|
| * | - | All criteria were met. |
| NA | - | Not applicable |

All results were found to be usable.

The organic validation recommendations were based on the following information.

**Data Completeness**

The data package was found to be complete.

**Holding Times and Sample Preservation**

All criteria were met in the VOC and SVOC analyses.

**GC/MS Tunes**

All criteria were met in the VOC and SVOC analyses.

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## Initial and Continuing Calibrations

Compounds that did not meet criteria in the VOC and SVOC initial and continuing calibrations are summarized in the following tables.

| **Instrument ID**<br>**MSM**<br>**Compound** | **IC**<br>**2/4/04** | **CC**<br>**2/10/04** | **CC**<br>**2/12/04** |
|---|---|---|---|
| chloromethane | X (19.6%) | XX (32.6%) | XX (31.6%) |
| bromomethane | X (26.7%) | | |
| chloroethane | X (34.0%) | XX (26.4%) | |
| acetone | X (26.4%) | XX (57.1%) | |
| vinyl acetate | | XX (34.7%) | XX (52.3%) |
| Samples Affected | All listed | KS-B2(21-23),<br>KS-B2(38-40),<br>KS-B1(26-28),<br>KS-B1(30-32),KS-MW1(13-15),<br>KS-MW1(22-24),<br>KS-MW1(28-29),<br>KS-MW1(31-32) | KS-B1(26-28)RA*,<br>KS-MW1(22-24)DL*,<br>KS-DUP3 |

| **Instrument ID**<br>**MSN**<br>**Compound** | **IC**<br>**2/2/04** | **CC**<br>**2/9/04** |
|---|---|---|
| chloromethane | X (41.3%) | XX (39.4%) |
| bromomethane | X (32.6%) | XX (30.1%) |
| chloroethane | X (15.8%) | |
| acetone | X (32.3%) | |
| Samples Affected | All listed | KS-B-2(3-4),<br>KS-B-1(3-4),<br>KS-MW1(3-4),<br>KS-MW3(7-9),<br>KS-MW3(15-17) |

| **Instrument ID**<br>**MSO**<br>**Compound** | **IC**<br>**2/13/04** | **CC**<br>**2/16/04** |
|---|---|---|

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| **Instrument ID**<br>**MSO**<br>**Compound** | **IC**<br>**2/13/04** | **CC**<br>**2/16/04** |
|---|---|---|
| bromomethane | | XX (23.6%) |
| 2-hexanone | X (20.6%) | |
| Samples Affected | All listed | KS-FB020504 |

| **Instrument ID**<br>**MSQ**<br>**Compound** | **IC**<br>**2/11/04** |
|---|---|
| 2-chlorophenol | X (15.7%) |
| 1,2-dichlorobenzene | X (17.3%) |
| 2,4-dimethylphenol | X (16.3%) |
| 1,2,4-trichlorobenzene | X (16.3%) |
| 2-methylnaphthalene | X (22.3%) |
| hexachlorocyclopentadiene | X (16.8%) |
| 2,4,6-trichlorophenol | X (15.5%) |
| 2,4,5-trichlorophenol | X (17.3%) |
| 2,4-dinitrophenol | X (23.6%) |
| fluorene | X (17.2%) |
| 4-chlorophenylphenylether | X (18.2%) |
| 4,6-dinitro-2-methylphenol | X (18.0%) |
| 4-bromophenylphenylether | X (17.7%) |
| hexachlorobenzene | X (18.4%) |
| phenanthrene | X (15.1%) |
| fluoranthene | X (15.7%) |
| benzo(a)anthracene | X (22.6%) |
| 3,3-dichlorobenzidine | X (18.9%) |
| chrysene | X (20.3%) |
| bis(2-ethylhexyl)phthalate | X (17.1%) |

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| **Instrument ID**<br>**MSQ**<br>**Compound** | **IC**<br>**2/11/04** |
|---|---|
| benzo(b)fluoanthene | X (21.7%) |
| benzo(k)fluoranthene | X (23.3%) |
| benzo(a)pyrene | X (20.8%) |
| indeno(1,2,3-cd)pyrene | X (28.6%) |
| dibenzo(a,h)anthracene | X (30.8%) |
| benzo(g,h,i)perylene | X (20.9%) |
| Samples Affected | KS-FB020504 |

Kingsbridge Station 031510

| **Instrument ID**<br>**MSU**<br>**Compound** | **IC**<br>**2/10/04** | **CC**<br>**2/11/04** | **CC**<br>**2/12/04** |
|---|---|---|---|
| benzyl alcohol | | | XX (31.8%) |
| benzoic acid | | XX (20.2%) | XX (26.1%) |
| 4-chloroaniline | | | XX (20.9%) |
| 3-nitroaniline | | | XX (21.9%) |
| 2,4-dinitrophenol | X (15.1%) | | |
| 4-nitroaniline | | | XX (20.8%) |
| pyrene | | | XX (35.0%) |
| butylbenzylphthalate | | | XX (28.8%) |
| indeno(1,2,3-cd)pyrene | | | XX (23.7%) |
| dibenzo(a,h)anthracene | | | XX (21.4%) |
| Samples Affected | All listed. | KS-MW3(7-9),<br>KS-MW3(15-17),<br>KS-B2(21-23),<br>KS-B2(38-40),<br>KS-B1(26-28) | KS-B-2(3-4),<br>KS-B-1(3-4),<br>KS-MW1(3-4),<br>KS-B1(30-32),<br>KS-MW1(13-15),<br>KS-MW1(22-24),<br>KS-MW1(28-29)<br>KS-DUP3 |

| **Instrument ID**<br>**MSU**<br>**Compound** | **IC**<br>**2/10/04** | **CC**<br>**2/13/04** |
|---|---|---|
| hexachlorocyclopentadiene | | XX (26.8%) |
| 2,4-dinitrophenol | X (15.1%) | XX (22.8%) |
| Samples Affected | All listed. | KS-MW1(31-32) |

* - Validation action was not required as this analysis was not reported for the affected analytes.

Kingsbridge Station 031510

X = Initial calibration (IC) relative standard deviation (%RSD) > 15; estimate (J3) positive and (UJ3) nondetect results.

XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ4) positive and nondetect results.

+ = Response factor (RRF) < 0.05; Estimate (J2) positive results and reject (R2) nondetect results.

The following results were qualified as estimated (J/UJ3) due to initial calibration nonconformances: chloromethane, bromomethane, chloroethane and acetone in samples KS-B2(21-23), KS-B2(38-40), KS-B1(26-28), KS-B1(30-32), KS-MW1(13-15), KS-MW1(22-24), KS-MW1(28-29) and KS-MW1(31-32), KS-B1(26-28)RA*, KS-MW1(22-24)DL* and KS-DUP3, chloromethane, bromomethane, chloroethane and acetone in samples KS-B-2(3-4), KS-B-1(3-4), KS-MW1(3-4), KS-MW3(7-9) and KS-MW3(15-17), 2-hexanone in sample KS-FB020504, 2-chlorophenol, 1,2-dichlorobenzene, 2,4-dimethylphenol, 1,2,4-trichlorobenzene, 2-methylnaphthalene, hexachlorocyclopentadiene, 2,4,6-trichlorophenol, 2,4,5-trichlorophenol, 2,4-dinitrophenol, fluorene, 4-chlorophenylphenylether, 4,6-dinitro-2-methylphenol, 4-bromophenylphenylether, hexachlorobenzene, phenanthrene, fluoranthene, benzo(a)anthracene, 3,3-dichlorobenzidine, chrysene, bis(2-ethylhexyl)phthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene and benzo(g,h,i)perylene
in sample KS-FB020504, 2,4-dinitrophenol in samples KS-MW3(7-9),KS-MW3(15-17), KS-B2(21-23), KS-B2(38-40), KS-B1(26-28), KS-B-2(3-4), KS-B-1(3-4), KS-MW1(3-4), KS-B1(30-32), KS-MW1(13-15), KS-MW1(22-24), KS-MW1(28-29) ,KS-DUP3 and KS-MW1(31-32) due to initial calibration nonconformances. The following results were qualified as estimated (J/UJ4) due to continuing calibration nonconformances: chloromethane, chloroethane, acetone and vinyl acetate in samples KS-B2(21-23), KS-B2(38-40), KS-B1(26-28), KS-B1(30-32), KS-MW1(13-15), KS-MW1(22-24), KS-MW1(28-29) and KS-MW1(31-32), chloromethane and vinyl acetate in samples KS-B1(26-28)RA*, KS-MW1(22-24)DL* and KS-DUP3, chloromethane and bromomethane in samples KS-B-2(3-4), KS-B-1(3-4), KS-MW1(3-4), KS-MW3(7-9) and KS-MW3(15-17), bromomethane in sample KS-FB020504, benzoic acid in samples KS-MW3(7-9),KS-MW3(15-17), KS-B2(21-23), KS-B2(38-40), KS-B1(26-28), benzyl alcohol, benzoic acid, 4-chloroaniline, 3-nitroaniline, 4-nitroaniline, pyrene, butylbenzylphthalate, indeno(1,2,3-cd)pyrene and dibenzo(a,h)anthracene in samples KS-B-2(3-4), KS-B-1(3-4), KS-MW1(3-4), KS-B1(30-32), KS-MW1(13-15), KS-MW1(22-24), KS-MW1(28-29) and KS-DUP3 and hexachlorocyclopentadiene and 2,4-dinitrophenol in sample KS-MW1(31-32) due to continuing calibration nonconformances.

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## Blanks

All criteria were met in the SVOC analyses.

The following table summarizes the method blank contamination in the VOC analyses.

| Compound | Type of Blank | Associated Samples | Maximum Concentration | Blank Action Level |
|---|---|---|---|---|
| methylene chloride | Soil Method Blank | KS-B-2(3-4), KS-B-1(3-4), KS-MW1(3-4), KS-MW3(7-9), KS-MW3(15-17) | 1.74 ug/Kg | 17.4 ug/Kg |
| acetone | Soil Method Blank | KS-B1(26-28)RA*, KS-MW1(22-24)DL*, KS-DUP3 | 3.15 ug/Kg | 31.5 ug/Kg |

* - Validation action was not required as this analysis was not reported for the affected analytes.

Blank Actions

If the sample concentration ≤ QL and ≤ blank action level, qualify the result as not detected (U6) at the QL.
If the sample concentration > QL and ≤ blank action level, qualify the result as not detected (U6) at the reported value.
If the sample concentration > blank action level, report the value unqualified.

Based on the action levels determined, the methylene chloride result in samples KS-B-2(3-4),
KS-B-1(3-4), KS-MW1(3-4), KS-MW3(7-9) and KS-MW3(15-17) and acetone in sample KS-DUP3 were qualified as nondetect (U6) due to method blank contamination.

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## Surrogate Recoveries

All criteria were met in the SVOC analyses.

The following table summarizes the surrogate recoveries that failed to meet the acceptance criteria in the VOC analyses:

| Sample ID | Percent Recovery | | | | Action |
|---|---|---|---|---|---|
| | 12DCED 49-134 | BRFLBE 36-133 | DBRFLM 60-130 | TOLD8 51-137 | |
| KS-B1(26-28) | - | 150 | - | - | Qualify positive results (J7). |
| KS-MW1(22-24) | - | 306 | - | - | Qualify positive results (J7). . |
| KS-B1(26-28)RA* | - | 166 | - | - | Qualify positive results (J7). |
| KS-MW1(22-24)DL* | - | 158 | - | - | Compounds were not detected, qualifications were not required. |

* - Validation action was not required as this analysis was not reported for the affected analytes.

## MS/MSD Results

A VOA MS/MSD was not submitted with these samples.

An MS/MSD was performed on sample KS-MW1(13-15) for the SVOC analyses. The following table lists the analyte MS/MSD recoveries and/or %RPDs which were outside of the laboratory established control limits.

| Compound | MS/MSD %R | RPD % | QC Limits | Action |
|---|---|---|---|---|
| 4-nitrophenol | 56, - | - | 60-140 | Estimate the nondetect result (UJ8) for 4-nitrophenol in the sample KS-MW1(13-15) ; possible low bias. |
| pentachlorophenol | 25, 28 | - | 60-140 | Estimate the nondetect result (UJ8) for pentachlorophenol in the sample KS-MW1(13-15) ; possible low bias. |

-within control limits

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## LCS Results

The following table lists the VOC and SVOC compound recoveries found outside of the laboratory control limits of 60-140% and the resultant actions.

| Compound | Recovery (%) | Associated samples | Actions |
|---|---|---|---|
| acetone<br>2-butanone | 158<br>146 | KS-B-2(3-4),<br>KS-B-1(3-4),<br>KS-MW1(3-4),<br>KS-MW3(7-9),<br>KS-MW3(15-17) | Estimate (J9) the positive results for the affected compounds in the associated samples, results may be biased high. |
| chloroethane<br>acetone<br>1,1,1-trichloroethane<br>trichloroethene | 147<br>148<br>137<br>118 | KS-B2(21-23),<br>KS-B2(38-40),<br>KS-B1(26-28),<br>KS-B1(30-32),<br>KS-MW1(13-15),<br>KS-MW1(22-24),<br>KS-MW1(28-29),<br>KS-MW1(31-32) | Estimate (J9) the positive results for the affected compounds in the associated samples, results may be biased high. |
| chloromethane | 45 | KS-FB020504 | Estimate (UJ9) the nondetect results for chloromethane in the associated sample, results may be biased low. |
| acetone | 169 | KS-FB020504 | Validation not required, acetone was not detected in the associated sample. |
| benzoic acid<br>2,4-dimethylphenol<br>4-chloroaniline<br>hexachlorocyclopentadiene<br>3-nitroaniline<br>2,4-dinitrophenol<br>3,3-dichlorobenzidine | 20<br>56<br>35<br>56<br>49<br>52<br>45 | KS-MW1(3-4),<br>KS-MW3(7-9),<br>KS-MW3(15-17),<br>KS-B2(21-23),<br>KS-B2(38-40),<br>KS-B1(26-28),<br>KS-B1(30-32),<br>KS-MW1(13-15),<br>KS-MW1(22-24),<br>KS-MW1(28-29),<br>KS-MW1(31-32),<br>KS-DUP3 | Estimate (UJ9) the nondetect results for the affected compounds in the associated samples, results may be biased low. |
| benzoic acid<br>2,4-dimethylphenol<br>4-chloroaniline<br>3-nitroaniline<br>2,4-dinitrophenol<br>4-nitrophenol<br>4-nitroaniline<br>pentachlorophenol<br>4,6-dinitro-2-methylphenol<br>3,3-dichlorobenzidine | 12<br>58<br>26<br>40<br>26<br>59<br>55<br>35<br>52 | KS-B-2(3-4),<br>KS-B-1(3-4), | Estimate (UJ9) the nondetect results for the affected compounds in the associated samples, results may be biased low. |

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| Compound | Recovery (%) | Associated samples | Actions |
|---|---|---|---|
| indeno(1,2,3-cd)pyrene<br>dibenzo(a,h)anthracene<br>benzo(g,h,i)perylene | 34<br>56<br>57<br>54 | | |
| phenol<br>1,3-dichlorobenzene<br>1,4-dichlorobenzene<br>1,2-dichlorobenzene<br>hexachloroethane<br>1,2,4-trichlorobenzene<br>benzoic acid<br>hexachlorobutadiene<br>hexachlorocyclopentadiene<br>4-nitrophenol | 36<br>51<br>51<br>54<br>45<br>57<br>19<br>46<br>56<br>40 | KS-FB020504 | Estimate (UJ9) the nondetect results for the affected compounds in the associated sample, results may be biased low. |

## Internal Standards

All criteria were met in the VOC and SVOC analyses.

## Field Duplicate Results

All criteria were met in the VOC and SVOC analyses.

## Quantitation Limits and Data Assessment

Sample calculations were spot-checked; there were no errors noted.
Results were reported which were below the lowest calibration standard level (RL) and above the method detection limit (MDL) in the VOC and SVOC analyses. These results were qualified by the laboratory (J). These results were qualified as estimated (J5) due to uncertainty at the low end of calibration.

The following table lists the sample dilutions and/or reanalyses which were performed and reported. Quantitation limits were elevated accordingly.

| Sample | VOC Analysis Reported | SVOC Analysis Reported |
|---|---|---|
| KS-B1(26-28) | Low level analysis reported for all analytes. Sample analyzed twice due to poor surrogate recoveries. Report original analysis. | NR |
| KS-MW1(22-24) | Low level analysis reported for all analytes. Laboratory performed a straight analysis and a 5-fold dilution. Report the straight analysis. | NR |
| KS-DUP3 | Low level analysis reported for all analytes. Laboratory performed and reported 5-fold dilution for all analytes. | NR |

# Data Usability Summary Report

**Site:** Kingsbridge Station, Bronx, New York
**Laboratory:** Severn Trent Laboratories, Shelton, CT
**Report No.:** 205792
**Reviewer:** Lorie MacKinnon/GEI Consultants
**Date:** March 14, 2004

## Samples Reviewed and Evaluation Summary

| FIELD ID | LAB ID | FRACTIONS VALIDATED |
|---|---|---|
| KS-B-2(3-4) | 205792-01 | PCBs, Metals, Cyanide |
| KS-B-1(3-4) | 205792-02 | PCBs, Metals, Cyanide |
| KS-MW-1(3-4) | 205792-03 | PCBs, Metals, Cyanide |
| KS-MW-3(7-9) | 205792-04 | PCBs, Metals, Cyanide |
| KS-MW-3(15-17) | 205792-05 | PCBs, Metals, Cyanide |
| KS-B-2(21-23) | 205792-06 | PCBs, Metals, Cyanide |
| KS-B-2(38-40) | 205792-07 | PCBs, Metals, Cyanide |
| KS-B-1(26-28) | 205792-08 | PCBs, Metals, Cyanide |
| KS-B-1(30-32) | 205792-09 | PCBs, Metals, Cyanide |
| KS-FB020504 | 205792-10 | PCBs, Metals, Cyanide |
| KS-MW1(13-15) | 205792-11 | PCBs, Metals, Cyanide |
| KS-MW1(22-24) | 205792-12 | PCBs, Metals, Cyanide |
| KS-MW1(28-29) | 205792-13 | PCBs, Metals, Cyanide |
| KS-MW1(31-32) | 205792-14 | PCBs, Metals, Cyanide |
| KS-DUP-3 | 205792-15 | PCBs, Metals, Cyanide |

| | | |
|---|---|---|
| Associated QC Samples: | Field/Trip Blanks: | KS-FB020504 |
| | Field Duplicate pair: | KS-MW1(22-24)/KS-DUP-3 |

The above listed samples were collected on February 2, 3, 4, and 5, 2004 and were analyzed for polychlorinated biphenyls (PCBs) by SW-846 method 8082, metals by SW-846 methods 6010B/7471, and cyanide by SW-846 method 9012. The data validation was based on the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8080A/8000A, SOP No. HW-23, Revision 0, April 1995 and the USEPA Region II Standard Operating Procedure (SOP) for the Evaluation of Metals Data for the Contract Laboratory Program, SOP No. HW-2, Revision 11, January 1992.

The organic data were evaluated based on the following parameters:

* · Data Completeness
  · Holding Times and Sample Preservation
* · Initial and Continuing Calibrations
* · Blanks
  · Surrogate Recoveries

* · Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
* · Laboratory Control Sample (LCS) Results
* · Field Duplicate Results
* · Moisture Content
· Quantitation Limits and Data Assessment
· Sample Quantitation and Compound Identification

* - All criteria were met.

NA - A field duplicate pair was not associated with this sample group.

All results were found to be usable.

The organic validation recommendations were based on the following information.

**Data Completeness**

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the PCB analyses.

**Holding Times and Sample Preservation**

Sample KS-B-1(3-4) was re-extracted and reported due to poor surrogate recoveries in the original analysis. The re-extraction of sample KS-B-1(3-4) took place one day outside of the required holding time. The positive and nondetect PCB results for sample KS-B-1(3-4) were estimated (J/UJ1) and may be biased low.

**Initial and Continuing Calibrations**

All criteria were met in the PCB analyses.

**Blanks**

Contamination was not detected in the PCB method and instrument blanks. Contamination was not detected in the field blank sample.

**Surrogate Recoveries**

The following table lists the surrogate recoveries which were outside of control limits and the resulting validation actions.

| Sample | Surrogate/ Column | Recovery (%) | Control Limits | Actions |
|---|---|---|---|---|
| | | | | |

| Sample | Surrogate/ Column | Recovery (%) | Control Limits | Actions |
|---|---|---|---|---|
| KS-B-1(3-4) | DCB/2<br>TCMX/1 and 2 | 0<br>23, 21 | 25-159<br>24-154 | No validation action required; sample was re-extracted with acceptable surrogate recoveries and reanalysis results were reported. |
| KS-B-2(3-4) | DCB/2 | 20 | 25-159 | No validation action required; within limits on alternate column. |
| KS-MW-1(3-4) | DCB/2 | 14 | 25-159 | No validation action required; within limits on alternate column. |
| **DCB = Decachlorobiphenyl**<br>**TCMX = Tetrachloro-m-xylene** | | | | |

## MS/MSD Results

An MS/MSD was performed on sample KS-B-2(3-4) for the PCB analyses. All criteria were met.

## LCS Results

All criteria were met for the PCB analyses.

## Field Duplicate Results

The field duplicate pair of KS-MW-1(22-24) and KS-DUP-3 was identified. All PCB results were nondetect in the field duplicate pair.

## Moisture Content

All criteria were met.

## Quantitation Limits and Data Assessment

Sample calculations were spot-checked; there were no errors noted.

Results were reported which were below the lowest calibration standard level (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified by the laboratory (J). These results were qualified as estimated (J5) due to uncertainty at the low end of calibration. The following table lists the sample dilutions and/or reanalyses which were performed and reported.

| Sample | PCB Analysis Reported |
|---|---|
| KS-B-1(3-4) | Sample was re-extracted due to poor surrogate recovery in the original analysis. Reanalysis was reported. |

## Sample Quantitation and Compound Identification

The following table lists the analytes which exhibited %Ds between the results from the two analytical columns which exceeded the acceptance criteria.

| Sample | Analyte | %D | Action |
|---|---|---|---|
| KS-B-2(3-4) | Aroclor 1254 | 47 | Estimate (J25) the positive result. |
| KS-B-1(3-4) | Aroclor 1254 | 425 | Result for Aroclor 1254 was <CRQL. Report the result for Aroclor 1254 as nondetect (U25). |
| | Aroclor 1260 | 42 | Estimate (J25) the positive result. |
| KS-MW-1(3-4) | Aroclor 1254 | 54 | Result for Aroclor 1254 was <CRQL. Report the result for Aroclor 1254 as nondetect (U25). |
| KS-MW-3(7-9) | Aroclor 1248 | 41 | Estimate (J25) the positive result. |
| KS-B-1(26-28) | Aroclor 1254 | 54 | Result for Aroclor 1254 was <CRQL. Report the result for Aroclor 1254 as nondetect (U25). |
| | Aroclor 1260 | 51 | Result for Aroclor 1260 was <CRQL. Report the result for Aroclor 1260 as nondetect (U25). |

Based on Region II validation guidelines, the evaluation of dual column differences is performed as follows:

| | |
|---|---|
| % Difference 25 - 70% | Estimate (J25) positive result. |
| % Difference 70 - 100% | Estimate (NJ25) the positive result as presumptively present. |
| % Difference >100% | Reject (R25) the positive result if no interference is present. |
| % Difference 100-200% (Interference) | Estimate (NJ25) the positive result as presumptively present. |
| % Difference >50% (value <CRQL) | Raise the value to the CRQL and qualify as nondetect (U25). |

The inorganic data were evaluated based on the following parameters:

* Data Completeness
* Holding Times and Sample Preservation
* Instrument Calibration
  Contract Required Detection Limit (CRDL) Standard Analysis
  Blank Analysis Results
  Inductively Coupled Plasma (ICP) Interference Check Sample Results
  Matrix Spike (MS) Results
* Laboratory Duplicate Results
* Field Duplicate Results
* Laboratory Control Sample (LCS) Results
* ICP Serial Dilution Results
* Moisture Content
* Sample Quantitation and Data Assessment

* All criteria were met for this parameter.

All results were found to be usable.

The validation recommendations were based on the following information.

**Data Completeness**

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the metals and cyanide analyses.

**Holding Times and Sample Preservation**

All criteria were met in the metals and cyanide analyses.

**Instrument Calibration**

All criteria were met in the metals and cyanide analyses.

**CRDL Standard Analysis**

A low level standard was analyzed for the ICP analyses. The following table lists the analytes which exhibited recoveries outside of the validation control limits of 80 - 120%. Based on Region II validation guidelines, the affected analyte level range is determined by the true value of the standard ± 2x the standard level.

| Analyte | Recovery | Associated Samples | Validation Actions |
|---|---|---|---|
| Potassium | 76%, 76% | KS-FB020504 | Estimate (UJ14) the nondetect result for potassium in sample KS-FB020504; result may be biased low. |
| Potassium | 75%, 76%<br>76%, 76% | All soil samples | Estimate (J14) the positive results for potassium in all soil samples with the exception of KS-MW1(31-32); results may be biased low. |

## Blank Analysis Results

All total metals instrument and method blank results were found to be less than the CRDL.

Sample results were reported down to the method detection limit. As low level contamination was detected in method and instrument blanks, technical judgement was used to evaluate the possible laboratory contamination as follows:

For positive contamination,
If the positive sample value was > the IDL and < the Action Level, qualify the result as a nondetect (U6) at the reported concentration.
If the positive sample value was > the IDL and > the Action Level, report the value unqualified.

For negative contamination,
If the positive sample value was > the instrument detection limit (IDL) and < the Action Level, qualify the result as estimated (J22) at the reported concentration. The result may be biased low.
If the result was nondetect, qualify the result as estimated (UJ22) at the detection limit. The result may be biased low.
If the positive sample value was > the Action Level, report the value unqualified.

The following table summarizes the blank contaminants detected in the laboratory blanks and associated action levels.

| Analyte | Maximum Concentration | Action Level (mg/kg) | Validation Actions |
|---|---|---|---|
| Antimony | (7.7 ug/L), 1.9 mg/kg | 9.6 mg/kg | No actions required. |
| Potassium | (469 ug/L), 117 mg/kg | 586 mg/kg | No actions required. |
| Silver | (1.8 ug/L), 0.45 mg/kg | 2.2 mg/kg | No actions required. |
| Cyanide | (1.1 ug/L), 55 ug/kg<br>(-2.6 ug/L), -130 ug/kg | 275 ug/kg<br>(-) 650 ug/kg | Qualify the positive results for cyanide as nondetect (U6) in samples KS-B-1(3-4), KS-MW-3(7-9), KS-B-2(38-40), and KS-B-1(30-32).<br>Estimate (UJ22) results for cyanide in all samples; possible low bias. |

The following table summarizes the blank contaminants detected in the field blank, KS-FB020504, associated with all soil samples, and the associated action levels. All analytes were detected below

the soil CRDL, therefore sample results less than the action level were qualified as nondetects (U6), rather than rejected.

| Analyte | Maximum Concentration | Blank Action Level (mg/kg) | Validation Actions |
|---|---|---|---|
| Aluminum | (75.4 ug/L) 18.9 mg/kg | 94.5 | No actions required. |
| Barium | (0.9 ug/L) 0.23 mg/kg | 1.15 | No actions required. |
| Calcium | (306 ug/L) 76.5 mg/kg | 382 | No actions required. |
| Iron | (180 ug/L) 45 mg/kg | 225 | No actions required. |
| Magnesium | (49 ug/L) 12.3 mg/kg | 61.5 | No actions required. |
| Manganese | (4.4 ug/L) 1.1 mg/kg | 5.5 | No actions required. |
| Sodium | (145 ug/L) 36.3 ug/kg | 181 | Qualify the results for sodium as nondetect (U6) in samples KS-MW-3(7-9) and KS-MW1(13-15). |

## ICP ICS Results

The following table lists the analytes recovered outside of control limits in the ICSAB analysis.

| Analyte | Recovery (%) | Associated Samples | Validation Actions |
|---|---|---|---|
| Thallium | 70, 66 | KS-FB020504 | No actions required; sample interferent levels were less than 50% those of the ICSAB. |

Positive results were observed for antimony and negative results were observed for cadmium in the ICSA solution analysis associated with samples KS-B-2(3-4), KS-B-1(3-4), KS-MW-1(3-4), KS-MW-3(7-9), KS-MW-3(15-17), KS-B-2(21-23), and KS-B-2(38-40). Positive results were observed for antimony and lead in the ICSA solution analysis associated with samples KS-B-1(26-28), KS-B-1(30-32), KS-MW1(13-15), KS-MW1(22-24), KS-MW1(28-29), KS-MW1(31-32), and KS-DUP-3. Positive results were observed for cadmium and negative results were observed for thallium in the ICSA solution analysis associated with sample KS-FB020504. The levels of interferents in samples were reviewed. Iron or calcium was present in samples KS-MW-3 (15-17) (58%), KS-B-2(38-40) (130%), and KS-MW-1(31-32) (58%) at greater than 50% that of the level in the ICSA solution. Professional judgement was used to accept results in which the estimated interference was less than 10% of the analyte level or in which the negative interference was less than one half the sample quantitation limit (QL). Interferences were calculated at the instrument (aqueous) level.

| Sample | Analyte | Sample Result (ug/L) | Estimated Interference (ug/L) | Actions |
|---|---|---|---|---|
| | | | | |

| Sample | Analyte | Sample Result (ug/L) | Estimated Interference (ug/L) | Actions |
|---|---|---|---|---|
| KS-MW-3 (15-17) | Antimony | 6 U | 7.9 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Cadmium | 5 U | -1.7 | No validation action required; interference <½ QL. |
| KS-B-2(38-40) | Antimony | 6 U | 17.7 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Cadmium | 5 U | -3.8 | Estimate (UJ21) the nondetect result; possible low bias. |
| KS-MW-1(31-32) | Antimony | 6 U | 10.7 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Lead | 12.8 | 4.6 | Estimate (J21) the positive result; possible low bias. |

## MS Results

The laboratory performed and reported matrix spike analyses on various non-project samples. Qualification of the data was not performed based on these results due to differences in sample type, matrix, etc.

The laboratory performed matrix spike analyses on project sample KS-B-4(22-24) for the metals analysis (reported in 205740), KS-MW-5(34-36) for the mercury analysis (reported in 205694), and samples KS-B-7(16.5-18) and KS-MW-5(16.5-18) for the cyanide analyses (reported in 205694). These matrix spike results were used to evaluate the accuracy for this sample group. The following table lists the analyte recoveries found outside of the control limits of 75-125% .

| Analyte | MS Sample | Recovery (%) | Validation Actions |
|---|---|---|---|
| Antimony | KS-B-4(22-24) | 32 | Estimate (UJ8) the nondetect results for antimony in all soil samples; possible low bias. |
| Potassium | KS-B-4(22-24) | 57 | Estimate (J8) the positive results for potassium in all soil samples; possible low bias. |
| Sodium | KS-B-4(22-24) | 147 | Estimate (J/UJ8) the positive and blank-qualified nondetect results for sodium in all soil samples; possible high bias. |

## Laboratory Duplicate Results

The laboratory performed and reported laboratory duplicate analyses on various non-project samples. Qualification of the data was not performed based on these results due to differences in sample type, matrix, etc.

A laboratory duplicate was performed on sample KS-DUP-3 for the cyanide analyses. The laboratory performed duplicate analyses on project sample KS-B-4(22-24) for the metals analysis (reported in

205740) and KS-MW-5(34-36) for the mercury analysis (reported in 205694). All criteria were met in these analyses.

**Field Duplicate Results**

The soil field duplicate pair of KS-MW-1(22-24) and KS-DUP-3 was submitted with this sample group. Analyte %RPDs were within the inorganic control limit of 100% or +/-2x quantitation limit (QL) for soil levels <5xQL.

**Laboratory Control Sample (LCS) Results**

All criteria were met in the metals and cyanide analyses.

**ICP Serial Dilution Results**

The laboratory performed an ICP serial dilution analysis on sample KS-DUP-3. All criteria were met.

**Moisture Content**

All criteria were met.

**Sample Quantitation and Data Assessment**

Sample calculations were spot-checked; no discrepancies were noted.

# Data Usability Summary Report

**Site:** Kingsbridge Station, Bronx, New York
**Laboratory:** Severn Trent Laboratories, Shelton, CT
**Report No.:** 205951
**Reviewer:** Lorie MacKinnon/GEI Consultants
**Date:** March 18, 2004

## Samples Reviewed and Evaluation Summary

| FIELD ID | LAB ID | FRACTIONS VALIDATED |
|---|---|---|
| MW-1 | 205951-01 | PCBs, Metals, Cyanide, Available Cyanide |
| MW-2 | 205951-02 | PCBs, Metals, Cyanide, Available Cyanide |
| MW-3 | 205951-03 | PCBs, Metals, Cyanide, Available Cyanide |
| MW-4S | 205951-04 | PCBs, Metals, Cyanide, Available Cyanide |
| MW-4D | 205951-05 | PCBs, Metals, Cyanide, Available Cyanide |
| MW-5S | 205951-06 | PCBs, Metals, Cyanide, Available Cyanide |
| MW-5D | 205951-07 | PCBs, Metals, Cyanide, Available Cyanide |
| MW-DUP | 205951-08 | PCBs, Metals, Cyanide, Available Cyanide |
| ER-1 | 205951-09 | PCBs, Metals, Cyanide, Available Cyanide |

Associated QC Samples: Field/Trip Blanks: ER-1
Field Duplicate pair: MW-1/MW-DUP

The above listed samples were collected on February 24 and 25, 2004 and were analyzed for polychlorinated biphenyls (PCBs) by SW-846 method 8082, metals by SW-846 methods 6010B/7471, and total and available cyanide by SW-846 method 9012. The data validation was based on the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8080A/8000A, SOP No. HW-23, Revision 0, April 1995 and the USEPA Region II Standard Operating Procedure (SOP) for the Evaluation of Metals Data for the Contract Laboratory Program, SOP No. HW-2, Revision 11, January 1992.

The organic data were evaluated based on the following parameters:

* · Data Completeness
* · Holding Times and Sample Preservation
* · Initial and Continuing Calibrations
* · Blanks
* · Surrogate Recoveries
· Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
* · Laboratory Control Sample (LCS) Results
* · Field Duplicate Results
· Quantitation Limits and Data Assessment
· Sample Quantitation and Compound Identification

* - All criteria were met.

NA - A field duplicate pair was not associated with this sample group.

All results were found to be usable.

The organic validation recommendations were based on the following information.

**Data Completeness**

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the PCB analyses.

**Holding Times and Sample Preservation**

All criteria were met in the PCB analyses.

**Initial and Continuing Calibrations**

All criteria were met in the PCB analyses.

**Blanks**

Contamination was not detected in the PCB method and instrument blanks. Contamination was not detected in the field blank sample.

**Surrogate Recoveries**

All criteria were met for the PCB analyses.

**MS/MSD Results**

An MS/MSD was not associated with this sample group. Validation action was not taken on this basis.

**LCS Results**

All criteria were met for the PCB analyses.

**Field Duplicate Results**

The field duplicate pair of MW-1 and MW-DUP was identified. All criteria were met.

**Quantitation Limits and Data Assessment**

Sample calculations were spot-checked; there were no errors noted.

Results were reported which were below the lowest calibration standard level (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified by the laboratory (J). These results were qualified as estimated (J5) due to uncertainty at the low end of calibration. Dilutions and reanalyses were not required.

## Sample Quantitation and Compound Identification

The following table lists the analytes which exhibited %Ds between the results from the two analytical columns which exceeded the acceptance criteria.

| Sample | Analyte | %D | Action |
|---|---|---|---|
| MW-2 | Aroclor 1260 | 46 | Estimate (J25) the positive result. |
| MW-5D | Aroclor 1260 | 33 | Estimate (J25) the positive result. |

Based on Region II validation guidelines, the evaluation of dual column differences is performed as follows:

| | |
|---|---|
| % Difference 25 - 70% | Estimate (J25) positive result. |
| % Difference 70 - 100% | Estimate (NJ25) the positive result as presumptively present. |
| % Difference >100% | Reject (R25) the positive result if no interference is present. |
| % Difference 100-200% (Interference) | Estimate (NJ25) the positive result as presumptively present. |
| % Difference >50% (value <CRQL) | Raise the value to the CRQL and qualify as nondetect (U25). |

Sample calculations were spot-checked; no discrepancies were noted.

The inorganic data were evaluated based on the following parameters:

Data Completeness
* Holding Times and Sample Preservation
* Instrument Calibration
Contract Required Detection Limit (CRDL) Standard Analysis
* Blank Analysis Results
Inductively Coupled Plasma (ICP) Interference Check Sample Results
* Matrix Spike (MS) Results
* Laboratory Duplicate Results
* Field Duplicate Results
* Laboratory Control Sample (LCS) Results
ICP Serial Dilution Results
* Sample Quantitation and Data Assessment

* All criteria were met for this parameter.

All results were found to be usable.

The validation recommendations were based on the following information.

**Data Completeness**

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the metals and cyanide analyses with the following exception: QC information and raw data was not present for the 03/04/04 ICP analysis. This information was requested from the laboratory on 03/17/04.

**Holding Times and Sample Preservation**

All criteria were met.

**Instrument Calibration**

All criteria were met.

**CRDL Standard Analysis**

A low level standard was analyzed for the ICP analyses. The following table lists the analytes which exhibited recoveries outside of the validation control limits of 80 - 120%. Based on Region II validation guidelines, the affected analyte level range is determined by the true value of the standard ± 2x the standard level.

| Analyte | Recovery | Associated Samples | Validation Actions |
|---|---|---|---|
| Potassium | 76%, 76% | All samples | Estimate (J14) the positive result for potassium in sample MW-4D; the result may be biased low. |

## Blank Analysis Results

All total metals instrument and method blank results were found to be less than the CRDL and method detection limits (MDLs).

Contamination was not detected in the field blank sample.

## ICP ICS Results

The following table lists the analytes recovered outside of control limits in the ICSAB analysis.

| Analyte | Recovery (%) | Associated Samples | Validation Actions |
|---|---|---|---|
| Thallium | 75, 69 | All samples | Estimate (UJ16) the nondetect results for thallium in samples MW-1, MW-3, MW-4S, and MW-DUP; results may be biased low. Validation action was not required for the remaining samples as interferent levels were less than 50% those of the ICSAB. |

Positive results were observed for cadmium and chromium and negative results were observed for thallium in the ICSA solution analyses associated with all samples. The levels of interferents in samples were reviewed. Calcium were present in samples MW-1 (73%), MW-3 (56%), MW-4S (50%), and MW-DUP (72%) at greater than 50% that of the level in the ICSA solution. Professional judgement was used to accept results in which the estimated interference was less than 10% of the analyte level or in which the negative interference was less than one half the sample quantitation limit (QL).

| Sample | Analyte | Sample Result (ug/L) | Estimated Interference (ug/L) | Actions |
|---|---|---|---|---|
| MW-1 | Cadmium | 1.1 U | 6.4 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Chromium | 7.5 | 2.0 | Estimate (J21) the positive result; possible high bias. |
| | Thallium | 10 U | -2.1 | No validation action; interference <½ sample QL. |
| MW-3 | Cadmium | 1.1 U | 4.8 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Chromium | 1.3 U | 1.6 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Thallium | 10 U | -2.1 | No validation action; interference <½ sample QL. |

| Sample | Analyte | Sample Result (ug/L) | Estimated Interference (ug/L) | Actions |
|---|---|---|---|---|
| MW-4S | Cadmium | 1.1 U | 4.4 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Chromium | 1.3 U | 1.4 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Thallium | 10 U | -1.4 | No validation action; interference <½ sample QL. |
| MW-DUP | Cadmium | 1.1 U | 6.3 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Chromium | 5.9 | 2.0 | Estimate (J21) the positive result; possible high bias. |
| | Thallium | 10 U | -2.0 | No validation action; interference <½ sample QL. |

## MS Results

A matrix spike analysis was performed on sample MW-1 for the mercury and cyanide analyses. The laboratory performed a matrix spike analysis on a non-project sample for the ICP analyses. All criteria were met.

## Laboratory Duplicate Results

A laboratory duplicate analysis was performed on sample MW-1 for the mercury and cyanide analyses. The laboratory performed a duplicate analysis on a non-project sample for the ICP analyses. All criteria were met.

## Field Duplicate Results

The field duplicate pair of MW-1 and MW-DUP was submitted with this sample group. All criteria were met.

## Laboratory Control Sample (LCS) Results

All criteria were met in the metals and cyanide analyses.

## ICP Serial Dilution Results

The laboratory performed an ICP serial dilution analysis on sample MW-DUP. The following table lists the analyte percent differences (%Ds) outside of the control limits in the ICP serial dilution analysis.

| Analyte | %D | Validation Actions |
|---|---|---|
| Calcium | 13.5% | Estimate (J19) the positive results for calcium in samples MW-1, MW-2, MW-3, MW-4S, MW-4D, MW-5S, MW-5D, and MW-DUP. |

## Sample Quantitation and Data Assessment

Sample calculations were spot-checked; no discrepancies were noted.

# Data Usability Summary Report

**Site:** Kingsbridge Station, Bronx, New York
**Laboratory:** Severn Trent Laboratories, Shelton, CT
**Report No.:** 205951
**Reviewer:** Lorie MacKinnon/GEI Consultants
**Date:** March 18, 2004

## Samples Reviewed and Evaluation Summary

| FIELD ID | LAB ID | FRACTIONS VALIDATED |
|---|---|---|
| MW-1 | 205951-01 | VOC, SVOC |
| MW-2 | 205951-02 | VOC, SVOC |
| MW-3 | 205951-03 | VOC, SVOC |
| MW-4S | 205951-04 | VOC, SVOC |
| MW-4D | 205951-05 | VOC, SVOC |
| MW-5S | 205951-06 | VOC, SVOC |
| MW-5D | 205951-07 | VOC, SVOC |
| MW-DUP | 205951-08 | VOC, SVOC |
| ER-1 | 205951-09 | VOC, SVOC |
| Trip Blank | 205951-10 | VOC |

Associated QC Samples: Field/Trip Blanks: ER-1, Trip Blank
Field Duplicate pair: MW-1/MW-DUP

The above listed samples were collected on February 24 and 25, 2004 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B and semivolatile organic compounds (SVOCs) by SW-846 method 8270C. The data validation was based on the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8260B, SOP No. HW-24, Revision 1, June 1999 and USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8270C, SOP No. HW-22, Revision 2, June 2001.

The organic data were evaluated based on the following parameters:

* · Data Completeness
* · Holding Times and Sample Preservation
* · Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
· Initial and Continuing Calibrations
· Blanks
* · Surrogate Recoveries
· Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
* · Internal Standards
· Laboratory Control Sample (LCS) Results
* · Field Duplicate Results

| | | |
|---|---|---|
| | · | Quantitation Limits and Data Assessment |
| * | · | Sample Quantitation and Compound Identification |

| | | |
|---|---|---|
| * | - | All criteria were met. |

All results were found to be usable.

The organic validation recommendations were based on the following information.

## Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the VOC and SVOC analyses.

## Holding Times and Sample Preservation

All criteria were met in the VOC and SVOC analyses.

## GC/MS Tunes

All criteria were met in the VOC and SVOC analyses.

## Initial and Continuing Calibrations

Compounds that did not meet criteria in the VOC and SVOC initial and continuing calibrations are summarized in the following tables.

| Instrument ID<br>MSL<br>Compound | IC<br>2/18/04 | CC<br>2/28/04 | CC<br>3/01/04 |
|---|---|---|---|
| bromomethane | X (31.9%) | | XX (20.6%) |
| acetone | X (38.8%) | XX (20.9%) | |
| chloroethane | | XX (23.2%) | |
| 2-butanone | | | XX (22.9%) |
| 2-hexanone | | | XX (23.6%) |
| Samples Affected | All samples | MW-2, MW-3, MW-4S, MW-4D, MW-5S, MW-5D, MW-DUP, ER-1, Trip Blank | MW-1 |

Kingsbridge Station, Project 031510

| Instrument ID<br>MSP<br>Compound | IC<br>03/01/04 | CC<br>01/20/04 |
|---|---|---|
| 2,4-dinitrophenol | X (18.2%) | XX (22.2%) |
| pentachlorophenol | X (16.6%) | |
| benzoic acid | X (29.4%) | XX (22.8%) |
| hexachlorocyclopentadiene | | XX (32.6%) |
| Samples Affected | All samples listed | All samples |

X = Initial calibration (IC) relative standard deviation (%RSD) > 15; estimate (J3) positive and (UJ3) blank-qualified nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ4) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J4) positive results and reject (R4) nondetect results.
+ = Response factor (RRF) < 0.05; Estimate (J2) positive results and reject (R2) nondetect results.

The positive and blank-qualified nondetect results for acetone in samples MW-2 and ER-1 were estimated (J/UJ3) due to initial calibration nonconformances. Validation actions were not required for the remaining compounds due to initial calibration nonconformances as the results were nondetect.

The following results were qualified as estimated (J/UJ4) due to continuing calibration nonconformances: chloroethane and acetone in samples MW-2, MW-3, MW-4S, MW-4D, MW-5S, MW-5D, MW-DUP, ER-1, Trip blank; bromomethane, 2-butanone, and 2-hexanone in sample MW-1; and benzoic acid, hexachlorocyclopentadiene, and 2,4-dinitrophenol in all samples. The direction of the bias cannot be determined from these nonconformances.

## Blanks

The following table summarizes the method and field blank contamination in the VOC and SVOC analyses.

| Compound | Type of Blank | Associated Samples | Maximum Concentration | Blank Action Level |
|---|---|---|---|---|
| Methylene chloride | Field blank ER-1 | All samples | 1 ug/L | 10 ug/L |
| Acetone | Field blank ER-1 | All samples | 3 ug/L | 3 ug/L |
| Bis(2-ethylhexyl)phthalate | Method blank | All samples | 0.5 ug/L | 5 ug/L |

Blank Actions

If the sample concentration ≤ QL and ≤ blank action level, qualify the result as not detected (U6) at the QL.
If the sample concentration > QL and ≤ blank action level, qualify the result as not detected (U6) at the reported value.
If the sample concentration > blank action level, report the value unqualified.

Based on the action levels determined, the positive results for bis(2-ethylhexyl)phthalate in samples MW-1, MW-5D, and MW-DUP were qualified as nondetect (U6) due to method blank contamination. The positive result for acetone in sample MW-2 was qualified as nondetect (U6) due to field blank contamination.

## Surrogate Recoveries

All criteria were met in the VOC and SVOC analyses.

## MS/MSD Results

An MS/MSD analysis was not associated with the VOC and SVOC analyses. Validation action was not required on this basis.

## Internal Standards

All criteria were met in the VOC and SVOC analyses

## LCS Results

The following table lists the compound recoveries found outside of the validation control limits of 60 - 140% or laboratory established control limit (if tighter) in the LCS analyses and the resultant actions in the VOC and SVOC analyses.

| Compound | Recovery | Control Limits | Associated Samples | Actions |
|---|---|---|---|---|
| bromomethane<br>acetone<br>2-butanone | 143%<br>168%<br>172% | 60-140 | MW-1 | Validation action was not required; the affected results were nondetect and therefore not affected by the potential high bias. |
| phenol<br>hexachloroethane<br>benzoic acid<br>2,4-dimethylphenol<br>4-nitrophenol | 28%<br>59%<br>14%<br>42%<br>37% | 60-140<br>60-140<br>60-140<br>60-140<br>60-140 | All samples | Estimate (J/UJ9) the positive and nondetect results for the affected analytes in all samples; results may be biased low. |

## Field Duplicate Results

The field duplicate pair of MW-1 and MW-DUP was submitted with this sample group. All VOC

and SVOC results were nondetect.

## Quantitation Limits and Data Assessment

Results were reported which were below the lowest calibration standard level (RL) and above the method detection limit (MDL) in the VOC and SVOC analyses. These results were qualified by the laboratory (J). These results were qualified as estimated (J5) due to uncertainty at the low end of calibration.

Dilutions and reanalyses were not required.

## Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

# Appendix D

## Photographic Documentation

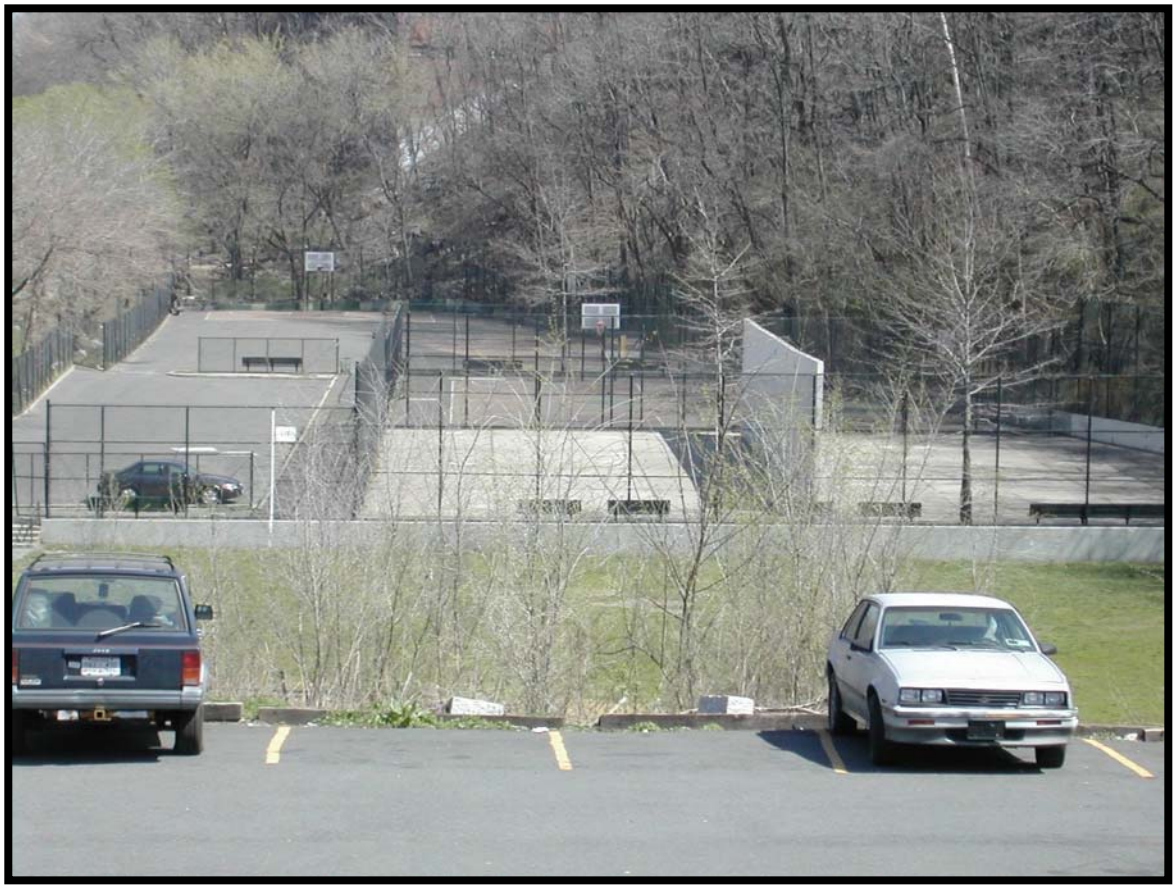

**PHOTO 1**
Facing north from upper parking lot on Landing Road.

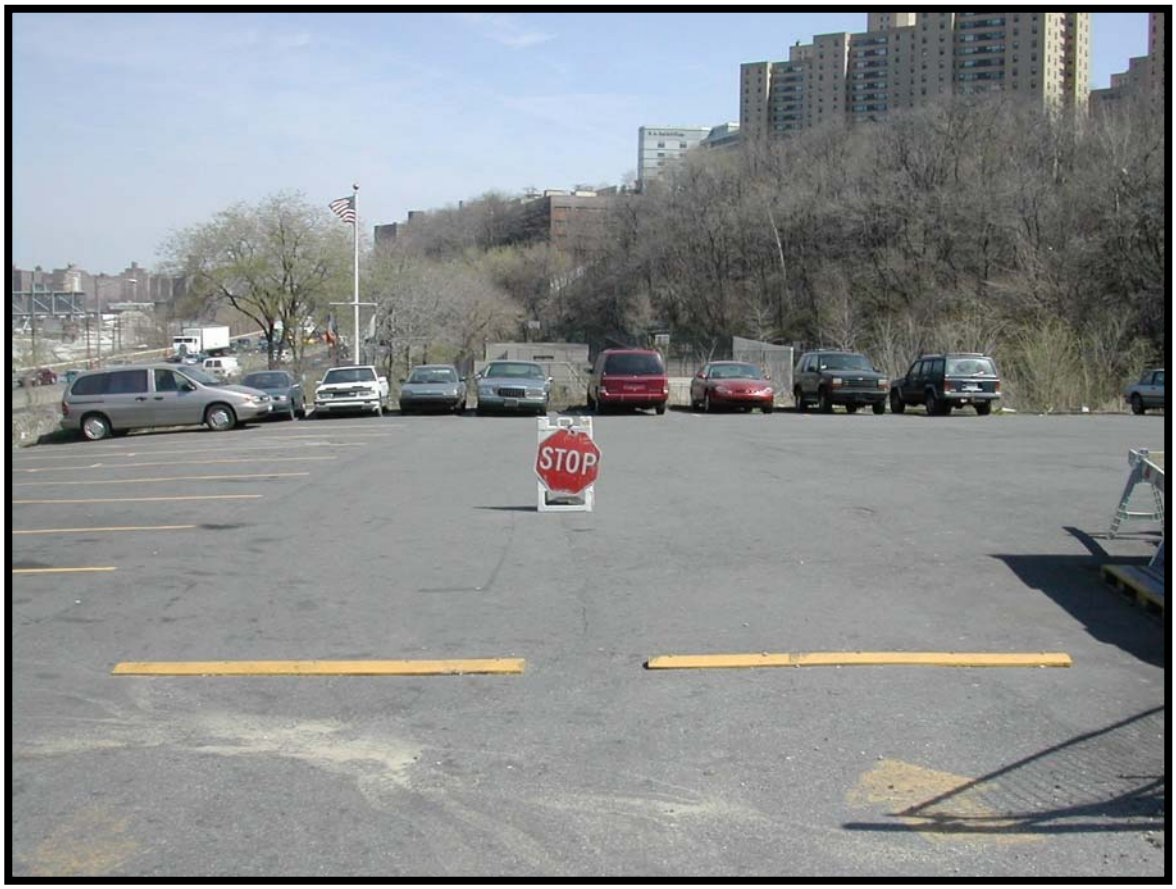


**PHOTO 2**
Landing Road upper parking lot, facing north.

**PHOTO 3**
Facing south along park entrance road, baseball field on east side.

**PHOTO 4**
Facing south from centerfield, fill slope and upper parking lot is visible south of baseball field.

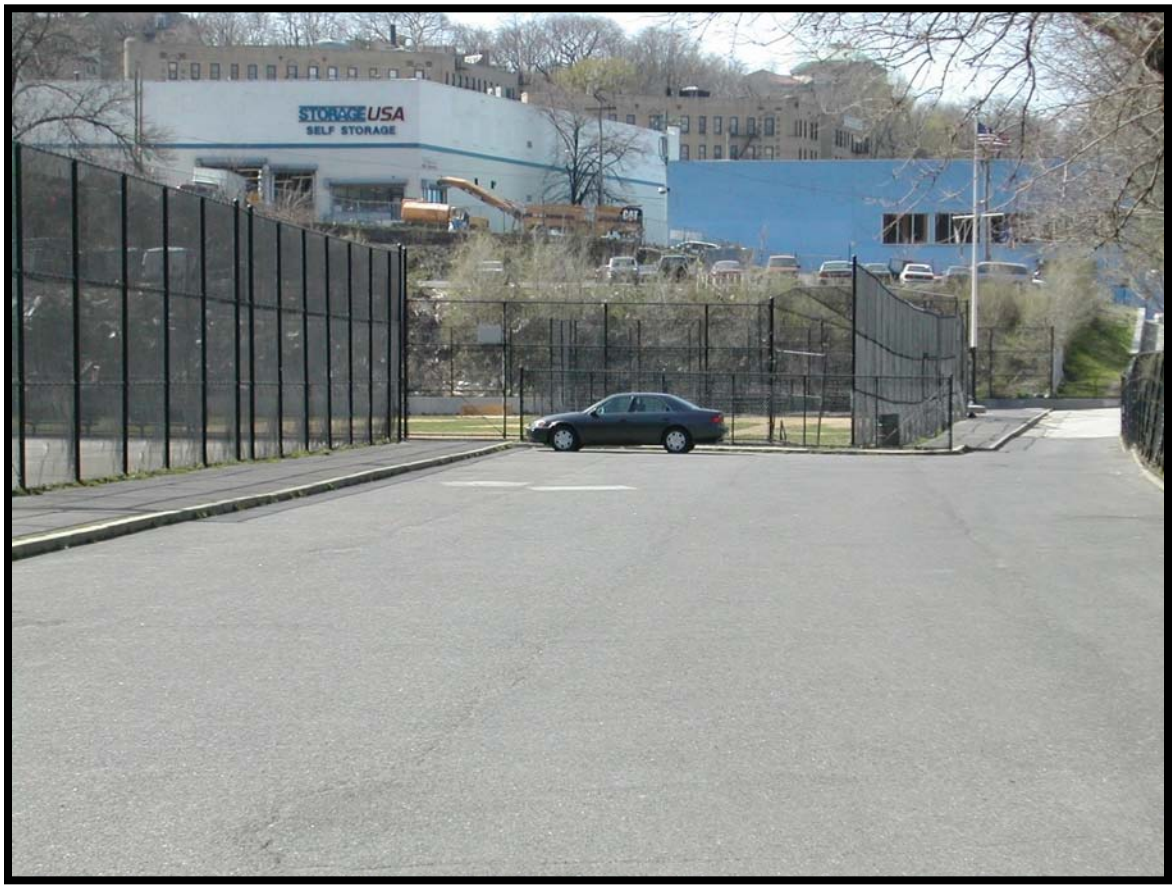


**PHOTO 5**

Facing south towards Landing Road, handball courts are to the east.

**PHOTO 6**

Facing north towards basketball courts, handball courts are to the east and the Major Deegan Expressway is to the west.

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**PHOTO 7**
Facing north towards basketball courts.

**PHOTO 8**
Drilling activities in basketball court area.

**PHOTO 9**
Drilling activities west of handball courts.

**PHOTO 10**
Drilling activities in baseball field.

**New York State Department of Environmental Conservation**
**Division of Environmental Enforcement**
**Bureau of Superfund and Brownfield Restoration**
625 Broadway, 14th Floor
Albany, New York 12233-5550
**Phone:** (518) 402-9512 • **FAX:** (518) 402-9019
**Website:** www.dec.state.ny.us

Denise M. Sheehan
Acting
Commissioner

September 12, 2005

Michael A. Wilcken, Esq.
Law Department
Consolidated Edison Company of New York, Inc
4 Irving Place
New York, NY 10003

Re: Voluntary Cleanup Site
Kingsbridge Holder Station
Bronx, NY # V00559

Dear Mr. Wilcken:

Unless otherwise specified in this letter, all terms used herein shall have the meaning assigned to them under the terms of the Voluntary Agreement entered into between the New York State Department of Environmental Conservation (the "Department") and Consolidated Edison Company of New York, Inc. ("Volunteer"), Index No. D2-0003-02-08 (the "Agreement").

The Department is pleased to report that the Department is satisfied that the Agreement's approved Work Plan relative to the Site, located at 233 Landing Road in the City of New York, Bronx County, further identified as block 3236, lots 24 and 45, a map of which is attached hereto as Appendix "A" (the "Site"), has been successfully implemented.

**Assignable Release and Covenant Not To Sue**:

The Department, therefore, hereby releases, covenants not to sue, and shall forbear from bringing any action, proceeding, or suit pursuant to the Environmental Conservation Law, the Navigation Law or State Finance Law, and from referring to the Attorney General any claim for recovery of costs incurred by the Department, against Volunteer and Volunteer's lessees and sublesses, grantees, successors and assigns, and their respective secured creditors, for the further investigation and remediation of the Site, based upon the release or threatened release of Covered Contamination, provided that (a) timely payments of the amounts specified in Paragraph VI of the Agreement continue to be or have been made to the Department, (b) appropriate deed restrictions remain recorded in accordance with Paragraphs X of the Agreement, and (c) Volunteer and/or its lessees, sublessees, successors, or assigns promptly commence and diligently pursue to completion the Work Plan providing for OM&M, if any. Nonetheless, the Department hereby reserves all of its respective rights concerning, and such release, covenant not to sue, and forbearance shall not

extend to natural resource damages nor any further investigation or remedial action the Department deems necessary:

(i) due to migration off-Site of contaminants resulting in impacts to environmental resources, to human health, or to other biota that are not inconsequential and to the off-Site migration of petroleum

(ii) due to environmental conditions or information related to the Site which were unknown to the Department at the time this Release and Covenant not to Sue was issued and which indicate that the Contemplated Use cannot be implemented with sufficient protection of human health and the environment;

(iii) due to Volunteer's failure to implement the Agreement to the Department's satisfaction;

(iv) due to fraud committed by Volunteer in entering into or implementing this Agreement.

Additionally, the Department hereby reserves all of its rights concerning, and any such release, covenant not to sue, and forbearance shall not extend to Volunteer nor to any of Volunteer's lessees, sublessees, successors, or assigns who cause or allow a release or threat of release at the Site of any hazardous substance (as that term is defined at 42 USC 9601[14]) or petroleum (as that term is defined in Navigation Law Section 172[15]), other than Covered Contamination; or or cause or allow the use of the Site to change from the Contemplated Uses to one requiring a lower level of residual contamination before that use can be implemented with sufficient protection of human health and the environment; nor to any of Volunteer's lessees, sublessees, successors, or assigns who is otherwise a party responsible under law for the remediation of the Existing Contamination independent of any obligation that party may have respecting same established resulting solely from the Agreement's execution or such lessee's, sublessee's, successor's, or assign's present ownership or operation of the Site.

Notwithstanding the above, however, with respect to any claim or cause of action asserted by the Department, the one seeking the benefit of this release, covenant not to sue, and forbearance shall bear the burden of proving that the claim or cause of action, or any part thereof, is attributable solely to Covered Contamination.

Notwithstanding any other provision in this release, covenant not to sue, and forbearance,

- if with respect to the Site there exists or may exist a claim of any kind or nature on the part of the New York State Environmental Protection and Spill Compensation Fund against any party, nothing in this release shall be construed, or deemed, to preclude the State of New York from recovering such claim.

- except as provided in this letter and in this Agreement, nothing contained in the Agreement or in this letter shall be construed as barring, diminishing, adjudicating, or in any way affecting any of the Department's rights (including, but not limited to, the right to recover natural resources damages) with respect to any party, including Volunteers.

- nothing contained in this letter shall prejudice any rights of the Department to take any investigatory or remedial action it may deem necessary if Volunteer fails to comply with the Agreement or if contamination other than Existing Contamination is encountered at the Site.

- nothing contained in this letter shall be construed to prohibit the Commissioner or her duly authorized representative from exercising any summary abatement powers.

- nothing contained in this letter shall be construed to affect the Department's right to terminate the Agreement under the terms of the Agreement at any time during its implementation if Volunteer fails to comply substantially with the Agreement's terms and conditions.

In conclusion, the Department is pleased to be part of this effort to return the Site to productive use of benefit to the entire community.

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

By: _____
Anthony B. Quartararo
Bureau Chief
Bureau of Superfund and Brownfield Restoration

cc: E. Armater
T. Kunkel
D. Walsh
B. Schick
G. Laccetti, DOH

edms 210491

**LIMITED SITE INVESTIGATION REPORT**
**233 LANDING ROAD**
**BLOCK 3236, LOT 25**
**BRONX, NEW YORK**

**PREPARED FOR:**
Bowery Residents' Committee
131 West 25th Street- 12th Floor
New York, NY 10001

**PREPARED BY:**
GZA GeoEnvironmental, Inc.
55 Lane Road, Suite 407
Fairfield, New Jersey 07004

May 15, 2014
File No. 12.0076232.00

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APPENDIX G SOIL VAPOR LABORATORY REPORT

# 1.00 INTRODUCTION

This report presents the results of a limited Phase II Site Investigation (SI) conducted by GZA GeoEnvironmental, Inc. (GZA) on behalf Bowery Residents' Committee (Client) for the subject property located at 233 Landing Road in Bronx, New York (Site). This report is subject to the Limitations presented in **Appendix A**.

## 1.10 SITE DESCRIPTION

The Site is a 0.85-acre, rectangular-shaped parcel identified as 233 Landing Road, or Block 3236, Lot 25, located in the Bronx, New York. The Site is bound to the south and east by Landing Road, to the north by Fordham Landing Playground, and to the west by the Major Deegan Expressway. The surrounding area consists of commercial storefronts with upper level apartments. A Site location plan is presented as **Figure 1.**

Formerly, the Site contained a building associated with a former manufactured gas plant (MGP) holder that was located just north of the Site. Currently, the Site is an asphalt-covered parking lot serving restaurants and shops in the surrounding area. The lot slopes steeply to the west. The Site Plan with GZA's boring locations is presented as **Figure 2**.

## 1.20 PROJECT OBJECTIVE

The objective of the SI was to assess subsurface conditions at the Site for the development of a multi-story residential building with a subsurface garage.

# 2.00 PROJECT BACKGROUND

GZA reviewed the following documents regarding earlier environmental investigations at the Site.

Site Characterization Report, Kingsbridge Station, dated October 1, 2004, prepared by GEI Consultants.

GEI Consultants performed due diligence for several connected properties collectively known as the Kingsbridge Holder Station, which were associated with Consolidated Edison of New York (Con Edison) or its predecessor companies, on behalf of Con Edison. According to this report, the Site formerly contained a building associated with a gas holder that was mostly located just north of the Site and whose southern edge was on the Site.

Two boreholes and one permanent groundwater monitoring well were installed on the Site as part of GEI's Site Characterization. Soil samples were collected from the three boreholes at 3' to 4' below grade (bg). A total of eight other soil samples were collected

at selected intervals in the three boreholes at depths ranging from 13' to 40' bg. The soil samples were analyzed for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). A soil sample collected at 3' to 4' bg and a soil sample collected at 21' to 23' bg in separate boreholes contained several SVOCs at concentrations above the New York State Department of Environmental Conservation (NYSDEC) standards in effect at that time. GZA notes that none of the soil samples were collected near the surface.

The monitoring well was installed in the southeast corner of the Site. The groundwater sample collected from the monitoring well was analyzed for VOCs, SVOCs, polychlorinated biphenyls (PCBs), and Target Analyte List (TAL) metals. The sample did not contain exceedances of any targeted compounds.

The report is provided in **Appendix B** of this report. Based on the results from this report, NYSDEC issued a No Further Action (NFA) letter with a Covenant Not To Sue to Con Edison for Kingsbridge Holder Station, which includes the Site. A copy of the NYSDEC letter is provided in **Appendix C** of this report.

## 3.00 PHYSICAL SETTING

According to the GEI report, groundwater was detected between 18' and 19' bg in the borehole that was converted into a water table monitoring well. Groundwater generally flows to the northwest on the Site. GZA's investigation encountered fill material below the asphalt surface to depths ranging from 5 to 10 feet bg. Sand and gravel were encountered below fill materials in all boreholes until bedrock refusal was encountered at 11 to 14 feet bg. GZA detected groundwater at 19.1' bg, consistent with GEI's findings.

## 4.00 TECHNICAL REVIEW

This section describes the field sampling methodologies implemented at the Site.

### 4.10 SOIL SAMPLING AND ANALYSIS

EG&R Environmental Services of Cranbury, New Jersey, a New York-licensed driller, provided drilling services at the Site. On April 24, 2014, EG&R advanced four borings on the Site using a Geoprobe® 7822DT, referred to as GZA-1, GZA-2, GZA-3, and GZA-4. The boreholes were located randomly across the Site to provide an unbiased characterization of the Site soils. Soil borings were advanced to 15 feet bg, or until refusal. Soil boring locations are depicted on **Figure 2** and soil boring logs are provided in **Appendix D**.

Soil cores were obtained from a standard two-inch diameter, 60-inch long macro core sampler fitted with a dedicated clear acetate liner driven by a hydraulic hammer. Upon recovering the cores, the soils were screened with a photoionization detector (PID)

equipped with a 10.6 eV lamp. Soil was inspected for visual evidence of contamination, and described and classified according to the Burmister Soil Classification System. After sampling was completed, each borehole was backfilled with soil cuttings. GZA did not observe any elevated PID readings nor was there any evidence of impacts (staining or odors).

Soil samples were collected from 0.5 to 1.5 feet bg at the four borehole locations and additionally from 10 to 11 feet bg at borehole locations GZA-1 and GZA-2. Samples were collected in clean, laboratory-supplied containers and placed in a cooler and kept on ice. The samples were then transported to Alpha Analytical, Inc. of Westborough, Massachusetts (Alpha), a New York State-certified laboratory, using chain-of-custody procedures. Alpha analyzed the soil samples for Target Compound List (TCL) SVOCs, PCBs, and TAL metals. The laboratory report is presented in **Appendix E**.

**Table 1** summarizes the soil analytical results and compares the results to the New York Restricted Residential Soil Cleanup Objectives (RRSCOs) and the New York Unrestricted Use Soil Cleanup Objectives (UUSCOs). The results are as follows:

- None of the six soil samples contained exceedances of PCBs.
- Soil sample GZA-1(10-11) contained several targeted SVOCs at concentrations above their RRSCOs, and several other targeted SVOCs at concentrations above their UUSCOs but below their RRSCOs. None of the other five soil samples contained exceedances of any targeted SVOC.
- Three of the soil samples contained lead at a concentration above its UUSCO but below its RRSCO.
- Soil sample GZA-2(10-11) contained copper and mercury, two targeted metals, at concentrations above their UUSCOs and RRSCOs. Five other targeted metals, including lead, were detected in this sample at concentrations above their UUSCOs but below their RRSCOs. Three of the soil samples did not contain any targeted metals at concentrations above their UUSCOs or RRSCOs.

## 4.20 GROUNDWATER SAMPLING AND ANALYSIS

EG&R installed the temporary groundwater well point TW-1 to a depth of 29 feet bg (TW-1). by placing a one-inch inner diameter slotted PVC screen between 19 to 29 feet bg. GZA collected grab groundwater samples via a peristaltic pump and measured the depth to groundwater. The temporary well point was not developed and no water quality parameters (pH, temperature, dissolved oxygen, etc.) were measured during sampling. Samples were placed in laboratory supplied glassware, kept on ice, and submitted to Alpha for analysis of Full Part 375 list of compounds. A trip blank will was analyzed for VOCs.

TW-1 was installed to 29 feet bg and a grab groundwater sample was collected for Part 375 list of compounds, i.e. VOCs, SVOCs, PCBs, pesticides, and TAL metals. Depth to water at TW-1 was 19.1 feet bg. **Table 2** summarizes the groundwater analytical results and compares them to the New York Ambient Water Quality Standards (AWQS).

No pesticides or PCBs were detected in the groundwater sample collected from TW-1. No targeted SVOCs or VOCs were detected in the groundwater sample at concentrations exceeding their respective AWQSs. Iron, lead, manganese, and sodium were detected in concentrations above their respective AWQSs. However, iron, manganese, and sodium are likely naturally occurring in soils at this location, and the presence of a lead exceedance may also be related to natural Site conditions.

4.30 SOIL GAS SAMPLING AND ANALYSIS

On April 24, 2014, EG&R installed soil vapor sampling point SG-1 at the location of GZA-1. After collecting soil samples from GZA-1, EG&R backfilled the borehole to five feet bg so that a soil gas sample could be collected. After allowing two hours to pass so that subsurface conditions could stabilize, EG&R inserted polyethylene tubing into the borehole and created an air-tight seal at the surface using hydrated bentonite to prevent short-circuiting and sample dilution. GZA tested the adequacy of the seal with a helium tracer test. The seal was verified by direct helium readings of less than 10% in the sample space. GZA then connected the polyethylene tubing to a laboratory-supplied, batch certified, clean six-liter Summa canister equipped with a two-hour flow regulator. A soil vapor field log is provided in **Appendix F**.

Post-soil vapor sample collection, EG&R backfilled the soil vapor point with the drill cuttings to near grade surface.

Soil vapor sample SG-1 was analyzed for VOCs using USEPA Method TO-15. **Table 3** summarizes the soil vapor analytical results and compares them to New York State Department of Health (NYSDOH) Soil Vapor Intrusion Guidance Criteria. The following 11 VOCs were detected above one or more of the NYSDOH criteria: 1,3-butadiene, 4-methyl-2-pentanone, benzene, carbon sulfide, chloromethane, n-hexane, xylene, tetrachloroethene, trichloroethene, and vinyl chloride. The laboratory report is provided in **Appendix G.**

## 5.00 CONCLUSIONS AND RECOMMENDATIONS

GZA's limited Phase II Site Investigation detected historic urban fill typical of soil with a long industrial history. Several SVOCs were detected in concentrations exceeding all regulatory criteria in deeper soils. Copper and mercury were also detected in concentration levels exceeding regulatory criteria in deeper soil samples. No exceedances of any targeted compounds were detected in groundwater, except for certain metals whose presence may be indicative of background conditions. Several VOCs were present in a soil gas sample at concentrations above State guidelines.

GZA recommends the following regarding soils and soil gas at the Site:

- Soils that will be excavated during the construction of the proposed building may be contaminated. Excavated soils should be properly characterized to determine whether they are contaminated. Contaminated soils, if sent off-site must be sent to a disposal facility licensed to accept contaminated soils.

- Exposure to contaminated soils remaining on Site should be eliminated by the installation of engineering controls (e.g., asphalt or concrete cover), or by the emplacement of at least two feet of clean fill on top of the contaminated soils.

- The exceedances in the soil gas sample do not appear to be related to on-site conditions. Nevertheless, they represent a potential vapor intrusion hazard to the proposed building. The building should be equipped with a vapor barrier to prevent intrusion of vapor from the subsurface into the interior breathing air of the building.

# FIGURES

NEW YORK

QUADRANGLE LOCATION

SOURCE:
USGS TOPOGRAPHIC MAPS: CENTRAL PARK, NY-NJ (2011) & YONKERS, NY-NJ (2013). CONTOUR INTERVAL 10 FT., NAVD-1988, ORIGINAL SCALE 1:24,000 (1"=2,000 FT.).

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233 LANDING ROAD
BRONX, NEW YORK

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
BOWERY RESIDENTS' COMMITTEE

**SITE LOCATION MAP**

| | | | |
|---|---|---|---|
| PROJ MGR: BA | REVIEWED BY: MM | CHECKED BY: MM | FIGURE 1 |
| DESIGNED BY: MM | DRAWN BY: EM | SCALE: 1"=2000' | |
| DATE: MAY 2014 | PROJECT NO. 12-0076232.00 | REVISION NO. | SHEET NO. |

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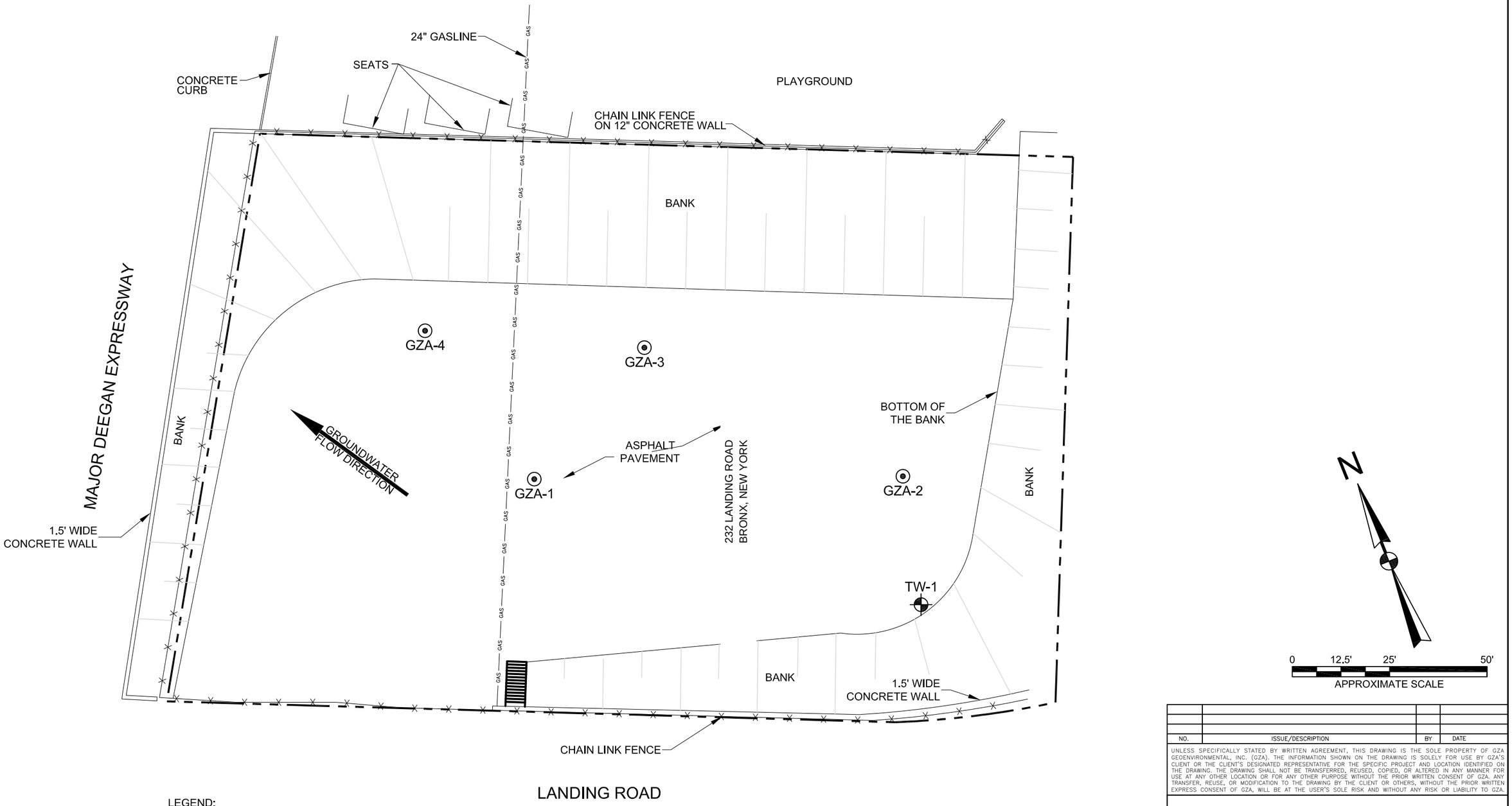


LEGEND:

- BORING LOCATION (COMPLETED 4/24/14)
- TEMPORARY WELL LOCATION (COMPLETED 4/24/14)
- APPROXIMATE SITE BOUNDARY
- CHAIN LINK FENCE
- 24" GAS LINE

NOTES:

1) BASE MAP DEVELOPED FROM PLAN PROVIDED BY PRECISION SURVEYS, ENTITLED "SURVEY OF 233 LANDING ROAD," DATED MARCH 27, 2003, ORIGINAL SCALE 1"=30'.

2) THE LOCATION OF THE EXPLORATIONS WERE APPROXIMATELY DETERMINED BY LINE OF SIGHT FROM EXISTING TOPOGRAPHIC FEATURES. THESE DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

| NO. | ISSUE/DESCRIPTION | BY | DATE |
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233 LANDING ROAD
BRONX, NEW YORK

**SITE PLAN**

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
BOWERY RESIDENTS' COMMITTEE

| | | | |
|---|---|---|---|
| PROJ MGR: BA | REVIEWED BY: MM | CHECKED BY: MM | FIGURE |
| DESIGNED BY: MM | DRAWN BY: EM | SCALE: 1" = 25' | 2 |
| DATE: MAY 2014 | PROJECT NO. 12.0076232.00 | REVISION NO. | SHEET NO. |

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**TABLE**

# Table 1 - Soil Analytical Results

233 Landing Road

Bronx, New York

| LAB SAMPLE ID<br>LOCATION<br>SAMPLE DEPTH (ft.)<br>SAMPLING DATE<br>UNITS | NY RRSCO<br>mg/kg | NY UUSCO<br>mg/kg | L1408689-01<br>GZA-1<br>0.5-1.5<br>4/24/2014<br>mg/kg | | L1408689-02<br>GZA-1<br>10-11<br>4/24/2014<br>mg/kg | | L1408689-03<br>GZA-2<br>0.5-1.5<br>4/24/2014<br>mg/kg | | L1408689-04<br>GZA-2<br>10-11<br>4/24/2014<br>mg/kg | | L1408689-05<br>GZA-3<br>0.5-1.5<br>4/24/2014<br>mg/kg | | L1408689-06<br>GZA-4<br>0.5-1.5<br>4/24/2014<br>mg/kg | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Results | Qual | Results | Qual | Results | Qual | Results | Qual | Results | Qual | Results | Qual |
| **SVOCs** | | | | | | | | | | | | | | |
| 2-Methylnaphthalene | NA | NA | 0.22 | U | 0.44 | | 0.22 | U | 0.28 | U | 0.22 | U | 0.3 | J |
| Acenaphthene | 100 | 20 | 0.15 | U | 1.4 | | 0.14 | U | 0.19 | U | 0.15 | U | 0.25 | J |
| Acenaphthylene | 100 | 100 | 0.15 | U | 0.27 | U | 0.12 | J | 0.19 | U | 0.15 | U | 0.29 | U |
| Anthracene | 100 | 100 | 0.045 | J | 2.1 | | 0.051 | J | 0.14 | U | 0.11 | U | 0.26 | |
| Benzo(a)anthracene | 1 | 1 | 0.17 | | **3.5** | | 0.18 | | 0.14 | U | 0.062 | J | 0.33 | |
| Benzo(a)pyrene | 1 | 1 | 0.19 | | **2.7** | | 0.28 | | 0.19 | U | 0.062 | J | 0.24 | J |
| Benzo(b)fluoranthene | 1 | 1 | 0.22 | | **3.8** | | 0.25 | | 0.14 | U | 0.066 | J | 0.27 | |
| Benzo(ghi)perylene | 100 | 100 | 0.16 | | 1.6 | | 0.38 | | 0.19 | U | 0.06 | J | 0.14 | J |
| Benzo(k)fluoranthene | 3.9 | 0.8 | 0.084 | J | **1.4** | | 0.097 | J | 0.14 | U | 0.11 | U | 0.15 | J |
| Biphenyl | NA | NA | 0.43 | U | 0.12 | J | 0.41 | U | 0.54 | U | 0.42 | U | 0.83 | U |
| Carbazole | NA | NA | 0.19 | U | 1.3 | | 0.18 | U | 0.24 | U | 0.18 | U | 0.36 | U |
| Chrysene | 3.9 | 1 | 0.18 | | **3.2** | | 0.23 | | 0.14 | U | 0.07 | J | 0.42 | |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.038 | J | **0.41** | | 0.096 | J | 0.14 | U | 0.11 | U | 0.22 | U |
| Fluoranthene | 100 | 100 | 0.31 | | 8.8 | | 0.21 | | 0.059 | J | 0.1 | J | 0.65 | |
| Fluorene | 100 | 30 | 0.19 | U | 1.1 | | 0.18 | U | 0.24 | U | 0.18 | U | 0.14 | J |
| Indeno(1,2,3-cd)Pyrene | 0.5 | 0.5 | 0.14 | J | **1.7** | | 0.26 | | 0.19 | U | 0.048 | J | 0.14 | J |
| Naphthalene | 100 | 12 | 0.19 | U | 1 | | 0.18 | U | 0.24 | U | 0.18 | U | 0.17 | J |
| Phenanthrene | 100 | 100 | 0.17 | | 8.9 | | 0.13 | | 0.048 | J | 0.04 | J | 1.3 | |
| Pyrene | 100 | 100 | 0.29 | | 6.8 | | 0.28 | | 0.14 | U | 0.097 | J | 0.68 | |
| **PCBs** | | | | | | | | | | | | | | |
| PCBs, Total | 1 | 0.1 | 0.0373 | U | 0.0332 | U | 0.0366 | U | 0.0611 | | 0.0173 | J | 0.0371 | U |
| **Total Metals** | | | | | | | | | | | | | | |
| Aluminum, Total | NA | NA | 10000 | | 12000 | | 9400 | | 14000 | | 12000 | | 5000 | |
| Antimony, Total | NA | NA | 4.3 | | 4 | U | 4.2 | U | 21 | | 4.3 | U | 4.3 | U |
| Arsenic, Total | 16 | 13 | 7.7 | | 7.5 | | 8.8 | | **22** | | 8.9 | | 9.2 | |
| Barium, Total | 400 | 350 | 140 | | 240 | | 120 | | 140 | | 170 | | 45 | |
| Beryllium, Total | 72 | 7.2 | 0.16 | J | 0.13 | J | 0.17 | J | 0.55 | U | 0.09 | J | 0.18 | J |
| Cadmium, Total | 4.3 | 2.5 | 0.11 | J | 0.79 | U | 0.84 | U | 1.1 | U | 0.86 | U | 0.86 | U |
| Calcium, Total | NA | NA | 9900 | | 13000 | | 10000 | | 26000 | | 32000 | | 43000 | |
| Chromium, Total | NA | NA | 32 | | 37 | | 23 | | 630 | | 45 | | 8.5 | |
| Cobalt, Total | NA | NA | 6.6 | | 9 | | 6.3 | | 3.7 | | 7.8 | | 3.1 | |
| Copper, Total | 270 | 50 | 19 | | 27 | | 20 | | **4600** | | 17 | | 37 | |
| Iron, Total | NA | NA | 18000 | | 19000 | | 16000 | | 39000 | | 19000 | | 9900 | |
| Lead, Total | 400 | 63 | **84** | | 13 | | 40 | | **150** | | 21 | | **140** | |
| Magnesium, Total | NA | NA | 6400 | | 8500 | | 5700 | | 900 | | 19000 | | 11000 | |
| Manganese, Total | 2000 | 1600 | 260 | | 260 | | 210 | | 120 | | 290 | | 110 | |
| Mercury, Total | 0.81 | 0.18 | 0.07 | U | 0.07 | U | 0.09 | | **1.7** | | 0.04 | J | 0.08 | U |
| Nickel, Total | 310 | 30 | 18 | | 22 | | 14 | | **220** | | 21 | | 6.9 | |
| Potassium, Total | NA | NA | 5900 | | 7800 | | 4000 | | 4300 | | 7600 | | 770 | |
| Selenium, Total | 180 | 3.9 | 1.7 | U | 1.6 | U | 1.7 | U | **10** | | 1.7 | U | 0.3 | J |
| Silver, Total | 180 | 2 | 0.87 | U | 0.79 | U | 0.84 | U | 0.69 | J | 0.86 | U | 0.86 | U |
| Sodium, Total | NA | NA | 280 | | 230 | | 520 | | 2400 | | 260 | | 230 | |
| Vanadium, Total | NA | NA | 34 | | 37 | | 28 | | 2400 | | 43 | | 18 | |
| Zinc, Total | 10000 | 109 | 68 | | 51 | | 74 | | **760** | | 65 | | 30 | |

Notes:

Qual - Qualifier
J - The concentration given is an approximate value.
U - The compound was not detected at the indicated concentration.
NA - Standard not available
RRSCO - Resistricted Residential Soil Cleanup Objectives
URSCO - Unrestricted Use Soil Cleanup Objectives
**760** Indicates the sample results are above the Unrestricted Use Criteria
**1.7** Indicates the sample results are above the Restricted Residential Criteria
mg/kg - milligrams per kilogram

# Table 2 - Groundwater Analytical Results

233 Landing Road
Bronx, New York

| LOCATION<br>SAMPLING DATE<br>LAB SAMPLE ID<br>UNITS | NY-AWQS<br>ug/l | TW-1<br>4/24/2014<br>L1408689-07<br>ug/l | | FIELD BLANK<br>4/24/2014<br>L1408689-08<br>ug/l | | TRIP BLANK<br>4/24/2014<br>L1408689-09<br>ug/l | |
|---|---|---|---|---|---|---|---|
| | | Results | Qual | Results | Qual | Results | Qual |
| **VOCs** | | | | | | | |
| Acetone | 50 | 6 | | - | | 5 | U |
| Chloroform | 7 | 4.5 | | - | | 2.5 | U |
| **SVOCs** | | | | | | | |
| 2-Methylnaphthalene | | 0.11 | J | 0.2 | U | - | |
| Acetophenone | | 2.6 | J | 5 | U | - | |
| Naphthalene | 10 | 0.07 | J | 0.2 | U | - | |
| **Pesticides** | | ***No Pesticides Detected*** | | | | | |
| **PCBs** | | ***No PCBs Detected*** | | | | | |
| **Total Metals** | | | | | | | |
| Aluminum, Total | | 7530 | | 2.6 | J | - | |
| Antimony, Total | 3 | 0.84 | J | 1.42 | J | - | |
| Arsenic, Total | 25 | 5.88 | | 0.14 | J | - | |
| Barium, Total | 1000 | 535.8 | | 0.5 | U | - | |
| Beryllium, Total | 3 | 1.67 | | 0.5 | U | - | |
| Cadmium, Total | 5 | 0.63 | | 0.2 | U | - | |
| Calcium, Total | | 40000 | | 100 | U | - | |
| Chromium, Total | 50 | 33.84 | | 1 | U | - | |
| Cobalt, Total | | 25.07 | | 0.2 | U | - | |
| Copper, Total | 200 | 73.83 | | 0.51 | J | - | |
| Iron, Total | 300 | **22500** | | 50 | U | - | |
| Lead, Total | 25 | **27.6** | | 1 | U | - | |
| Magnesium, Total | 35000 | 12600 | | 70 | U | - | |
| Manganese, Total | 300 | **603.4** | | 0.5 | U | - | |
| Mercury, Total | 0.7 | 0.08 | J | 0.2 | U | - | |
| Nickel, Total | 100 | 42.37 | | 0.5 | U | - | |
| Potassium, Total | | 5470 | | 100 | U | - | |
| Selenium, Total | 10 | 8.22 | | 5 | U | - | |
| Silver, Total | 50 | 0.4 | U | 0.4 | U | - | |
| Sodium, Total | 20000 | **21800** | | 45 | J | - | |
| Thallium, Total | 0.5 | 0.17 | J | 0.5 | U | - | |
| Vanadium, Total | | 36.75 | | 5 | U | - | |
| Zinc, Total | 2000 | 176.9 | | 11.69 | | - | |

Notes:
Qual - Qualifier
U - The compound was not detected at the indicated concentration.
J - The concentration given is an approximate value.
**27.6** This value exceeds NYDEC Ambient Ground Water Standards.
AWQS Ambient Water Quality Standards
ug/l - migcrgrams per liter

# Table 3 - Soil Gas Analytical Results

233 Landing Road

Bronx, New York

| LAB SAMPLE ID<br>LOCATION<br>SAMPLING DATE | NYSDOH Soil Vapor Intrusion Guidance Criteria | | | | L1408726-01<br>SG-1<br>4/24/2014 | |
|---|---|---|---|---|---|---|
| **UNITS** | **ug/m$^3$** | **ug/m$^3$** | **ug/m$^3$** | **ug/m$^3$** | **ug/m$^3$** | |
| | **1** | **2** | **3** | **4** | **Results** | **Qual** |
| **VOCs** | | | | | | |
| 1,2,4-Trimethylbenzene | 9.8 | 9.5 | - | - | 6.1 | |
| 1,3,5-Trimethylbenzene | 3.9 | 3.7 | - | - | 1.75 | |
| 1,3-Butadiene | - | <3.0 | - | - | **10.7** | |
| 2-Butanone | 16 | 12 | - | - | 11.6 | |
| 2-Hexanone | - | - | - | - | 1.73 | |
| 4-Ethyltoluene | - | 3.6 | - | - | 1.67 | |
| 4-Methyl-2-pentanone | 1.9 | 6 | - | - | **3.15** | |
| Acetone | 115 | 98.9 | 45.8 | - | **382** | |
| Benzene | 13 | 9.4 | 10 | - | **29.8** | |
| Bromodichloromethane | - | - | - | - | 1.75 | |
| Carbon disulfide | - | 4.2 | - | - | **112** | |
| Chloroethane | 0.4 | <1.1 | - | - | 1.32 | |
| Chloroform | 1.2 | 1.1 | 6.34 | - | 1.71 | |
| Chloromethane | 4.2 | 3.7 | - | - | **6.67** | |
| Cyclohexane | 6.3 | - | - | - | 12.5 | |
| Dichlorodifluoromethane | 10 | 16.5 | - | - | 1.81 | |
| Ethanol | 1300 | 210 | - | - | 46.5 | |
| Ethylbenzene | 6.4 | 5.7 | 7.62 | - | 5.13 | |
| Heptane | 18 | - | - | - | 15 | |
| Methyl tert butyl ether | 14 | 11.5 | 36 | - | 2.96 | |
| n-Hexane | 14 | 10.2 | - | - | **32** | |
| o-Xylene | 7.1 | 7.9 | 7.24 | - | 5.65 | |
| p/m-Xylene | 11 | 22.2 | 22.2 | - | **12.2** | |
| Styrene | 1.4 | 1.9 | 5.13 | - | 0.877 | |
| Tetrachloroethene | 2.5 | 15.9 | 6.01 | 30 | **5.55** | |
| Toluene | 57 | 43 | - | - | 15.7 | |
| Trichloroethene | 0.5 | 4.2 | 1.36 | 5 | **8.06** | |
| Trichlorofluoromethane | 12 | 18.1 | - | - | 2.73 | |
| Vinyl chloride | 0.4 | <1.9 | - | - | **1.11** | |

Notes:

Qual - Qualifiers

J - Indicates estimated value for TICs and all results when detected below the RL.

U - Indicates compound analyzed for but not detected.

**1.11** Indicates the sample results are above one or more NYSDOH Soil Vapor Intrusion Guidance Criteria

ug/m$^3$ - microgram per cubic meter

NYSDOH Soil Vapor Intrusion Guidance Criteria

1 - Table C-1 2003 Upper Fence Study of Volatile Organic Chemicals in air of Fuel Oil Heated Homes for Indoor Air

2 - Table C-2 2001 USEPA BASE 90th Percentile for Indoor Air

3 - Table C-5 2005 Health Effects Institute 95th Percentile for Indoor Air

4 - NYSDOH Air Guidance Value

**Table 3 - Soil Gas Analytical Results**
233 Landing Road
Bronx, New York

# APPENDIX A

# LIMITATIONS

## SITE ASSESSMENT LIMITATIONS

1. The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by Client.

2. In preparing this report, GZA has relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to GZA at the time of the site assessment. Although there may have been some degree of overlap in the information provided by these various sources, GZA did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.

3. In the event that bank counsel or title examiner for Client obtains information on environmental or hazardous waste issues at the site not contained in this report, such information shall be brought to GZA's attention forthwith. GZA will evaluate such information and, on the basis of this evaluation, may modify the conclusions stated in this report.

4. Observations were made of the site and of structures on the site as indicated within the report. Where access to portions of the site or to structures on the site was unavailable or limited, GZA renders no opinion as to the presence of hazardous materials, or to the presence of indirect evidence relating to hazardous materials, in that portion of the site or structure. In addition, GZA renders no opinion as to the presence of hazardous material, where direct observation of the interior walls, floor or ceiling of a structure on a site was obstructed by objects or coverings on or over these surfaces.

5. Unless otherwise specified in the report, GZA did not perform testing or analyses to determine the presence or concentrations of asbestos or polychlorinated biphenyls (PCBs) at the site or in the environment at the Site.

6. The purpose of this report was to assess the physical characteristics of the subject site with respect to the presence in the environment of petroleum products or hazardous materials. No specific attempt was made to check on the compliance of present or past owners or operators of the site with federal, state, or local laws and regulations, environmental or otherwise.

7. Except as noted within the text of this report, no quantitative laboratory test was performed as part of the site assessment. Where such analyses have been conducted by an outside laboratory. GZA has relied upon the data provided, and has not conducted an independent evaluation of the reliability of these data.

# APPENDIX B

# APPENDIX C

**New York State Department of Environmental Conservation**
**Division of Environmental Enforcement**
**Bureau of Superfund and Brownfield Restoration**
625 Broadway, 14th Floor
Albany, New York 12233-5550
**Phone:** (518) 402-9512 • **FAX:** (518) 402-9019
**Website:** www.dec.state.ny.us

Denise M. Sheehan
Acting
Commissioner

September 12, 2005

Michael A. Wilcken, Esq.
Law Department
Consolidated Edison Company of New York, Inc
4 Irving Place
New York, NY 10003

Re: Voluntary Cleanup Site
Kingsbridge Holder Station
Bronx, NY # V00559

Dear Mr. Wilcken:

Unless otherwise specified in this letter, all terms used herein shall have the meaning assigned to them under the terms of the Voluntary Agreement entered into between the New York State Department of Environmental Conservation (the "Department") and Consolidated Edison Company of New York, Inc. ("Volunteer"), Index No. D2-0003-02-08 (the "Agreement").

The Department is pleased to report that the Department is satisfied that the Agreement's approved Work Plan relative to the Site, located at 233 Landing Road in the City of New York, Bronx County, further identified as block 3236, lots 24 and 45, a map of which is attached hereto as Appendix "A" (the "Site"), has been successfully implemented.

**Assignable Release and Covenant Not To Sue**:

The Department, therefore, hereby releases, covenants not to sue, and shall forbear from bringing any action, proceeding, or suit pursuant to the Environmental Conservation Law, the Navigation Law or State Finance Law, and from referring to the Attorney General any claim for recovery of costs incurred by the Department, against Volunteer and Volunteer's lessees and sublesses, grantees, successors and assigns, and their respective secured creditors, for the further investigation and remediation of the Site, based upon the release or threatened release of Covered Contamination, provided that (a) timely payments of the amounts specified in Paragraph VI of the Agreement continue to be or have been made to the Department, (b) appropriate deed restrictions remain recorded in accordance with Paragraphs X of the Agreement, and (c) Volunteer and/or its lessees, sublessees, successors, or assigns promptly commence and diligently pursue to completion the Work Plan providing for OM&M, if any. Nonetheless, the Department hereby reserves all of its respective rights concerning, and such release, covenant not to sue, and forbearance shall not

extend to natural resource damages nor any further investigation or remedial action the Department deems necessary:

(i) due to migration off-Site of contaminants resulting in impacts to environmental resources, to human health, or to other biota that are not inconsequential and to the off-Site migration of petroleum

(ii) due to environmental conditions or information related to the Site which were unknown to the Department at the time this Release and Covenant not to Sue was issued and which indicate that the Contemplated Use cannot be implemented with sufficient protection of human health and the environment;

(iii) due to Volunteer's failure to implement the Agreement to the Department's satisfaction;

(iv) due to fraud committed by Volunteer in entering into or implementing this Agreement.

Additionally, the Department hereby reserves all of its rights concerning, and any such release, covenant not to sue, and forbearance shall not extend to Volunteer nor to any of Volunteer's lessees, sublessees, successors, or assigns who cause or allow a release or threat of release at the Site of any hazardous substance (as that term is defined at 42 USC 9601[14]) or petroleum (as that term is defined in Navigation Law Section 172[15]), other than Covered Contamination; or or cause or allow the use of the Site to change from the Contemplated Uses to one requiring a lower level of residual contamination before that use can be implemented with sufficient protection of human health and the environment; nor to any of Volunteer's lessees, sublessees, successors, or assigns who is otherwise a party responsible under law for the remediation of the Existing Contamination independent of any obligation that party may have respecting same established resulting solely from the Agreement's execution or such lessee's, sublessee's, successor's, or assign's present ownership or operation of the Site.

Notwithstanding the above, however, with respect to any claim or cause of action asserted by the Department, the one seeking the benefit of this release, covenant not to sue, and forbearance shall bear the burden of proving that the claim or cause of action, or any part thereof, is attributable solely to Covered Contamination.

Notwithstanding any other provision in this release, covenant not to sue, and forbearance,

- if with respect to the Site there exists or may exist a claim of any kind or nature on the part of the New York State Environmental Protection and Spill Compensation Fund against any party, nothing in this release shall be construed, or deemed, to preclude the State of New York from recovering such claim.

- except as provided in this letter and in this Agreement, nothing contained in the Agreement or in this letter shall be construed as barring, diminishing, adjudicating, or in any way affecting any of the Department's rights (including, but not limited to, the right to recover natural resources damages) with respect to any party, including Volunteers.

- nothing contained in this letter shall prejudice any rights of the Department to take any investigatory or remedial action it may deem necessary if Volunteer fails to comply with the Agreement or if contamination other than Existing Contamination is encountered at the Site.

- nothing contained in this letter shall be construed to prohibit the Commissioner or her duly authorized representative from exercising any summary abatement powers.

- nothing contained in this letter shall be construed to affect the Department's right to terminate the Agreement under the terms of the Agreement at any time during its implementation if Volunteer fails to comply substantially with the Agreement's terms and conditions.

In conclusion, the Department is pleased to be part of this effort to return the Site to productive use of benefit to the entire community.

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

By: _____
Anthony B. Quartararo
Bureau Chief
Bureau of Superfund and Brownfield Restoration

cc: E. Armater
T. Kunkel
D. Walsh
B. Schick
G. Laccetti, DOH

edms 210491

# APPENDIX D

# GEOPROBE LOG

**GZA GeoEnvironmental, Inc.**
*Engineers and Scientists*

**233 Landing Road**
**Bronx, NY**

**EXPLORATION NO.:** GZA-1
**SHEET:** 1 of 1
**PROJECT NO:** 12.0076232.00
**REVIEWED BY:** B. Engard

**Logged By:** M. Matone
**Drilling Co.:** EG&R
**Foreman:** J. Cesaro

**Geoprobe Location:** See Plan
**Ground Surface Elev. (ft.):**
**Final Geoprobe Depth (ft.):** 13
**Date Start - Finish:** 4/24/2014 - 4/24/2014

**H. Datum:**
**V. Datum:**

**Type of Rig:** Geoprobe
**Rig Model:** 7822DT
**Drilling Method:** Direct Push

**Sampler Type:**
**Sampler O.D. (in.):**
**Sampler Length (in.):**
**Rock Core Size:**

| Groundwater Depth (ft.) | | | |
|---|---|---|---|
| Date | Time | Water Depth | Stab. Time |
| | | | |

| Depth (ft) | Sample No. | Sample Depth (ft.) | Pen. (in) | Rec. (in) | PID (ppm) | Sample Description Modified Burmister | Remark | Elev. (ft.) | Stratum Description | Depth (ft.) |
|---|---|---|---|---|---|---|---|---|---|---|
| | S-1 | 0-5 | 60 | 30 | | S-1: 2" Asphalt, brown Silty SAND with Gravel, FILL, dry. | | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | 0.0 | | 1 | | | |
| 4 | | | | | | | | | | |
| 5 | S-2 | 5-10 | 60 | 30 | | S-2: Gray-brown, fine to coarse SAND and GRAVEL, dry. | 2 | | FILL | |
| 6 | | | | | | | | | | |
| 7 | | | | | 0.0 | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | S-3 | 10-13 | 60 | 24 | | S-3: Weathered Bedrock, Bedrock/Boulder, dry. | 3 | | | 10 |
| 11 | | | | | | | | | WEATHERED BEDROCK | |
| 12 | | | | | 0.0 | | | | | 12 |
| 13 | | | | | | | | | BEDROCK/BOULDER | 13 |
| | | | | | | End of Exploration at 13 feet bgs. | 4 | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |
| 17 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 19 | | | | | | | | | | |
| 20 | | | | | | | | | | |

**REMARKS**

1 - Sampled soils GZA-1 (0.5-1.5' bgs) PCBs, VOCs, TAL Metals.
2 - Installed soil gas point SG-1 at 5' bgs.
3 - Sampled soils GZA-1 (10-11' bgs) PCBs, SVOCs, TAL Metals.
4 - Refusal at 13' bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

**GZA-1**

GZA TEMPLATE GEOPROBE; 5/15/2014; 12:38:21 PM

# GEOPROBE LOG

**GZA GeoEnvironmental, Inc.**
*Engineers and Scientists*

**233 Landing Road**
**Bronx, NY**

**EXPLORATION NO.:** GZA-2
**SHEET:** 1 of 1
**PROJECT NO:** 12.0076232.00
**REVIEWED BY:** B. Engard

**Logged By:** M. Matone
**Drilling Co.:** EG&R
**Foreman:** J. Cesaro

**Geoprobe Location:** See Plan
**Ground Surface Elev. (ft.):**
**Final Geoprobe Depth (ft.):** 14
**Date Start - Finish:** 4/24/2014 - 4/24/2014

**H. Datum:**
**V. Datum:**

**Type of Rig:** Geoprobe
**Rig Model:** 7822DT
**Drilling Method:** Direct Push

**Sampler Type:**
**Sampler O.D. (in.):**
**Sampler Length (in.):**
**Rock Core Size:**

| Groundwater Depth (ft.) | | | |
|---|---|---|---|
| Date | Time | Water Depth | Stab. Time |
| | | | |

| Depth (ft) | Sample No. | Sample Depth (ft.) | Pen. (in) | Rec. (in) | PID (ppm) | Sample Description Modified Burmister | Remark | Elev. (ft.) | Stratum Description | Depth (ft.) |
|---|---|---|---|---|---|---|---|---|---|---|
| | S-1 | 0-5 | 60 | 30 | | S-1: Asphalt, brown/gray/tan, fine to coarse SAND, brick, FILL, dry. | | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | 0.0 | | 1 | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| | S-2 | 5-10 | 60 | 18 | | S-2: Medium dense to loose, medium SAND with pebbles and gravel, dry. | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | 0.0 | | | | FILL | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| | S-3 | 10-14 | 60 | 8 | | S-3: Black/dark-green GRAVEL with Sand, wood fragments, wet. | 2 | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | 0.0 | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | 14 |
| | | | | | | End of Exploration at 14 feet bgs. | 3 | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |
| 17 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 19 | | | | | | | | | | |
| 20 | | | | | | | | | | |

**REMARKS**

1 - Sample GZA-2 (0.5-1.5') bgs PCBs, SVOCs, TAL Metals.
2 - Sample GZA-2 (10-11' bgs) PCBs, VOCs, TAL Metals.
3 - Refusal at 14 ' bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

**GZA-2**

GZA TEMPLATE GEOPROBE; 5/15/2014; 12:38:22 PM

# GEOPROBE LOG

**GZA GeoEnvironmental, Inc.**
*Engineers and Scientists*

**233 Landing Road**
**Bronx, NY**

**EXPLORATION NO.:** GZA-3
**SHEET:** 1 of 1
**PROJECT NO:** 12.0076232.00
**REVIEWED BY:** B. Engard

**Logged By:** M. Matone
**Drilling Co.:** EG&R
**Foreman:** J. Cesaro

**Geoprobe Location:** See Plan
**Ground Surface Elev. (ft.):**
**Final Geoprobe Depth (ft.):** 13
**Date Start - Finish:** 4/24/2014 - 4/24/2014

**H. Datum:**
**V. Datum:**

**Type of Rig:** Geoprobe
**Rig Model:** 7822DT
**Drilling Method:** Direct Push

**Sampler Type:**
**Sampler O.D. (in.):**
**Sampler Length (in.):**
**Rock Core Size:**

| Groundwater Depth (ft.) | | | |
|---|---|---|---|
| Date | Time | Water Depth | Stab. Time |
| | | | |

| Depth (ft) | Sample No. | Sample Depth (ft.) | Pen. (in) | Rec. (in) | PID (ppm) | Sample Description Modified Burmister | Remark | Elev. (ft.) | Stratum Description | Depth (ft.) |
|---|---|---|---|---|---|---|---|---|---|---|
| | S-1 | 0-5 | 60 | 30 | | S-1: Gray-brown GRAVEL and fine to coarse SAND, FILL, dry. | | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | 0.0 | | 1 | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| | S-2 | 5-10 | 60 | 18 | | S-2: GRAVEL, some Sand, brick, FILL, dry. | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | 0.0 | | | | FILL | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| | S-3 | 10-13 | 60 | 4 | | S-3: GRAVEL, some Sand, FILL, dry. | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | 0.0 | | | | | |
| 13 | | | | | | | | | | 13 |
| | | | | | | End of Exploration at 13 feet bgs. | 2 | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |
| 17 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 19 | | | | | | | | | | |
| 20 | | | | | | | | | | |

**REMARKS**

1 - GZA-3 (0.5-1.5' bgs) collected for PCBs, SVOCs, TAL Metals.
2 - Refusal at 13' bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

**GZA-3**

GZA TEMPLATE GEOPROBE; 5/15/2014; 12:38:23 PM

# GEOPROBE LOG

**GZA GeoEnvironmental, Inc.**
*Engineers and Scientists*

**233 Landing Road**
**Bronx, NY**

**EXPLORATION NO.:** GZA-4
**SHEET:** 1 of 1
**PROJECT NO:** 12.0076232.00
**REVIEWED BY:** B. Engard

**Logged By:** M. Matone
**Drilling Co.:** EG&R
**Foreman:** J. Cesaro

**Geoprobe Location:** See Plan
**Ground Surface Elev. (ft.):**
**Final Geoprobe Depth (ft.):** 11.5
**Date Start - Finish:** 4/24/2014 - 4/24/2014

**H. Datum:**
**V. Datum:**

**Type of Rig:** Geoprobe
**Rig Model:** 7822DT
**Drilling Method:** Direct Push

**Sampler Type:**
**Sampler O.D. (in.):**
**Sampler Length (in.):**
**Rock Core Size:**

| Groundwater Depth (ft.) | | | |
|---|---|---|---|
| Date | Time | Water Depth | Stab. Time |
| | | | |

| Depth (ft) | Sample No. | Sample Depth (ft.) | Pen. (in) | Rec. (in) | PID (ppm) | Sample Description Modified Burmister | Remark | Elev. (ft.) | Stratum Description | Depth (ft.) |
|---|---|---|---|---|---|---|---|---|---|---|
| | S-1 | 0-5 | 60 | 30 | | S-1: Asphalt, crushed stone, FILL. | | | | |
| 1 | | | | | | | 1 | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | 0.0 | | | | | |
| 4 | | | | | | | 11.5 | | | |
| 5 | | | | | | | | | | |
| | S-2 | 5-10 | 60 | 30 | | S-2: Gray-tan, fine to coarse SAND and GRAVEL. | | | | |
| 6 | | | | | | | | | FILL | |
| 7 | | | | | 0.0 | | | | | |
| 8 | | | | | | | 2 | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| | S-3 | 10-11.5 | 60 | 8 | | S-3: Brown, fine to medium SAND, some Gravel, some Silt, Mica. | | | | |
| 11 | | | | | 0.0 | | | | | 11.5 |
| 12 | | | | | | End of Exploration at 11.5 feet bgs. | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |
| 17 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 19 | | | | | | | | | | |
| 20 | | | | | | | | | | |

**REMARKS**

1 - Sample GZA-4 collected (0.5-1.5' bgs) PCBS, SVOCs, TAL Metals.
11.5 - Refusal at 11.5' bgs.
2 - Drill rod broke while driving to 10'; step off and finish drilling.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

**GZA-4**

GZA TEMPLATE GEOPROBE; 5/15/2014; 12:38:24 PM

# APPENDIX E

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1408689 |
| Client: | GZA GeoEnvironmental, Inc.<br>55 Lane Road<br>Suite 407<br>Fairfield, NJ 07004 |
| ATTN: | Benjamin Alter |
| Phone: | (973) 774-3300 |
| Project Name: | 233 LANDING RD |
| Project Number: | 12.0076232.00 |
| Report Date: | 05/01/14 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1408689-01 | GZA-1 0.5-1.5 | 233 LANDING RD. BRONX, NY | 04/24/14 09:05 |
| L1408689-02 | GZA-1 10-11 | 233 LANDING RD. BRONX, NY | 04/24/14 09:15 |
| L1408689-03 | GZA-2 0.5-1.5 | 233 LANDING RD. BRONX, NY | 04/24/14 09:35 |
| L1408689-04 | GZA-2 10-11 | 233 LANDING RD. BRONX, NY | 04/24/14 09:40 |
| L1408689-05 | GZA-3 0.5-1.5 | 233 LANDING RD. BRONX, NY | 04/24/14 10:25 |
| L1408689-06 | GZA-4 0.5-1.5 | 233 LANDING RD. BRONX, NY | 04/24/14 10:40 |
| L1408689-07 | TW-1 | 233 LANDING RD. BRONX, NY | 04/24/14 11:30 |
| L1408689-08 | FIELD BLANK | 233 LANDING RD. BRONX, NY | 04/24/14 12:00 |
| L1408689-09 | TRIP BLANK | 233 LANDING RD. BRONX, NY | 04/24/14 00:00 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689
**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

**Project Name:** 233 LANDING RD **Lab Number:** L1408689
**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

**Case Narrative (continued)**

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L1408689-06 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

Total Metals

L1408689-01 through -06 have elevated detection limits for all elements, with the exception of mercury, due to the analytical dilutions required by matrix interferences encountered during analysis.

L1408689-08: The Field Blank has a concentration above the reporting limit for zinc.

The WG685494-4 MS recoveries for aluminum (1760%), calcium (717%), iron (3520%), magnesium (540%), manganese (164%), and potassium (305%), performed on L1408689-01, do not apply because the sample concentration is greater than four times the spike amount added.

The WG685494-4 MS recovery, performed on L1408689-01, is outside the acceptance criteria for thallium (73%). A post digestion spike was performed and was within acceptance criteria.

The WG685494-3 Laboratory Duplicate RPDs, performed on L1408689-01, are outside the acceptance criteria for aluminum (26%), cobalt (29%), copper (23%), lead (71%), and manganese (24%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the Laboratory Duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 05/01/14

# ORGANICS

# VOLATILES

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-07 | Date Collected: | 04/24/14 11:30 |
| Client ID: | TW-1 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | | |
| Analytical Method: | 1,8260C | | |
| Analytical Date: | 04/29/14 15:00 | | |
| Analyst: | PD | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloroform | 4.5 | | ug/l | 2.5 | 0.70 | 1 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.13 | 1 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 | 1 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.14 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.33 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.14 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-07 Date Collected: 04/24/14 11:30

Client ID: TW-1 Date Received: 04/24/14

Sample Location: 233 LANDING RD. BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | 6.0 | | ug/l | 5.0 | 1.0 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Naphthalene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dioxane | ND | | ug/l | 250 | 41. | 1 |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 | 1 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-07 | Date Collected: | 04/24/14 11:30 |
| Client ID: | TW-1 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.65 | 1 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 84 | | 70-130 |
| Dibromofluoromethane | 101 | | 70-130 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-09 | Date Collected: | 04/24/14 00:00 |
| Client ID: | TRIP BLANK | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | | |
| Analytical Method: | 1,8260C | | |
| Analytical Date: | 04/29/14 14:30 | | |
| Analyst: | PD | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 | 1 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.13 | 1 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 | 1 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.14 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.33 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.14 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-09 Date Collected: 04/24/14 00:00

Client ID: TRIP BLANK Date Received: 04/24/14

Sample Location: 233 LANDING RD. BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Naphthalene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dioxane | ND | | ug/l | 250 | 41. | 1 |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 | 1 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-09 | Date Collected: | 04/24/14 00:00 |
| Client ID: | TRIP BLANK | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.65 | 1 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | | 70-130 |
| Toluene-d8 | 103 | | 70-130 |
| 4-Bromofluorobenzene | 86 | | 70-130 |
| Dibromofluoromethane | 101 | | 70-130 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/14 10:00
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG685909-3 | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 |
| 2-Chloroethylvinyl ether | ND | | ug/l | 10 | 0.70 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.13 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.14 |
| Benzene | ND | | ug/l | 0.50 | 0.16 |
| Toluene | ND | | ug/l | 2.5 | 0.70 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.33 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.14 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.17 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/14 10:00
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG685909-3 | | | | | |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 |
| Diisopropyl Ether | ND | | ug/l | 2.0 | 0.65 |
| Tert-Butyl Alcohol | ND | | ug/l | 10 | 1.2 |
| Styrene | ND | | ug/l | 2.5 | 0.70 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 |
| Acetone | ND | | ug/l | 5.0 | 1.0 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.0 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/14 10:00
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG685909-3 | | | | | |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 |
| Naphthalene | ND | | ug/l | 2.5 | 0.70 |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl Acetate | ND | | ug/l | 2.0 | 0.23 |
| Ethyl Acetate | ND | | ug/l | 10 | 0.70 |
| Cyclohexane | ND | | ug/l | 10 | 0.24 |
| Ethyl-Tert-Butyl-Ether | ND | | ug/l | 2.5 | 0.70 |
| Tertiary-Amyl Methyl Ether | ND | | ug/l | 2.0 | 0.28 |
| 1,4-Dioxane | ND | | ug/l | 250 | 41. |
| Freon-113 | ND | | ug/l | 2.5 | 0.70 |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.65 |
| Tetrahydrofuran | ND | | ug/l | 5.0 | 1.5 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 |
| Methyl cyclohexane | ND | | ug/l | 10 | 0.29 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 85 | | 70-130 |
| Dibromofluoromethane | 102 | | 70-130 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG685909-1 WG685909-2 | | | | | | | | |
| Methylene chloride | 105 | | 103 | | 70-130 | 2 | | 20 |
| 1,1-Dichloroethane | 111 | | 107 | | 70-130 | 4 | | 20 |
| Chloroform | 113 | | 109 | | 70-130 | 4 | | 20 |
| 2-Chloroethylvinyl ether | 79 | | 84 | | 70-130 | 6 | | 20 |
| Carbon tetrachloride | 107 | | 102 | | 63-132 | 5 | | 20 |
| 1,2-Dichloropropane | 108 | | 106 | | 70-130 | 2 | | 20 |
| Dibromochloromethane | 91 | | 91 | | 63-130 | 0 | | 20 |
| 1,1,2-Trichloroethane | 100 | | 102 | | 70-130 | 2 | | 20 |
| Tetrachloroethene | 102 | | 96 | | 70-130 | 6 | | 20 |
| Chlorobenzene | 101 | | 98 | | 75-130 | 3 | | 20 |
| Trichlorofluoromethane | 111 | | 106 | | 62-150 | 5 | | 20 |
| 1,2-Dichloroethane | 102 | | 103 | | 70-130 | 1 | | 20 |
| 1,1,1-Trichloroethane | 110 | | 105 | | 67-130 | 5 | | 20 |
| Bromodichloromethane | 99 | | 98 | | 67-130 | 1 | | 20 |
| trans-1,3-Dichloropropene | 102 | | 104 | | 70-130 | 2 | | 20 |
| cis-1,3-Dichloropropene | 93 | | 92 | | 70-130 | 1 | | 20 |
| 1,1-Dichloropropene | 111 | | 106 | | 70-130 | 5 | | 20 |
| Bromoform | 85 | | 88 | | 54-136 | 3 | | 20 |
| 1,1,2,2-Tetrachloroethane | 86 | | 91 | | 67-130 | 6 | | 20 |
| Benzene | 106 | | 102 | | 70-130 | 4 | | 20 |
| Toluene | 106 | | 101 | | 70-130 | 5 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG685909-1 WG685909-2 | | | | | | | | |
| Ethylbenzene | 112 | | 107 | | 70-130 | 5 | | 20 |
| Chloromethane | 114 | | 107 | | 64-130 | 6 | | 20 |
| Bromomethane | 43 | | 44 | | 39-139 | 2 | | 20 |
| Vinyl chloride | 103 | | 97 | | 55-140 | 6 | | 20 |
| Chloroethane | 122 | | 115 | | 55-138 | 6 | | 20 |
| 1,1-Dichloroethene | 110 | | 106 | | 61-145 | 4 | | 20 |
| trans-1,2-Dichloroethene | 107 | | 103 | | 70-130 | 4 | | 20 |
| Trichloroethene | 103 | | 99 | | 70-130 | 4 | | 20 |
| 1,2-Dichlorobenzene | 96 | | 95 | | 70-130 | 1 | | 20 |
| 1,3-Dichlorobenzene | 104 | | 100 | | 70-130 | 4 | | 20 |
| 1,4-Dichlorobenzene | 103 | | 100 | | 70-130 | 3 | | 20 |
| Methyl tert butyl ether | 88 | | 92 | | 63-130 | 4 | | 20 |
| p/m-Xylene | 114 | | 108 | | 70-130 | 5 | | 20 |
| o-Xylene | 108 | | 103 | | 70-130 | 5 | | 20 |
| cis-1,2-Dichloroethene | 104 | | 103 | | 70-130 | 1 | | 20 |
| Dibromomethane | 92 | | 95 | | 70-130 | 3 | | 20 |
| 1,2,3-Trichloropropane | 99 | | 104 | | 64-130 | 5 | | 20 |
| Acrylonitrile | 103 | | 110 | | 70-130 | 7 | | 20 |
| Diisopropyl Ether | 120 | | 120 | | 70-130 | 0 | | 20 |
| Tert-Butyl Alcohol | **68** | Q | 78 | | 70-130 | 14 | | 20 |
| Styrene | 109 | | 105 | | 70-130 | 4 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG685909-1 WG685909-2 | | | | | | | | |
| Dichlorodifluoromethane | 119 | | 114 | | 36-147 | 4 | | 20 |
| Acetone | 100 | | 104 | | 58-148 | 4 | | 20 |
| Carbon disulfide | 112 | | 106 | | 51-130 | 6 | | 20 |
| 2-Butanone | 76 | | 82 | | 63-138 | 8 | | 20 |
| Vinyl acetate | 109 | | 114 | | 70-130 | 4 | | 20 |
| 4-Methyl-2-pentanone | 84 | | 93 | | 59-130 | 10 | | 20 |
| 2-Hexanone | 84 | | 93 | | 57-130 | 10 | | 20 |
| Bromochloromethane | 100 | | 101 | | 70-130 | 1 | | 20 |
| 2,2-Dichloropropane | 104 | | 98 | | 63-133 | 6 | | 20 |
| 1,2-Dibromoethane | 92 | | 94 | | 70-130 | 2 | | 20 |
| 1,3-Dichloropropane | 98 | | 100 | | 70-130 | 2 | | 20 |
| 1,1,1,2-Tetrachloroethane | 114 | | 110 | | 64-130 | 4 | | 20 |
| Bromobenzene | 82 | | 80 | | 70-130 | 2 | | 20 |
| n-Butylbenzene | 113 | | 106 | | 53-136 | 6 | | 20 |
| sec-Butylbenzene | 104 | | 98 | | 70-130 | 6 | | 20 |
| tert-Butylbenzene | 95 | | 90 | | 70-130 | 5 | | 20 |
| o-Chlorotoluene | 110 | | 105 | | 70-130 | 5 | | 20 |
| p-Chlorotoluene | 101 | | 96 | | 70-130 | 5 | | 20 |
| 1,2-Dibromo-3-chloropropane | 97 | | 97 | | 41-144 | 0 | | 20 |
| Hexachlorobutadiene | 93 | | 88 | | 63-130 | 6 | | 20 |
| Isopropylbenzene | 88 | | 83 | | 70-130 | 6 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG685909-1 WG685909-2 | | | | | | | | |
| p-Isopropyltoluene | 102 | | 97 | | 70-130 | 5 | | 20 |
| Naphthalene | 83 | | 88 | | 70-130 | 6 | | 20 |
| n-Propylbenzene | 102 | | 96 | | 69-130 | 6 | | 20 |
| 1,2,3-Trichlorobenzene | 87 | | 89 | | 70-130 | 2 | | 20 |
| 1,2,4-Trichlorobenzene | 107 | | 106 | | 70-130 | 1 | | 20 |
| 1,3,5-Trimethylbenzene | 114 | | 109 | | 64-130 | 4 | | 20 |
| 1,2,4-Trimethylbenzene | 104 | | 100 | | 70-130 | 4 | | 20 |
| Methyl Acetate | 96 | | 107 | | 70-130 | 11 | | 20 |
| Ethyl Acetate | 105 | | 114 | | 70-130 | 8 | | 20 |
| Cyclohexane | 124 | | 119 | | 70-130 | 4 | | 20 |
| Ethyl-Tert-Butyl-Ether | 104 | | 106 | | 70-130 | 2 | | 20 |
| Tertiary-Amyl Methyl Ether | 91 | | 95 | | 66-130 | 4 | | 20 |
| 1,4-Dioxane | 68 | | 74 | | 56-162 | 8 | | 20 |
| Freon-113 | 119 | | 114 | | 70-130 | 4 | | 20 |
| p-Diethylbenzene | 99 | | 94 | | 70-130 | 5 | | 20 |
| p-Ethyltoluene | 104 | | 99 | | 70-130 | 5 | | 20 |
| 1,2,4,5-Tetramethylbenzene | 100 | | 96 | | 70-130 | 4 | | 20 |
| Ethyl ether | 90 | | 94 | | 59-134 | 4 | | 20 |
| trans-1,4-Dichloro-2-butene | 71 | | 76 | | 70-130 | 7 | | 20 |
| Methyl cyclohexane | 103 | | 99 | | 70-130 | 4 | | 20 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 233 LANDING RD

**Project Number:** 12.0076232.00

**Lab Number:** L1408689

**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG685909-1 WG685909-2 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | | 99 | | 70-130 |
| Toluene-d8 | 104 | | 104 | | 70-130 |
| 4-Bromofluorobenzene | 85 | | 84 | | 70-130 |
| Dibromofluoromethane | 109 | | 109 | | 70-130 |

# SEMIVOLATILES

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-01 | Date Collected: | 04/24/14 09:05 |
| Client ID: | GZA-1 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/25/14 08:30 |
| Analytical Date: | 04/29/14 21:35 | | |
| Analyst: | RC | | |
| Percent Solids: | 88% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 150 | 39. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 61. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 35. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 52. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 61. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 62. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 59. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 57. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 50. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 40. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 48. | 1 |
| Fluoranthene | 310 | | ug/kg | 110 | 34. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 57. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 43. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 66. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 57. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 53. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 540 | 120 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 34. | 1 |
| Isophorone | ND | | ug/kg | 170 | 50. | 1 |
| Naphthalene | ND | | ug/kg | 190 | 62. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 45. | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 150 | 39. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 190 | 56. | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 190 | 49. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 190 | 37. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 190 | 36. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 190 | 46. | 1 |
| Diethyl phthalate | ND | | ug/kg | 190 | 40. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 190 | 48. | 1 |
| Benzo(a)anthracene | 170 | | ug/kg | 110 | 37. | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-01 Date Collected: 04/24/14 09:05

Client ID: GZA-1 0.5-1.5 Date Received: 04/24/14

Sample Location: 233 LANDING RD. BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)pyrene | 190 | | ug/kg | 150 | 46. | 1 |
| Benzo(b)fluoranthene | 220 | | ug/kg | 110 | 38. | 1 |
| Benzo(k)fluoranthene | 84 | J | ug/kg | 110 | 36. | 1 |
| Chrysene | 180 | | ug/kg | 110 | 37. | 1 |
| Acenaphthylene | ND | | ug/kg | 150 | 35. | 1 |
| Anthracene | 45 | J | ug/kg | 110 | 31. | 1 |
| Benzo(ghi)perylene | 160 | | ug/kg | 150 | 39. | 1 |
| Fluorene | ND | | ug/kg | 190 | 54. | 1 |
| Phenanthrene | 170 | | ug/kg | 110 | 37. | 1 |
| Dibenzo(a,h)anthracene | 38 | J | ug/kg | 110 | 36. | 1 |
| Indeno(1,2,3-cd)Pyrene | 140 | J | ug/kg | 150 | 42. | 1 |
| Pyrene | 290 | | ug/kg | 110 | 36. | 1 |
| Biphenyl | ND | | ug/kg | 430 | 62. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 49. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 53. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 52. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 50. | 1 |
| Dibenzofuran | ND | | ug/kg | 190 | 62. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 220 | 60. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 58. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 58. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 35. | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 190 | 54. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 56. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 61. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 56. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 400 | 58. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 260 | 61. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 900 | 260 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 490 | 68. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 40. | 1 |
| Phenol | ND | | ug/kg | 190 | 55. | 1 |
| 2-Methylphenol | ND | | ug/kg | 190 | 60. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 270 | 61. | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 190 | 61. | 1 |
| Benzoic Acid | ND | | ug/kg | 610 | 190 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 190 | 58. | 1 |
| Carbazole | ND | | ug/kg | 190 | 40. | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-01 | Date Collected: | 04/24/14 09:05 |
| Client ID: | GZA-1 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 58 | | 25-120 |
| Phenol-d6 | 60 | | 10-120 |
| Nitrobenzene-d5 | 57 | | 23-120 |
| 2-Fluorobiphenyl | 42 | | 30-120 |
| 2,4,6-Tribromophenol | 60 | | 0-136 |
| 4-Terphenyl-d14 | 36 | | 18-120 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-02 D | Date Collected: | 04/24/14 09:15 |
| Client ID: | GZA-1 10-11 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/25/14 08:30 |
| Analytical Date: | 04/30/14 21:59 | | |
| Analyst: | RC | | |
| Percent Solids: | 96% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 1400 | | ug/kg | 270 | 71. | 2 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 340 | 110 | 2 |
| Hexachlorobenzene | ND | | ug/kg | 200 | 64. | 2 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 310 | 96. | 2 |
| 2-Chloronaphthalene | ND | | ug/kg | 340 | 110 | 2 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 340 | 110 | 2 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 340 | 110 | 2 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 340 | 100 | 2 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 340 | 91. | 2 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 340 | 74. | 2 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 340 | 88. | 2 |
| Fluoranthene | 8800 | | ug/kg | 200 | 63. | 2 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 340 | 100 | 2 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 340 | 79. | 2 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 410 | 120 | 2 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 370 | 100 | 2 |
| Hexachlorobutadiene | ND | | ug/kg | 340 | 97. | 2 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 980 | 220 | 2 |
| Hexachloroethane | ND | | ug/kg | 270 | 62. | 2 |
| Isophorone | ND | | ug/kg | 310 | 91. | 2 |
| Naphthalene | 1000 | | ug/kg | 340 | 110 | 2 |
| Nitrobenzene | ND | | ug/kg | 310 | 82. | 2 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 270 | 72. | 2 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 340 | 100 | 2 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 340 | 90. | 2 |
| Butyl benzyl phthalate | ND | | ug/kg | 340 | 67. | 2 |
| Di-n-butylphthalate | ND | | ug/kg | 340 | 66. | 2 |
| Di-n-octylphthalate | ND | | ug/kg | 340 | 84. | 2 |
| Diethyl phthalate | ND | | ug/kg | 340 | 72. | 2 |
| Dimethyl phthalate | ND | | ug/kg | 340 | 87. | 2 |
| Benzo(a)anthracene | 3500 | | ug/kg | 200 | 67. | 2 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-02 D Date Collected: 04/24/14 09:15

Client ID: GZA-1 10-11 Date Received: 04/24/14

Sample Location: 233 LANDING RD. BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)pyrene | 2700 | | ug/kg | 270 | 84. | 2 |
| Benzo(b)fluoranthene | 3800 | | ug/kg | 200 | 69. | 2 |
| Benzo(k)fluoranthene | 1400 | | ug/kg | 200 | 65. | 2 |
| Chrysene | 3200 | | ug/kg | 200 | 67. | 2 |
| Acenaphthylene | ND | | ug/kg | 270 | 64. | 2 |
| Anthracene | 2100 | | ug/kg | 200 | 57. | 2 |
| Benzo(ghi)perylene | 1600 | | ug/kg | 270 | 71. | 2 |
| Fluorene | 1100 | | ug/kg | 340 | 98. | 2 |
| Phenanthrene | 8900 | | ug/kg | 200 | 67. | 2 |
| Dibenzo(a,h)anthracene | 410 | | ug/kg | 200 | 66. | 2 |
| Indeno(1,2,3-cd)Pyrene | 1700 | | ug/kg | 270 | 76. | 2 |
| Pyrene | 6800 | | ug/kg | 200 | 67. | 2 |
| Biphenyl | 120 | J | ug/kg | 780 | 110 | 2 |
| 4-Chloroaniline | ND | | ug/kg | 340 | 90. | 2 |
| 2-Nitroaniline | ND | | ug/kg | 340 | 97. | 2 |
| 3-Nitroaniline | ND | | ug/kg | 340 | 95. | 2 |
| 4-Nitroaniline | ND | | ug/kg | 340 | 93. | 2 |
| Dibenzofuran | 940 | | ug/kg | 340 | 110 | 2 |
| 2-Methylnaphthalene | 440 | | ug/kg | 410 | 110 | 2 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 340 | 110 | 2 |
| Acetophenone | ND | | ug/kg | 340 | 110 | 2 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 200 | 65. | 2 |
| P-Chloro-M-Cresol | ND | | ug/kg | 340 | 99. | 2 |
| 2-Chlorophenol | ND | | ug/kg | 340 | 100 | 2 |
| 2,4-Dichlorophenol | ND | | ug/kg | 310 | 110 | 2 |
| 2,4-Dimethylphenol | ND | | ug/kg | 340 | 100 | 2 |
| 2-Nitrophenol | ND | | ug/kg | 740 | 110 | 2 |
| 4-Nitrophenol | ND | | ug/kg | 480 | 110 | 2 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1600 | 470 | 2 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 890 | 120 | 2 |
| Pentachlorophenol | ND | | ug/kg | 270 | 73. | 2 |
| Phenol | ND | | ug/kg | 340 | 100 | 2 |
| 2-Methylphenol | ND | | ug/kg | 340 | 110 | 2 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 490 | 110 | 2 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 340 | 110 | 2 |
| Benzoic Acid | ND | | ug/kg | 1100 | 350 | 2 |
| Benzyl Alcohol | ND | | ug/kg | 340 | 100 | 2 |
| Carbazole | 1300 | | ug/kg | 340 | 74. | 2 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1408689-02 | D | Date Collected: | 04/24/14 09:15 |
| Client ID: | GZA-1 10-11 | | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 38 | | 25-120 |
| Phenol-d6 | 63 | | 10-120 |
| Nitrobenzene-d5 | 58 | | 23-120 |
| 2-Fluorobiphenyl | 60 | | 30-120 |
| 2,4,6-Tribromophenol | 26 | | 0-136 |
| 4-Terphenyl-d14 | 58 | | 18-120 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-03 | Date Collected: | 04/24/14 09:35 |
| Client ID: | GZA-2 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/25/14 08:30 |
| Analytical Date: | 04/29/14 22:30 | | |
| Analyst: | RC | | |
| Percent Solids: | 91% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 140 | 37. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 180 | 60. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 34. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 160 | 51. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 180 | 59. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 180 | 60. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 180 | 57. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 180 | 55. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 180 | 48. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 180 | 39. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 180 | 46. | 1 |
| Fluoranthene | 210 | | ug/kg | 110 | 33. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 180 | 55. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 180 | 42. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 64. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 55. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 180 | 51. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 520 | 120 | 1 |
| Hexachloroethane | ND | | ug/kg | 140 | 33. | 1 |
| Isophorone | ND | | ug/kg | 160 | 48. | 1 |
| Naphthalene | ND | | ug/kg | 180 | 60. | 1 |
| Nitrobenzene | ND | | ug/kg | 160 | 43. | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 140 | 38. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 180 | 54. | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 180 | 48. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 180 | 36. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 180 | 35. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 180 | 45. | 1 |
| Diethyl phthalate | ND | | ug/kg | 180 | 38. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 46. | 1 |
| Benzo(a)anthracene | 180 | | ug/kg | 110 | 36. | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-03 Date Collected: 04/24/14 09:35

Client ID: GZA-2 0.5-1.5 Date Received: 04/24/14

Sample Location: 233 LANDING RD. BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)pyrene | 280 | | ug/kg | 140 | 44. | 1 |
| Benzo(b)fluoranthene | 250 | | ug/kg | 110 | 37. | 1 |
| Benzo(k)fluoranthene | 97 | J | ug/kg | 110 | 35. | 1 |
| Chrysene | 230 | | ug/kg | 110 | 36. | 1 |
| Acenaphthylene | 120 | J | ug/kg | 140 | 34. | 1 |
| Anthracene | 51 | J | ug/kg | 110 | 30. | 1 |
| Benzo(ghi)perylene | 380 | | ug/kg | 140 | 38. | 1 |
| Fluorene | ND | | ug/kg | 180 | 52. | 1 |
| Phenanthrene | 130 | | ug/kg | 110 | 36. | 1 |
| Dibenzo(a,h)anthracene | 96 | J | ug/kg | 110 | 35. | 1 |
| Indeno(1,2,3-cd)Pyrene | 260 | | ug/kg | 140 | 40. | 1 |
| Pyrene | 280 | | ug/kg | 110 | 35. | 1 |
| Biphenyl | ND | | ug/kg | 410 | 60. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 48. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 51. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 50. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 49. | 1 |
| Dibenzofuran | ND | | ug/kg | 180 | 61. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 220 | 58. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 56. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 56. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 34. | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 180 | 53. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 55. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 59. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 54. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 390 | 57. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 250 | 59. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 870 | 250 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 470 | 66. | 1 |
| Pentachlorophenol | ND | | ug/kg | 140 | 39. | 1 |
| Phenol | ND | | ug/kg | 180 | 54. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 58. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 260 | 60. | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 59. | 1 |
| Benzoic Acid | ND | | ug/kg | 590 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 56. | 1 |
| Carbazole | ND | | ug/kg | 180 | 39. | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-03 | Date Collected: | 04/24/14 09:35 |
| Client ID: | GZA-2 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 57 | | 25-120 |
| Phenol-d6 | 58 | | 10-120 |
| Nitrobenzene-d5 | 59 | | 23-120 |
| 2-Fluorobiphenyl | 56 | | 30-120 |
| 2,4,6-Tribromophenol | 62 | | 0-136 |
| 4-Terphenyl-d14 | 55 | | 18-120 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-04 | Date Collected: | 04/24/14 09:40 |
| Client ID: | GZA-2 10-11 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/25/14 08:30 |
| Analytical Date: | 04/29/14 22:58 | | |
| Analyst: | RC | | |
| Percent Solids: | 70% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 190 | 49. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 240 | 78. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 140 | 44. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 210 | 66. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 240 | 77. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 240 | 78. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 240 | 75. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 240 | 72. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 240 | 63. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 240 | 51. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 240 | 61. | 1 |
| Fluoranthene | 59 | J | ug/kg | 140 | 43. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 240 | 72. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 240 | 54. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 280 | 83. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 260 | 72. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 240 | 67. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 680 | 150 | 1 |
| Hexachloroethane | ND | | ug/kg | 190 | 43. | 1 |
| Isophorone | ND | | ug/kg | 210 | 63. | 1 |
| Naphthalene | ND | | ug/kg | 240 | 79. | 1 |
| Nitrobenzene | ND | | ug/kg | 210 | 56. | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 190 | 50. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 240 | 70. | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 240 | 62. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 240 | 46. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 240 | 46. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 240 | 58. | 1 |
| Diethyl phthalate | ND | | ug/kg | 240 | 50. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 240 | 60. | 1 |
| Benzo(a)anthracene | ND | | ug/kg | 140 | 46. | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-04 Date Collected: 04/24/14 09:40

Client ID: GZA-2 10-11 Date Received: 04/24/14

Sample Location: 233 LANDING RD. BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)pyrene | ND | | ug/kg | 190 | 58. | 1 |
| Benzo(b)fluoranthene | ND | | ug/kg | 140 | 48. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 140 | 45. | 1 |
| Chrysene | ND | | ug/kg | 140 | 46. | 1 |
| Acenaphthylene | ND | | ug/kg | 190 | 44. | 1 |
| Anthracene | ND | | ug/kg | 140 | 39. | 1 |
| Benzo(ghi)perylene | ND | | ug/kg | 190 | 49. | 1 |
| Fluorene | ND | | ug/kg | 240 | 68. | 1 |
| Phenanthrene | 48 | J | ug/kg | 140 | 46. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 140 | 46. | 1 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/kg | 190 | 52. | 1 |
| Pyrene | ND | | ug/kg | 140 | 46. | 1 |
| Biphenyl | ND | | ug/kg | 540 | 78. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 240 | 62. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 240 | 67. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 240 | 65. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 240 | 64. | 1 |
| Dibenzofuran | ND | | ug/kg | 240 | 79. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 280 | 76. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 240 | 73. | 1 |
| Acetophenone | ND | | ug/kg | 240 | 73. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 140 | 45. | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 240 | 69. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 240 | 72. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 210 | 77. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 240 | 70. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 510 | 74. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 330 | 77. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1100 | 320 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 620 | 87. | 1 |
| Pentachlorophenol | ND | | ug/kg | 190 | 51. | 1 |
| Phenol | ND | | ug/kg | 240 | 70. | 1 |
| 2-Methylphenol | ND | | ug/kg | 240 | 76. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 340 | 78. | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 240 | 77. | 1 |
| Benzoic Acid | ND | | ug/kg | 770 | 240 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 240 | 73. | 1 |
| Carbazole | ND | | ug/kg | 240 | 51. | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-04 | Date Collected: | 04/24/14 09:40 |
| Client ID: | GZA-2 10-11 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | **21** | Q | 25-120 |
| Phenol-d6 | 31 | | 10-120 |
| Nitrobenzene-d5 | 57 | | 23-120 |
| 2-Fluorobiphenyl | 45 | | 30-120 |
| 2,4,6-Tribromophenol | 11 | | 0-136 |
| 4-Terphenyl-d14 | 22 | | 18-120 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-05 | Date Collected: | 04/24/14 10:25 |
| Client ID: | GZA-3 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/25/14 08:30 |
| Analytical Date: | 04/29/14 23:25 | | |
| Analyst: | RC | | |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 150 | 38. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 180 | 60. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 34. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 160 | 51. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 180 | 60. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 180 | 60. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 180 | 58. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 180 | 56. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 180 | 49. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 180 | 40. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 180 | 47. | 1 |
| Fluoranthene | 100 | J | ug/kg | 110 | 34. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 180 | 56. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 180 | 42. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 64. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 56. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 180 | 52. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 530 | 120 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 33. | 1 |
| Isophorone | ND | | ug/kg | 160 | 49. | 1 |
| Naphthalene | ND | | ug/kg | 180 | 61. | 1 |
| Nitrobenzene | ND | | ug/kg | 160 | 44. | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 150 | 38. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 180 | 55. | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 180 | 48. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 180 | 36. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 180 | 35. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 180 | 45. | 1 |
| Diethyl phthalate | ND | | ug/kg | 180 | 39. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 46. | 1 |
| Benzo(a)anthracene | 62 | J | ug/kg | 110 | 36. | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-05 Date Collected: 04/24/14 10:25

Client ID: GZA-3 0.5-1.5 Date Received: 04/24/14

Sample Location: 233 LANDING RD. BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)pyrene | 62 | J | ug/kg | 150 | 45. | 1 |
| Benzo(b)fluoranthene | 66 | J | ug/kg | 110 | 37. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 110 | 35. | 1 |
| Chrysene | 70 | J | ug/kg | 110 | 36. | 1 |
| Acenaphthylene | ND | | ug/kg | 150 | 34. | 1 |
| Anthracene | ND | | ug/kg | 110 | 30. | 1 |
| Benzo(ghi)perylene | 60 | J | ug/kg | 150 | 38. | 1 |
| Fluorene | ND | | ug/kg | 180 | 52. | 1 |
| Phenanthrene | 40 | J | ug/kg | 110 | 36. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 110 | 36. | 1 |
| Indeno(1,2,3-cd)Pyrene | 48 | J | ug/kg | 150 | 41. | 1 |
| Pyrene | 97 | J | ug/kg | 110 | 36. | 1 |
| Biphenyl | ND | | ug/kg | 420 | 60. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 48. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 52. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 51. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 50. | 1 |
| Dibenzofuran | ND | | ug/kg | 180 | 61. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 220 | 58. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 57. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 57. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 34. | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 180 | 53. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 55. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 59. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 55. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 400 | 57. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 260 | 59. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 880 | 250 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 480 | 67. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 39. | 1 |
| Phenol | ND | | ug/kg | 180 | 54. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 59. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 260 | 60. | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 59. | 1 |
| Benzoic Acid | ND | | ug/kg | 590 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 56. | 1 |
| Carbazole | ND | | ug/kg | 180 | 39. | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-05 | Date Collected: | 04/24/14 10:25 |
| Client ID: | GZA-3 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 52 | | 25-120 |
| Phenol-d6 | 56 | | 10-120 |
| Nitrobenzene-d5 | 53 | | 23-120 |
| 2-Fluorobiphenyl | 56 | | 30-120 |
| 2,4,6-Tribromophenol | 56 | | 0-136 |
| 4-Terphenyl-d14 | 57 | | 18-120 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-06 | Date Collected: | 04/24/14 10:40 |
| Client ID: | GZA-4 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/25/14 08:30 |
| Analytical Date: | 04/29/14 23:53 | | |
| Analyst: | RC | | |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 250 | J | ug/kg | 290 | 75. | 2 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 360 | 120 | 2 |
| Hexachlorobenzene | ND | | ug/kg | 220 | 68. | 2 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 330 | 100 | 2 |
| 2-Chloronaphthalene | ND | | ug/kg | 360 | 120 | 2 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 360 | 120 | 2 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 360 | 120 | 2 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 360 | 110 | 2 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 360 | 97. | 2 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 360 | 79. | 2 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 360 | 94. | 2 |
| Fluoranthene | 650 | | ug/kg | 220 | 67. | 2 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 360 | 110 | 2 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 360 | 84. | 2 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 440 | 130 | 2 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 400 | 110 | 2 |
| Hexachlorobutadiene | ND | | ug/kg | 360 | 100 | 2 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 1000 | 230 | 2 |
| Hexachloroethane | ND | | ug/kg | 290 | 66. | 2 |
| Isophorone | ND | | ug/kg | 330 | 97. | 2 |
| Naphthalene | 170 | J | ug/kg | 360 | 120 | 2 |
| Nitrobenzene | ND | | ug/kg | 330 | 87. | 2 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 290 | 77. | 2 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 360 | 110 | 2 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 360 | 96. | 2 |
| Butyl benzyl phthalate | ND | | ug/kg | 360 | 71. | 2 |
| Di-n-butylphthalate | ND | | ug/kg | 360 | 71. | 2 |
| Di-n-octylphthalate | ND | | ug/kg | 360 | 90. | 2 |
| Diethyl phthalate | ND | | ug/kg | 360 | 77. | 2 |
| Dimethyl phthalate | ND | | ug/kg | 360 | 93. | 2 |
| Benzo(a)anthracene | 330 | | ug/kg | 220 | 72. | 2 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-06 Date Collected: 04/24/14 10:40

Client ID: GZA-4 0.5-1.5 Date Received: 04/24/14

Sample Location: 233 LANDING RD. BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)pyrene | 240 | J | ug/kg | 290 | 90. | 2 |
| Benzo(b)fluoranthene | 270 | | ug/kg | 220 | 74. | 2 |
| Benzo(k)fluoranthene | 150 | J | ug/kg | 220 | 70. | 2 |
| Chrysene | 420 | | ug/kg | 220 | 72. | 2 |
| Acenaphthylene | ND | | ug/kg | 290 | 68. | 2 |
| Anthracene | 260 | | ug/kg | 220 | 61. | 2 |
| Benzo(ghi)perylene | 140 | J | ug/kg | 290 | 76. | 2 |
| Fluorene | 140 | J | ug/kg | 360 | 100 | 2 |
| Phenanthrene | 1300 | | ug/kg | 220 | 72. | 2 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 220 | 71. | 2 |
| Indeno(1,2,3-cd)Pyrene | 140 | J | ug/kg | 290 | 81. | 2 |
| Pyrene | 680 | | ug/kg | 220 | 71. | 2 |
| Biphenyl | ND | | ug/kg | 830 | 120 | 2 |
| 4-Chloroaniline | ND | | ug/kg | 360 | 96. | 2 |
| 2-Nitroaniline | ND | | ug/kg | 360 | 100 | 2 |
| 3-Nitroaniline | ND | | ug/kg | 360 | 100 | 2 |
| 4-Nitroaniline | ND | | ug/kg | 360 | 99. | 2 |
| Dibenzofuran | ND | | ug/kg | 360 | 120 | 2 |
| 2-Methylnaphthalene | 300 | J | ug/kg | 440 | 120 | 2 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 360 | 110 | 2 |
| Acetophenone | ND | | ug/kg | 360 | 110 | 2 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 220 | 69. | 2 |
| P-Chloro-M-Cresol | ND | | ug/kg | 360 | 110 | 2 |
| 2-Chlorophenol | ND | | ug/kg | 360 | 110 | 2 |
| 2,4-Dichlorophenol | ND | | ug/kg | 330 | 120 | 2 |
| 2,4-Dimethylphenol | ND | | ug/kg | 360 | 110 | 2 |
| 2-Nitrophenol | ND | | ug/kg | 790 | 110 | 2 |
| 4-Nitrophenol | ND | | ug/kg | 510 | 120 | 2 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1800 | 500 | 2 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 950 | 130 | 2 |
| Pentachlorophenol | ND | | ug/kg | 290 | 78. | 2 |
| Phenol | ND | | ug/kg | 360 | 110 | 2 |
| 2-Methylphenol | ND | | ug/kg | 360 | 120 | 2 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 530 | 120 | 2 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 360 | 120 | 2 |
| Benzoic Acid | ND | | ug/kg | 1200 | 370 | 2 |
| Benzyl Alcohol | ND | | ug/kg | 360 | 110 | 2 |
| Carbazole | ND | | ug/kg | 360 | 79. | 2 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-06 | Date Collected: | 04/24/14 10:40 |
| Client ID: | GZA-4 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | **19** | Q | 25-120 |
| Phenol-d6 | 46 | | 10-120 |
| Nitrobenzene-d5 | 58 | | 23-120 |
| 2-Fluorobiphenyl | 60 | | 30-120 |
| 2,4,6-Tribromophenol | 10 | | 0-136 |
| 4-Terphenyl-d14 | 53 | | 18-120 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-07 | Date Collected: | 04/24/14 11:30 |
| Client ID: | TW-1 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8270D | Extraction Date: | 04/26/14 01:23 |
| Analytical Date: | 04/28/14 23:59 | | |
| Analyst: | PS | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.21 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.41 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.30 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.35 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.32 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.89 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.36 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.43 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.60 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.60 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.58 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 0.79 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/l | 2.0 | 0.34 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/l | 3.0 | 0.93 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.1 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.77 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 0.33 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.24 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 0.84 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.96 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.67 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.83 | 1 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.22 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.36 | 1 |
| Acetophenone | 2.6 | J | ug/l | 5.0 | 0.43 | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-07 | Date Collected: | 04/24/14 11:30 |
| Client ID: | TW-1 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.78 | 1 |
| P-Chloro-M-Cresol | ND | | ug/l | 2.0 | 0.54 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.58 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.56 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 0.58 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 1.0 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 1.1 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 1.4 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.4 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.27 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.70 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.72 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.75 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 1.0 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.68 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.37 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 31 | | 21-120 |
| Phenol-d6 | 20 | | 10-120 |
| Nitrobenzene-d5 | 59 | | 23-120 |
| 2-Fluorobiphenyl | 64 | | 15-120 |
| 2,4,6-Tribromophenol | 68 | | 10-120 |
| 4-Terphenyl-d14 | 72 | | 41-149 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-07 | Date Collected: | 04/24/14 11:30 |
| Client ID: | TW-1 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8270D-SIM | Extraction Date: | 04/26/14 01:24 |
| Analytical Date: | 04/29/14 21:28 | | |
| Analyst: | MW | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | ND | | ug/l | 0.20 | 0.06 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Fluoranthene | ND | | ug/l | 0.20 | 0.04 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.07 | 1 |
| Naphthalene | 0.07 | J | ug/l | 0.20 | 0.06 | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Chrysene | ND | | ug/l | 0.20 | 0.05 | 1 |
| Acenaphthylene | ND | | ug/l | 0.20 | 0.05 | 1 |
| Anthracene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Fluorene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Phenanthrene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/l | 0.20 | 0.08 | 1 |
| Pyrene | ND | | ug/l | 0.20 | 0.06 | 1 |
| 2-Methylnaphthalene | 0.11 | J | ug/l | 0.20 | 0.06 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.19 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.07 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 30 | | 21-120 |
| Phenol-d6 | 20 | | 10-120 |
| Nitrobenzene-d5 | 72 | | 23-120 |
| 2-Fluorobiphenyl | 58 | | 15-120 |
| 2,4,6-Tribromophenol | 60 | | 10-120 |
| 4-Terphenyl-d14 | 64 | | 41-149 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-08 | Date Collected: | 04/24/14 12:00 |
| Client ID: | FIELD BLANK | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8270D | Extraction Date: | 04/26/14 01:23 |
| Analytical Date: | 04/29/14 00:24 | | |
| Analyst: | PS | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.21 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.41 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.30 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.35 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.32 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.89 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.36 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.43 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.60 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.60 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.58 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 0.79 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/l | 2.0 | 0.34 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/l | 3.0 | 0.93 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.1 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.77 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 0.33 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.24 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 0.84 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.96 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.67 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.83 | 1 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.22 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.36 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.43 | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-08 | Date Collected: | 04/24/14 12:00 |
| Client ID: | FIELD BLANK | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.78 | 1 |
| P-Chloro-M-Cresol | ND | | ug/l | 2.0 | 0.54 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.58 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.56 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 0.58 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 1.0 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 1.1 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 1.4 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.4 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.27 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.70 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.72 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.75 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 1.0 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.68 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.37 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 30 | | 21-120 |
| Phenol-d6 | 17 | | 10-120 |
| Nitrobenzene-d5 | 57 | | 23-120 |
| 2-Fluorobiphenyl | 61 | | 15-120 |
| 2,4,6-Tribromophenol | 60 | | 10-120 |
| 4-Terphenyl-d14 | 73 | | 41-149 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-08 | Date Collected: | 04/24/14 12:00 |
| Client ID: | FIELD BLANK | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8270D-SIM | Extraction Date: | 04/26/14 01:24 |
| Analytical Date: | 04/29/14 21:52 | | |
| Analyst: | MW | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | ND | | ug/l | 0.20 | 0.06 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Fluoranthene | ND | | ug/l | 0.20 | 0.04 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.07 | 1 |
| Naphthalene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Chrysene | ND | | ug/l | 0.20 | 0.05 | 1 |
| Acenaphthylene | ND | | ug/l | 0.20 | 0.05 | 1 |
| Anthracene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Fluorene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Phenanthrene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/l | 0.20 | 0.08 | 1 |
| Pyrene | ND | | ug/l | 0.20 | 0.06 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.19 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.07 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 29 | | 21-120 |
| Phenol-d6 | 19 | | 10-120 |
| Nitrobenzene-d5 | 70 | | 23-120 |
| 2-Fluorobiphenyl | 56 | | 15-120 |
| 2,4,6-Tribromophenol | 55 | | 10-120 |
| 4-Terphenyl-d14 | 63 | | 41-149 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/29/14 17:27
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/25/14 08:30

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG685060-1 | | | | | |
| Acenaphthene | ND | | ug/kg | 130 | 34. |
| Benzidine | ND | | ug/kg | 540 | 130 |
| n-Nitrosodimethylamine | ND | | ug/kg | 330 | 53. |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 160 | 53. |
| Hexachlorobenzene | ND | | ug/kg | 98 | 30. |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 150 | 46. |
| 2-Chloronaphthalene | ND | | ug/kg | 160 | 53. |
| 1,2-Dichlorobenzene | ND | | ug/kg | 160 | 54. |
| 1,3-Dichlorobenzene | ND | | ug/kg | 160 | 51. |
| 1,4-Dichlorobenzene | ND | | ug/kg | 160 | 50. |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 160 | 43. |
| 2,4-Dinitrotoluene | ND | | ug/kg | 160 | 35. |
| 2,6-Dinitrotoluene | ND | | ug/kg | 160 | 42. |
| Fluoranthene | ND | | ug/kg | 98 | 30. |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 160 | 50. |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 160 | 38. |
| Azobenzene | ND | | ug/kg | 160 | 44. |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 200 | 57. |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 180 | 49. |
| Hexachlorobutadiene | ND | | ug/kg | 160 | 46. |
| Hexachlorocyclopentadiene | ND | | ug/kg | 470 | 100 |
| Hexachloroethane | ND | | ug/kg | 130 | 30. |
| Isophorone | ND | | ug/kg | 150 | 43. |
| Naphthalene | ND | | ug/kg | 160 | 54. |
| Nitrobenzene | ND | | ug/kg | 150 | 39. |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 130 | 34. |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 160 | 49. |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 160 | 43. |
| Butyl benzyl phthalate | ND | | ug/kg | 160 | 32. |
| Di-n-butylphthalate | ND | | ug/kg | 160 | 31. |
| Di-n-octylphthalate | ND | | ug/kg | 160 | 40. |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/29/14 17:27
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/25/14 08:30

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG685060-1 | | | | | |
| Diethyl phthalate | ND | | ug/kg | 160 | 34. |
| Dimethyl phthalate | ND | | ug/kg | 160 | 41. |
| Benzo(a)anthracene | ND | | ug/kg | 98 | 32. |
| Benzo(a)pyrene | ND | | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene | ND | | ug/kg | 98 | 33. |
| Benzo(k)fluoranthene | ND | | ug/kg | 98 | 31. |
| Chrysene | ND | | ug/kg | 98 | 32. |
| Acenaphthylene | ND | | ug/kg | 130 | 30. |
| Anthracene | ND | | ug/kg | 98 | 27. |
| Benzo(ghi)perylene | ND | | ug/kg | 130 | 34. |
| Fluorene | ND | | ug/kg | 160 | 47. |
| Phenanthrene | ND | | ug/kg | 98 | 32. |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 98 | 32. |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/kg | 130 | 36. |
| Pyrene | ND | | ug/kg | 98 | 32. |
| Biphenyl | ND | | ug/kg | 370 | 54. |
| Aniline | ND | | ug/kg | 200 | 33. |
| 4-Chloroaniline | ND | | ug/kg | 160 | 43. |
| 2-Nitroaniline | ND | | ug/kg | 160 | 46. |
| 3-Nitroaniline | ND | | ug/kg | 160 | 45. |
| 4-Nitroaniline | ND | | ug/kg | 160 | 44. |
| Dibenzofuran | ND | | ug/kg | 160 | 54. |
| 2-Methylnaphthalene | ND | | ug/kg | 200 | 52. |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 160 | 50. |
| Acetophenone | ND | | ug/kg | 160 | 50. |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 98 | 31. |
| P-Chloro-M-Cresol | ND | | ug/kg | 160 | 47. |
| 2-Chlorophenol | ND | | ug/kg | 160 | 49. |
| 2,4-Dichlorophenol | ND | | ug/kg | 150 | 53. |
| 2,4-Dimethylphenol | ND | | ug/kg | 160 | 49. |
| 2-Nitrophenol | ND | | ug/kg | 350 | 51. |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/29/14 17:27
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/25/14 08:30

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG685060-1 | | | | | |
| 4-Nitrophenol | ND | | ug/kg | 230 | 53. |
| 2,4-Dinitrophenol | ND | | ug/kg | 780 | 220 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 420 | 60. |
| Pentachlorophenol | ND | | ug/kg | 130 | 35. |
| Phenol | ND | | ug/kg | 160 | 48. |
| 2-Methylphenol | ND | | ug/kg | 160 | 52. |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 230 | 54. |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 160 | 53. |
| Benzoic Acid | ND | | ug/kg | 530 | 160 |
| Benzyl Alcohol | ND | | ug/kg | 160 | 50. |
| Carbazole | ND | | ug/kg | 160 | 35. |
| Benzaldehyde | ND | | ug/kg | 220 | 66. |
| Caprolactam | ND | | ug/kg | 160 | 45. |
| Atrazine | ND | | ug/kg | 130 | 37. |
| 2,3,4,6-Tetrachlorophenol | ND | | ug/kg | 160 | 28. |
| Pyridine | ND | | ug/kg | 650 | 58. |
| 1-Methylnaphthalene | ND | | ug/kg | 160 | 49. |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 71 | | 25-120 |
| Phenol-d6 | 65 | | 10-120 |
| Nitrobenzene-d5 | 66 | | 23-120 |
| 2-Fluorobiphenyl | 63 | | 30-120 |
| 2,4,6-Tribromophenol | 64 | | 0-136 |
| 4-Terphenyl-d14 | 65 | | 18-120 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/29/14 14:17
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 04/26/14 01:24

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07-08 Batch: WG685279-1 | | | | | |
| Acenaphthene | ND | | ug/l | 0.20 | 0.06 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.07 |
| Fluoranthene | ND | | ug/l | 0.20 | 0.04 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.07 |
| Naphthalene | ND | | ug/l | 0.20 | 0.06 |
| Benzo(a)anthracene | ND | | ug/l | 0.20 | 0.06 |
| Benzo(a)pyrene | ND | | ug/l | 0.20 | 0.07 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.20 | 0.07 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.20 | 0.07 |
| Chrysene | ND | | ug/l | 0.20 | 0.05 |
| Acenaphthylene | ND | | ug/l | 0.20 | 0.05 |
| Anthracene | ND | | ug/l | 0.20 | 0.06 |
| Benzo(ghi)perylene | ND | | ug/l | 0.20 | 0.07 |
| Fluorene | ND | | ug/l | 0.20 | 0.06 |
| Phenanthrene | ND | | ug/l | 0.20 | 0.06 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.20 | 0.07 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/l | 0.20 | 0.08 |
| Pyrene | ND | | ug/l | 0.20 | 0.06 |
| 2-Methylnaphthalene | ND | | ug/l | 0.20 | 0.06 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.19 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.07 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/29/14 14:17
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 04/26/14 01:24

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07-08 Batch: WG685279-1 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 30 | | 21-120 |
| Phenol-d6 | 20 | | 10-120 |
| Nitrobenzene-d5 | 75 | | 23-120 |
| 2-Fluorobiphenyl | 47 | | 15-120 |
| 2,4,6-Tribromophenol | 65 | | 10-120 |
| 4-Terphenyl-d14 | 75 | | 41-149 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/28/14 18:54
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 04/26/14 01:23

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG685280-1 | | | | | |
| Acenaphthene | ND | | ug/l | 2.0 | 0.28 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.21 |
| Benzidine | ND | | ug/l | 20 | 5.2 |
| n-Nitrosodimethylamine | ND | | ug/l | 2.0 | 0.50 |
| Hexachlorobenzene | ND | | ug/l | 2.0 | 0.40 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.41 |
| 2-Chloronaphthalene | ND | | ug/l | 2.0 | 0.46 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.30 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.35 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.32 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 0.48 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.0 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.89 |
| Azobenzene | ND | | ug/l | 2.0 | 0.54 |
| Fluoranthene | ND | | ug/l | 2.0 | 0.40 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.36 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.43 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.60 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.60 |
| Hexachlorobutadiene | ND | | ug/l | 2.0 | 0.42 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.58 |
| Hexachloroethane | ND | | ug/l | 2.0 | 0.30 |
| Isophorone | ND | | ug/l | 5.0 | 0.79 |
| Naphthalene | ND | | ug/l | 2.0 | 0.33 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.40 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/l | 2.0 | 0.34 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/l | 3.0 | 0.93 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.77 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.2 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/28/14 18:54
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 04/26/14 01:23

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG685280-1 | | | | | |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.39 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 0.33 |
| Benzo(a)anthracene | ND | | ug/l | 2.0 | 0.32 |
| Benzo(a)pyrene | ND | | ug/l | 2.0 | 0.66 |
| Benzo(b)fluoranthene | ND | | ug/l | 2.0 | 0.37 |
| Benzo(k)fluoranthene | ND | | ug/l | 2.0 | 0.30 |
| Chrysene | ND | | ug/l | 2.0 | 0.30 |
| Acenaphthylene | ND | | ug/l | 2.0 | 0.37 |
| Anthracene | ND | | ug/l | 2.0 | 0.20 |
| Benzo(ghi)perylene | ND | | ug/l | 2.0 | 0.57 |
| Fluorene | ND | | ug/l | 2.0 | 0.32 |
| Phenanthrene | ND | | ug/l | 2.0 | 0.23 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 2.0 | 0.44 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/l | 2.0 | 0.43 |
| Pyrene | ND | | ug/l | 2.0 | 0.52 |
| Biphenyl | ND | | ug/l | 2.0 | 0.24 |
| Aniline | ND | | ug/l | 2.0 | 0.55 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 0.84 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.96 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.67 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.83 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.22 |
| 2-Methylnaphthalene | ND | | ug/l | 2.0 | 0.36 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.36 |
| Acetophenone | ND | | ug/l | 5.0 | 0.43 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.78 |
| P-Chloro-M-Cresol | ND | | ug/l | 2.0 | 0.54 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.58 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.56 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 0.58 |
| 2-Nitrophenol | ND | | ug/l | 10 | 1.0 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/28/14 18:54
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 04/26/14 01:23

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG685280-1 | | | | | |
| 4-Nitrophenol | ND | | ug/l | 10 | 1.1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 1.4 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.4 |
| Pentachlorophenol | ND | | ug/l | 10 | 3.2 |
| Phenol | ND | | ug/l | 5.0 | 0.27 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.70 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.72 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.75 |
| Benzoic Acid | ND | | ug/l | 50 | 1.0 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.68 |
| Carbazole | ND | | ug/l | 2.0 | 0.37 |
| Pyridine | ND | | ug/l | 5.0 | 0.31 |
| Benzaldehyde | ND | | ug/l | 5.0 | 0.99 |
| Caprolactam | ND | | ug/l | 10 | 0.39 |
| Atrazine | ND | | ug/l | 10 | 0.79 |
| 2,3,4,6-Tetrachlorophenol | ND | | ug/l | 5.0 | 0.59 |

Tentatively Identified Compounds

| | | |
|---|---|---|
| No Tentatively Identified Compounds | ND | ug/l |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/28/14 18:54
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 04/26/14 01:23

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG685280-1 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 31 | | 21-120 |
| Phenol-d6 | 18 | | 10-120 |
| Nitrobenzene-d5 | 57 | | 23-120 |
| 2-Fluorobiphenyl | 51 | | 15-120 |
| 2,4,6-Tribromophenol | 57 | | 10-120 |
| 4-Terphenyl-d14 | 80 | | 41-149 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG685060-2 WG685060-3 | | | | | | | | |
| Acenaphthene | 72 | | 62 | | 31-137 | 15 | | 50 |
| Benzidine | 5 | | 10 | | | **67** | Q | 50 |
| n-Nitrosodimethylamine | 73 | | 57 | | | 25 | | 50 |
| 1,2,4-Trichlorobenzene | 67 | | 53 | | 38-107 | 23 | | 50 |
| Hexachlorobenzene | 68 | | 67 | | 40-140 | 1 | | 50 |
| Bis(2-chloroethyl)ether | 70 | | 55 | | 40-140 | 24 | | 50 |
| 2-Chloronaphthalene | 69 | | 56 | | 40-140 | 21 | | 50 |
| 1,2-Dichlorobenzene | 68 | | 54 | | 40-140 | 23 | | 50 |
| 1,3-Dichlorobenzene | 67 | | 54 | | 40-140 | 21 | | 50 |
| 1,4-Dichlorobenzene | 67 | | 54 | | 28-104 | 21 | | 50 |
| 3,3'-Dichlorobenzidine | 51 | | 61 | | 40-140 | 18 | | 50 |
| 2,4-Dinitrotoluene | 73 | | 72 | | 28-89 | 1 | | 50 |
| 2,6-Dinitrotoluene | 67 | | 65 | | 40-140 | 3 | | 50 |
| Fluoranthene | 72 | | 71 | | 40-140 | 1 | | 50 |
| 4-Chlorophenyl phenyl ether | 70 | | 63 | | 40-140 | 11 | | 50 |
| 4-Bromophenyl phenyl ether | 69 | | 66 | | 40-140 | 4 | | 50 |
| Azobenzene | 77 | | 74 | | 40-140 | 4 | | 50 |
| Bis(2-chloroisopropyl)ether | 73 | | 59 | | 40-140 | 21 | | 50 |
| Bis(2-chloroethoxy)methane | 69 | | 56 | | 40-117 | 21 | | 50 |
| Hexachlorobutadiene | 69 | | 54 | | 40-140 | 24 | | 50 |
| Hexachlorocyclopentadiene | 54 | | 40 | | 40-140 | 30 | | 50 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG685060-2 WG685060-3 | | | | | | | | |
| Hexachloroethane | 70 | | 54 | | 40-140 | 26 | | 50 |
| Isophorone | 70 | | 57 | | 40-140 | 20 | | 50 |
| Naphthalene | 70 | | 56 | | 40-140 | 22 | | 50 |
| Nitrobenzene | 74 | | 59 | | 40-140 | 23 | | 50 |
| NitrosoDiPhenylAmine(NDPA)/DPA | 72 | | 69 | | | 4 | | 50 |
| n-Nitrosodi-n-propylamine | 69 | | 56 | | 32-121 | 21 | | 50 |
| Bis(2-Ethylhexyl)phthalate | 86 | | 83 | | 40-140 | 4 | | 50 |
| Butyl benzyl phthalate | 76 | | 76 | | 40-140 | 0 | | 50 |
| Di-n-butylphthalate | 77 | | 76 | | 40-140 | 1 | | 50 |
| Di-n-octylphthalate | 91 | | 88 | | 40-140 | 3 | | 50 |
| Diethyl phthalate | 74 | | 72 | | 40-140 | 3 | | 50 |
| Dimethyl phthalate | 73 | | 69 | | 40-140 | 6 | | 50 |
| Benzo(a)anthracene | 74 | | 73 | | 40-140 | 1 | | 50 |
| Benzo(a)pyrene | 74 | | 74 | | 40-140 | 0 | | 50 |
| Benzo(b)fluoranthene | 72 | | 74 | | 40-140 | 3 | | 50 |
| Benzo(k)fluoranthene | 77 | | 72 | | 40-140 | 7 | | 50 |
| Chrysene | 74 | | 73 | | 40-140 | 1 | | 50 |
| Acenaphthylene | 69 | | 61 | | 40-140 | 12 | | 50 |
| Anthracene | 75 | | 71 | | 40-140 | 5 | | 50 |
| Benzo(ghi)perylene | 70 | | 72 | | 40-140 | 3 | | 50 |
| Fluorene | 72 | | 67 | | 40-140 | 7 | | 50 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG685060-2 WG685060-3 | | | | | | | | |
| Phenanthrene | 74 | | 73 | | 40-140 | 1 | | 50 |
| Dibenzo(a,h)anthracene | 72 | | 74 | | 40-140 | 3 | | 50 |
| Indeno(1,2,3-cd)Pyrene | 73 | | 73 | | 40-140 | 0 | | 50 |
| Pyrene | 70 | | 70 | | 35-142 | 0 | | 50 |
| Biphenyl | 73 | | 59 | | | 21 | | 50 |
| Aniline | 44 | | 41 | | 40-140 | 7 | | 50 |
| 4-Chloroaniline | 55 | | 49 | | 40-140 | 12 | | 50 |
| 2-Nitroaniline | 70 | | 66 | | 47-134 | 6 | | 50 |
| 3-Nitroaniline | 37 | | 47 | | 26-129 | 24 | | 50 |
| 4-Nitroaniline | 61 | | 64 | | 41-125 | 5 | | 50 |
| Dibenzofuran | 71 | | 64 | | 40-140 | 10 | | 50 |
| 2-Methylnaphthalene | 96 | | 80 | | 40-140 | 18 | | 50 |
| 1,2,4,5-Tetrachlorobenzene | 70 | | 55 | | 40-117 | 24 | | 50 |
| Acetophenone | 73 | | 58 | | 14-144 | 23 | | 50 |
| 2,4,6-Trichlorophenol | 69 | | 61 | | 30-130 | 12 | | 50 |
| P-Chloro-M-Cresol | 75 | | 68 | | 26-103 | 10 | | 50 |
| 2-Chlorophenol | 72 | | 58 | | 25-102 | 22 | | 50 |
| 2,4-Dichlorophenol | 72 | | 58 | | 30-130 | 22 | | 50 |
| 2,4-Dimethylphenol | 64 | | 52 | | 30-130 | 21 | | 50 |
| 2-Nitrophenol | 70 | | 56 | | 30-130 | 22 | | 50 |
| 4-Nitrophenol | 76 | | 76 | | 11-114 | 0 | | 50 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG685060-2 WG685060-3 | | | | | | | | |
| 2,4-Dinitrophenol | 66 | | 65 | | 4-130 | 2 | | 50 |
| 4,6-Dinitro-o-cresol | 73 | | 72 | | 10-130 | 1 | | 50 |
| Pentachlorophenol | 66 | | 66 | | 17-109 | 0 | | 50 |
| Phenol | 74 | | 58 | | 26-90 | 24 | | 50 |
| 2-Methylphenol | 70 | | 56 | | 30-130. | 22 | | 50 |
| 3-Methylphenol/4-Methylphenol | 77 | | 61 | | 30-130 | 23 | | 50 |
| 2,4,5-Trichlorophenol | 71 | | 65 | | 30-130 | 9 | | 50 |
| Benzoic Acid | 36 | | 28 | | | 25 | | 50 |
| Benzyl Alcohol | 74 | | 59 | | 40-140 | 23 | | 50 |
| Carbazole | 73 | | 72 | | 54-128 | 1 | | 50 |
| Benzaldehyde | 76 | | 63 | | | 19 | | 50 |
| Caprolactam | 53 | | 44 | | | 19 | | 50 |
| Atrazine | 79 | | 81 | | | 3 | | 50 |
| 2,3,4,6-Tetrachlorophenol | 66 | | 66 | | | 0 | | 50 |
| Pyridine | 59 | | 48 | | 10-93 | 21 | | 50 |
| 1-Methylnaphthalene | 70 | | 56 | | 26-130 | 22 | | 50 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG685060-2 WG685060-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 76 | | 61 | | 25-120 |
| Phenol-d6 | 76 | | 61 | | 10-120 |
| Nitrobenzene-d5 | 73 | | 59 | | 23-120 |
| 2-Fluorobiphenyl | 70 | | 58 | | 30-120 |
| 2,4,6-Tribromophenol | 74 | | 73 | | 0-136 |
| 4-Terphenyl-d14 | 70 | | 70 | | 18-120 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07-08 Batch: WG685279-2 WG685279-3 | | | | | | | | |
| Acenaphthene | 65 | | 64 | | 37-111 | 2 | | 40 |
| 2-Chloronaphthalene | 61 | | 61 | | 40-140 | 0 | | 40 |
| Fluoranthene | 92 | | 92 | | 40-140 | 0 | | 40 |
| Hexachlorobutadiene | 41 | | 42 | | 40-140 | 2 | | 40 |
| Naphthalene | 59 | | 60 | | 40-140 | 2 | | 40 |
| Benzo(a)anthracene | 95 | | 101 | | 40-140 | 6 | | 40 |
| Benzo(a)pyrene | 76 | | 80 | | 40-140 | 5 | | 40 |
| Benzo(b)fluoranthene | 95 | | 104 | | 40-140 | 9 | | 40 |
| Benzo(k)fluoranthene | 84 | | 87 | | 40-140 | 4 | | 40 |
| Chrysene | 73 | | 78 | | 40-140 | 7 | | 40 |
| Acenaphthylene | 71 | | 71 | | 40-140 | 0 | | 40 |
| Anthracene | 86 | | 84 | | 40-140 | 2 | | 40 |
| Benzo(ghi)perylene | 78 | | 79 | | 40-140 | 1 | | 40 |
| Fluorene | 75 | | 75 | | 40-140 | 0 | | 40 |
| Phenanthrene | 77 | | 77 | | 40-140 | 0 | | 40 |
| Dibenzo(a,h)anthracene | 86 | | 89 | | 40-140 | 3 | | 40 |
| Indeno(1,2,3-cd)Pyrene | 84 | | 86 | | 40-140 | 2 | | 40 |
| Pyrene | 89 | | 88 | | 26-127 | 1 | | 40 |
| 2-Methylnaphthalene | 64 | | 65 | | 40-140 | 2 | | 40 |
| Pentachlorophenol | 71 | | 74 | | 9-103 | 4 | | 40 |
| Hexachlorobenzene | 63 | | 64 | | 40-140 | 2 | | 40 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07-08 Batch: WG685279-2 WG685279-3 | | | | | | | | |
| Hexachloroethane | 56 | | 56 | | 40-140 | 0 | | 40 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 33 | | 33 | | 21-120 |
| Phenol-d6 | 23 | | 23 | | 10-120 |
| Nitrobenzene-d5 | 72 | | 72 | | 23-120 |
| 2-Fluorobiphenyl | 53 | | 55 | | 15-120 |
| 2,4,6-Tribromophenol | 66 | | 68 | | 10-120 |
| 4-Terphenyl-d14 | 76 | | 77 | | 41-149 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG685280-2 WG685280-3 | | | | | | | | |
| Acenaphthene | 62 | | 63 | | 37-111 | 2 | | 30 |
| 1,2,4-Trichlorobenzene | 40 | | 43 | | 39-98 | 7 | | 30 |
| Benzidine | 14 | | 19 | | | 30 | | 30 |
| n-Nitrosodimethylamine | 25 | | 28 | | | 11 | | 30 |
| Hexachlorobenzene | 84 | | 85 | | 40-140 | 1 | | 30 |
| Bis(2-chloroethyl)ether | 60 | | 64 | | 40-140 | 6 | | 30 |
| 2-Chloronaphthalene | 55 | | 58 | | 40-140 | 5 | | 30 |
| 1,2-Dichlorobenzene | 42 | | 45 | | 40-140 | 7 | | 30 |
| 1,3-Dichlorobenzene | 40 | | 42 | | 40-140 | 5 | | 30 |
| 1,4-Dichlorobenzene | 41 | | 44 | | 36-97 | 7 | | 30 |
| 3,3'-Dichlorobenzidine | 64 | | 58 | | 40-140 | 10 | | 30 |
| 2,4-Dinitrotoluene | 90 | | 88 | | 24-96 | 2 | | 30 |
| 2,6-Dinitrotoluene | 86 | | 90 | | 40-140 | 5 | | 30 |
| Azobenzene | 77 | | 77 | | 40-140 | 0 | | 30 |
| Fluoranthene | 88 | | 90 | | 40-140 | 2 | | 30 |
| 4-Chlorophenyl phenyl ether | 71 | | 73 | | 40-140 | 3 | | 30 |
| 4-Bromophenyl phenyl ether | 80 | | 81 | | 40-140 | 1 | | 30 |
| Bis(2-chloroisopropyl)ether | 52 | | 59 | | 40-140 | 13 | | 30 |
| Bis(2-chloroethoxy)methane | 68 | | 73 | | 40-140 | 7 | | 30 |
| Hexachlorobutadiene | **36** | Q | **39** | Q | 40-140 | 8 | | 30 |
| Hexachlorocyclopentadiene | **31** | Q | **33** | Q | 40-140 | 6 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG685280-2 WG685280-3 | | | | | | | | |
| Hexachloroethane | **37** | Q | **38** | Q | 40-140 | 3 | | 30 |
| Isophorone | 70 | | 74 | | 40-140 | 6 | | 30 |
| Naphthalene | 48 | | 54 | | 40-140 | 12 | | 30 |
| Nitrobenzene | 54 | | 64 | | 40-140 | 17 | | 30 |
| NitrosoDiPhenylAmine(NDPA)/DPA | 87 | | 86 | | 40-140 | 1 | | 30 |
| n-Nitrosodi-n-propylamine | 64 | | 70 | | 29-132 | 9 | | 30 |
| Bis(2-Ethylhexyl)phthalate | 94 | | 98 | | 40-140 | 4 | | 30 |
| Butyl benzyl phthalate | 88 | | 94 | | 40-140 | 7 | | 30 |
| Di-n-butylphthalate | 90 | | 93 | | 40-140 | 3 | | 30 |
| Di-n-octylphthalate | 96 | | 100 | | 40-140 | 4 | | 30 |
| Diethyl phthalate | 85 | | 86 | | 40-140 | 1 | | 30 |
| Dimethyl phthalate | 84 | | 85 | | 40-140 | 1 | | 30 |
| Benzo(a)anthracene | 87 | | 89 | | 40-140 | 2 | | 30 |
| Benzo(a)pyrene | 84 | | 91 | | 40-140 | 8 | | 30 |
| Benzo(b)fluoranthene | 85 | | 88 | | 40-140 | 3 | | 30 |
| Benzo(k)fluoranthene | 87 | | 90 | | 40-140 | 3 | | 30 |
| Chrysene | 89 | | 90 | | 40-140 | 1 | | 30 |
| Acenaphthylene | 66 | | 71 | | 45-123 | 7 | | 30 |
| Anthracene | 87 | | 88 | | 40-140 | 1 | | 30 |
| Benzo(ghi)perylene | 75 | | 84 | | 40-140 | 11 | | 30 |
| Fluorene | 74 | | 75 | | 40-140 | 1 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG685280-2 WG685280-3 | | | | | | | | |
| Phenanthrene | 83 | | 86 | | 40-140 | 4 | | 30 |
| Dibenzo(a,h)anthracene | 80 | | 87 | | 40-140 | 8 | | 30 |
| Indeno(1,2,3-cd)Pyrene | 76 | | 87 | | 40-140 | 13 | | 30 |
| Pyrene | 86 | | 88 | | 26-127 | 2 | | 30 |
| Biphenyl | 54 | | 57 | | | 5 | | 30 |
| Aniline | **29** | Q | **30** | Q | 40-140 | 3 | | 30 |
| 4-Chloroaniline | 52 | | 66 | | 40-140 | 24 | | 30 |
| 2-Nitroaniline | 92 | | 90 | | 52-143 | 2 | | 30 |
| 3-Nitroaniline | 64 | | 61 | | 25-145 | 5 | | 30 |
| 4-Nitroaniline | 79 | | 80 | | 51-143 | 1 | | 30 |
| Dibenzofuran | 68 | | 70 | | 40-140 | 3 | | 30 |
| 2-Methylnaphthalene | 49 | | 54 | | 40-140 | 10 | | 30 |
| 1,2,4,5-Tetrachlorobenzene | 44 | | 46 | | 2-134 | 4 | | 30 |
| Acetophenone | 67 | | 71 | | 39-129 | 6 | | 30 |
| 2,4,6-Trichlorophenol | 72 | | 77 | | 30-130 | 7 | | 30 |
| P-Chloro-M-Cresol | 73 | | 77 | | 23-97 | 5 | | 30 |
| 2-Chlorophenol | 52 | | 58 | | 27-123 | 11 | | 30 |
| 2,4-Dichlorophenol | 61 | | 67 | | 30-130 | 9 | | 30 |
| 2,4-Dimethylphenol | 59 | | 67 | | 30-130 | 13 | | 30 |
| 2-Nitrophenol | 62 | | 70 | | 30-130 | 12 | | 30 |
| 4-Nitrophenol | 20 | | 22 | | 10-80 | 10 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG685280-2 WG685280-3 | | | | | | | | |
| 2,4-Dinitrophenol | 49 | | 52 | | 20-130 | 6 | | 30 |
| 4,6-Dinitro-o-cresol | 74 | | 78 | | 20-164 | 5 | | 30 |
| Pentachlorophenol | 68 | | 71 | | 9-103 | 4 | | 30 |
| Phenol | 22 | | 25 | | 12-110 | 13 | | 30 |
| 2-Methylphenol | 46 | | 52 | | 30-130 | 12 | | 30 |
| 3-Methylphenol/4-Methylphenol | 46 | | 49 | | 30-130 | 6 | | 30 |
| 2,4,5-Trichlorophenol | 78 | | 82 | | 30-130 | 5 | | 30 |
| Benzoic Acid | 31 | | 28 | | | 10 | | 30 |
| Benzyl Alcohol | 43 | | 48 | | | 11 | | 30 |
| Carbazole | 91 | | 94 | | 55-144 | 3 | | 30 |
| Pyridine | 13 | | 20 | | 10-66 | **42** | Q | 30 |
| Benzaldehyde | 74 | | 84 | | 40-140 | 13 | | 30 |
| Caprolactam | 15 | | 17 | | 10-130 | 13 | | 30 |
| Atrazine | 87 | | 90 | | 40-140 | 3 | | 30 |
| 2,3,4,6-Tetrachlorophenol | 84 | | 84 | | 54-145 | 0 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG685280-2 WG685280-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 29 | | 33 | | 21-120 |
| Phenol-d6 | 20 | | 22 | | 10-120 |
| Nitrobenzene-d5 | 60 | | 69 | | 23-120 |
| 2-Fluorobiphenyl | 60 | | 66 | | 15-120 |
| 2,4,6-Tribromophenol | 75 | | 81 | | 10-120 |
| 4-Terphenyl-d14 | 79 | | 81 | | 41-149 |

# PCBS

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-01 | Date Collected: | 04/24/14 09:05 |
| Client ID: | GZA-1 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/27/14 08:28 |
| Analytical Date: | 04/28/14 14:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | JW | Cleanup Date1: | 04/28/14 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 04/28/14 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.3 | 2.95 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 37.3 | 3.44 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 37.3 | 4.38 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 37.3 | 4.57 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 37.3 | 3.15 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 37.3 | 3.07 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 37.3 | 2.84 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 37.3 | 1.85 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 37.3 | 5.41 | 1 | A |
| PCBs, Total | ND | | ug/kg | 37.3 | 1.85 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | A |
| Decachlorobiphenyl | 69 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | B |
| Decachlorobiphenyl | 68 | | 30-150 | B |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-02 | Date Collected: | 04/24/14 09:15 |
| Client ID: | GZA-1 10-11 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/27/14 08:28 |
| Analytical Date: | 04/28/14 14:52 | Cleanup Method1: | EPA 3665A |
| Analyst: | JW | Cleanup Date1: | 04/28/14 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 04/28/14 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.2 | 2.63 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 33.2 | 3.07 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 33.2 | 3.90 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 33.2 | 4.07 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 33.2 | 2.81 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 33.2 | 2.73 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 33.2 | 2.53 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 33.2 | 1.65 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 33.2 | 4.82 | 1 | A |
| PCBs, Total | ND | | ug/kg | 33.2 | 1.65 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | A |
| Decachlorobiphenyl | 81 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 76 | | 30-150 | B |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-03 | Date Collected: | 04/24/14 09:35 |
| Client ID: | GZA-2 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/27/14 08:28 |
| Analytical Date: | 04/28/14 15:04 | Cleanup Method1: | EPA 3665A |
| Analyst: | JW | Cleanup Date1: | 04/28/14 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 04/28/14 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.6 | 2.89 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.6 | 3.38 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.6 | 4.29 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.6 | 4.48 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.6 | 3.09 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 36.6 | 3.01 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 36.6 | 2.79 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 36.6 | 1.82 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.6 | 5.31 | 1 | A |
| PCBs, Total | ND | | ug/kg | 36.6 | 1.82 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 | A |
| Decachlorobiphenyl | 68 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | B |
| Decachlorobiphenyl | 71 | | 30-150 | B |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-04 | Date Collected: | 04/24/14 09:40 |
| Client ID: | GZA-2 10-11 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/27/14 08:28 |
| Analytical Date: | 04/28/14 15:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | JW | Cleanup Date1: | 04/28/14 |
| Percent Solids: | 70% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 04/28/14 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 46.6 | 3.68 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 46.6 | 4.29 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 46.6 | 5.46 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 46.6 | 5.70 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 46.6 | 3.93 | 1 | A |
| Aroclor 1254 | 61.1 | P | ug/kg | 46.6 | 3.83 | 1 | B |
| Aroclor 1260 | ND | | ug/kg | 46.6 | 3.55 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 46.6 | 2.31 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 46.6 | 6.75 | 1 | A |
| PCBs, Total | 61.1 | | ug/kg | 46.6 | 2.31 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 31 | | 30-150 | A |
| Decachlorobiphenyl | **29** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 31 | | 30-150 | B |
| Decachlorobiphenyl | 39 | | 30-150 | B |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-05 | Date Collected: | 04/24/14 10:25 |
| Client ID: | GZA-3 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/27/14 08:28 |
| Analytical Date: | 04/28/14 15:29 | Cleanup Method1: | EPA 3665A |
| Analyst: | JW | Cleanup Date1: | 04/28/14 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 04/28/14 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.8 | 2.91 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.8 | 3.39 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.8 | 4.31 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.8 | 4.50 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.8 | 3.10 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 36.8 | 3.02 | 1 | A |
| Aroclor 1260 | 17.3 | J | ug/kg | 36.8 | 2.80 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 36.8 | 1.82 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.8 | 5.34 | 1 | A |
| PCBs, Total | 17.3 | J | ug/kg | 36.8 | 1.82 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | A |
| Decachlorobiphenyl | 74 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 | B |
| Decachlorobiphenyl | 92 | | 30-150 | B |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-06 | Date Collected: | 04/24/14 10:40 |
| Client ID: | GZA-4 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/27/14 08:28 |
| Analytical Date: | 04/28/14 15:41 | Cleanup Method1: | EPA 3665A |
| Analyst: | JW | Cleanup Date1: | 04/28/14 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 04/28/14 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.1 | 2.93 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 37.1 | 3.42 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 37.1 | 4.35 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 37.1 | 4.54 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 37.1 | 3.13 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 37.1 | 3.05 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 37.1 | 2.83 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 37.1 | 1.84 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 37.1 | 5.38 | 1 | A |
| PCBs, Total | ND | | ug/kg | 37.1 | 1.84 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | A |
| Decachlorobiphenyl | 74 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 72 | | 30-150 | B |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-07 | Date Collected: | 04/24/14 11:30 |
| Client ID: | TW-1 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8082A | Extraction Date: | 04/26/14 12:57 |
| Analytical Date: | 04/28/14 13:38 | Cleanup Method1: | EPA 3665A |
| Analyst: | JW | Cleanup Date1: | 04/28/14 |
| | | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 04/28/14 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.055 | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.053 | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.031 | 1 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.060 | 1 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.051 | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | 1 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.029 | 1 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.038 | 1 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.029 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | A |
| Decachlorobiphenyl | 50 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | B |
| Decachlorobiphenyl | 47 | | 30-150 | B |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-08 | Date Collected: | 04/24/14 12:00 |
| Client ID: | FIELD BLANK | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8082A | Extraction Date: | 04/26/14 12:57 |
| Analytical Date: | 04/28/14 13:50 | Cleanup Method1: | EPA 3665A |
| Analyst: | JW | Cleanup Date1: | 04/28/14 |
| | | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 04/28/14 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.055 | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.053 | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.031 | 1 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.060 | 1 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.051 | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | 1 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.029 | 1 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.038 | 1 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.029 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | A |
| Decachlorobiphenyl | 56 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | B |
| Decachlorobiphenyl | 52 | | 30-150 | B |

**Project Name:** 233 LANDING RD

**Project Number:** 12.0076232.00

**Lab Number:** L1408689

**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/28/14 14:02
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 04/26/14 12:57
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/28/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/28/14

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07-08 Batch: WG685347-1 | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.055 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.053 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.031 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.060 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.051 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.034 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.029 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.038 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.029 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 | B |
| Decachlorobiphenyl | 76 | | 30-150 | B |
| Decachlorobiphenyl | 83 | | 30-150 | A |

**Project Name:** 233 LANDING RD

**Project Number:** 12.0076232.00

**Lab Number:** L1408689

**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/28/14 15:53
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 04/27/14 08:31
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/28/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/28/14

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG685381-1 | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.4 | 2.56 | A |
| Aroclor 1221 | ND | | ug/kg | 32.4 | 2.98 | A |
| Aroclor 1232 | ND | | ug/kg | 32.4 | 3.79 | A |
| Aroclor 1242 | ND | | ug/kg | 32.4 | 3.96 | A |
| Aroclor 1248 | ND | | ug/kg | 32.4 | 2.73 | A |
| Aroclor 1254 | ND | | ug/kg | 32.4 | 2.66 | A |
| Aroclor 1260 | ND | | ug/kg | 32.4 | 2.47 | A |
| Aroclor 1262 | ND | | ug/kg | 32.4 | 1.60 | A |
| Aroclor 1268 | ND | | ug/kg | 32.4 | 4.69 | A |
| PCBs, Total | ND | | ug/kg | 32.4 | 1.60 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | B |
| Decachlorobiphenyl | 70 | | 30-150 | B |
| Decachlorobiphenyl | 69 | | 30-150 | A |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07-08 Batch: WG685347-2 WG685347-3 | | | | | | | | | |
| Aroclor 1016 | 78 | | 77 | | 40-140 | 1 | | 50 | A |
| Aroclor 1260 | 89 | | 86 | | 40-140 | 3 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 61 | | 30-150 | A |
| Decachlorobiphenyl | 79 | | 78 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 67 | | 30-150 | B |
| Decachlorobiphenyl | 71 | | 70 | | 30-150 | B |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG685381-2 WG685381-3 | | | | | | | | | |
| Aroclor 1016 | 93 | | 88 | | 40-140 | 6 | | 50 | A |
| Aroclor 1260 | 73 | | 70 | | 40-140 | 4 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 81 | | 30-150 | A |
| Decachlorobiphenyl | 80 | | 73 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 88 | | 30-150 | B |
| Decachlorobiphenyl | 82 | | 76 | | 30-150 | B |

# PESTICIDES

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-07 | Date Collected: | 04/24/14 11:30 |
| Client ID: | TW-1 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8081B | Extraction Date: | 04/27/14 11:54 |
| Analytical Date: | 04/30/14 05:49 | Cleanup Method1: | EPA 3620B |
| Analyst: | SH | Cleanup Date1: | 04/29/14 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.020 | 0.005 | 1 | A |
| Lindane | ND | | ug/l | 0.020 | 0.004 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.020 | 0.004 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.020 | 0.006 | 1 | A |
| Heptachlor | ND | | ug/l | 0.020 | 0.003 | 1 | A |
| Aldrin | ND | | ug/l | 0.020 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.020 | 0.004 | 1 | A |
| Endrin | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| Dieldrin | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.020 | 0.003 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.200 | 0.007 | 1 | A |
| Toxaphene | ND | | ug/l | 0.200 | 0.063 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.020 | 0.007 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.020 | 0.006 | 1 | A |
| Chlordane | ND | | ug/l | 0.200 | 0.046 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 | A |
| Decachlorobiphenyl | 113 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 | B |
| Decachlorobiphenyl | 70 | | 30-150 | B |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/30/14 05:10
Analyst: SH

Extraction Method: EPA 3510C
Extraction Date: 04/27/14 11:54
Cleanup Method1: EPA 3620B
Cleanup Date1: 04/29/14

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07 Batch: WG685385-1 | | | | | | |
| Delta-BHC | ND | | ug/l | 0.020 | 0.005 | A |
| Lindane | ND | | ug/l | 0.020 | 0.004 | A |
| Alpha-BHC | ND | | ug/l | 0.020 | 0.004 | A |
| Beta-BHC | ND | | ug/l | 0.020 | 0.006 | A |
| Heptachlor | ND | | ug/l | 0.020 | 0.003 | A |
| Aldrin | ND | | ug/l | 0.020 | 0.002 | A |
| Heptachlor epoxide | ND | | ug/l | 0.020 | 0.004 | A |
| Endrin | ND | | ug/l | 0.040 | 0.004 | A |
| Endrin ketone | ND | | ug/l | 0.040 | 0.005 | A |
| Dieldrin | ND | | ug/l | 0.040 | 0.004 | A |
| 4,4'-DDE | ND | | ug/l | 0.040 | 0.004 | A |
| 4,4'-DDD | ND | | ug/l | 0.040 | 0.005 | A |
| 4,4'-DDT | ND | | ug/l | 0.040 | 0.004 | A |
| Endosulfan I | ND | | ug/l | 0.020 | 0.003 | A |
| Endosulfan II | ND | | ug/l | 0.040 | 0.005 | A |
| Endosulfan sulfate | ND | | ug/l | 0.040 | 0.005 | A |
| Methoxychlor | ND | | ug/l | 0.200 | 0.007 | A |
| Toxaphene | ND | | ug/l | 0.200 | 0.063 | A |
| cis-Chlordane | ND | | ug/l | 0.020 | 0.007 | A |
| trans-Chlordane | ND | | ug/l | 0.020 | 0.006 | A |
| Chlordane | ND | | ug/l | 0.200 | 0.046 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 112 | | 30-150 | A |
| Decachlorobiphenyl | 108 | | 30-150 | B |
| Decachlorobiphenyl | **168** | Q | 30-150 | A |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG685385-2 WG685385-3 | | | | | | | | | |
| Delta-BHC | 105 | | 102 | | 30-150 | 3 | | 20 | A |
| Lindane | 121 | | 118 | | 30-150 | 3 | | 20 | A |
| Alpha-BHC | 118 | | 116 | | 30-150 | 2 | | 20 | A |
| Beta-BHC | 106 | | 103 | | 30-150 | 3 | | 20 | A |
| Heptachlor | 118 | | 115 | | 30-150 | 3 | | 20 | A |
| Aldrin | 132 | | 129 | | 30-150 | 2 | | 20 | A |
| Heptachlor epoxide | 128 | | 126 | | 30-150 | 2 | | 20 | A |
| Endrin | 140 | | 134 | | 30-150 | 4 | | 20 | A |
| Endrin ketone | 130 | | 129 | | 30-150 | 1 | | 20 | A |
| Dieldrin | 136 | | 134 | | 30-150 | 1 | | 20 | A |
| 4,4'-DDE | 142 | | 138 | | 30-150 | 3 | | 20 | A |
| 4,4'-DDD | 140 | | 136 | | 30-150 | 3 | | 20 | A |
| 4,4'-DDT | 142 | | 140 | | 30-150 | 1 | | 20 | A |
| Endosulfan I | 145 | | 144 | | 30-150 | 1 | | 20 | A |
| Endosulfan II | 136 | | 133 | | 30-150 | 2 | | 20 | A |
| Endosulfan sulfate | 127 | | 120 | | 30-150 | 6 | | 20 | A |
| Methoxychlor | 120 | | 122 | | 30-150 | 2 | | 20 | A |
| cis-Chlordane | 136 | | 135 | | 30-150 | 1 | | 20 | A |
| trans-Chlordane | 127 | | 127 | | 30-150 | 0 | | 20 | A |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG685385-2 WG685385-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 107 | | 100 | | 30-150 | A |
| Decachlorobiphenyl | **157** | Q | 142 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 77 | | 30-150 | B |
| Decachlorobiphenyl | 109 | | 106 | | 30-150 | B |

# METALS

**Project Name:** 233 LANDING RD
**Lab Number:** L1408689
**Project Number:** 12.0076232.00
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-01
Client ID: GZA-1 0.5-1.5
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 04/24/14 09:05
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 10000 | | mg/kg | 8.7 | 1.7 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Antimony, Total | 4.3 | | mg/kg | 4.3 | 0.69 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Arsenic, Total | 7.7 | | mg/kg | 0.87 | 0.17 | 2 | 04/28/14 11:00 | 04/29/14 11:49 | EPA 3050B | 1,6010C | TT |
| Barium, Total | 140 | | mg/kg | 0.87 | 0.26 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Beryllium, Total | 0.16 | J | mg/kg | 0.43 | 0.09 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Cadmium, Total | 0.11 | J | mg/kg | 0.87 | 0.06 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Calcium, Total | 9900 | | mg/kg | 8.7 | 2.6 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Chromium, Total | 32 | | mg/kg | 0.87 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Cobalt, Total | 6.6 | | mg/kg | 1.7 | 0.43 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Copper, Total | 19 | | mg/kg | 0.87 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Iron, Total | 18000 | | mg/kg | 4.3 | 1.7 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Lead, Total | 84 | | mg/kg | 4.3 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Magnesium, Total | 6400 | | mg/kg | 8.7 | 0.87 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Manganese, Total | 260 | | mg/kg | 0.87 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Mercury, Total | ND | | mg/kg | 0.07 | 0.02 | 1 | 04/29/14 08:53 | 04/29/14 11:49 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 18 | | mg/kg | 2.2 | 0.35 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Potassium, Total | 5900 | | mg/kg | 220 | 35. | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Selenium, Total | ND | | mg/kg | 1.7 | 0.26 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Silver, Total | ND | | mg/kg | 0.87 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Sodium, Total | 280 | | mg/kg | 170 | 26. | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Thallium, Total | ND | | mg/kg | 1.7 | 0.35 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Vanadium, Total | 34 | | mg/kg | 0.87 | 0.09 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Zinc, Total | 68 | | mg/kg | 4.3 | 0.61 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00
**Lab Number:** L1408689
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-02
Client ID: GZA-1 10-11
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil
Percent Solids: 96%

Date Collected: 04/24/14 09:15
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 12000 | | mg/kg | 7.9 | 1.6 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Antimony, Total | ND | | mg/kg | 4.0 | 0.63 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Arsenic, Total | 7.5 | | mg/kg | 0.79 | 0.16 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Barium, Total | 240 | | mg/kg | 0.79 | 0.24 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Beryllium, Total | 0.13 | J | mg/kg | 0.40 | 0.08 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Cadmium, Total | ND | | mg/kg | 0.79 | 0.06 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Calcium, Total | 13000 | | mg/kg | 7.9 | 2.4 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Chromium, Total | 37 | | mg/kg | 0.79 | 0.16 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Cobalt, Total | 9.0 | | mg/kg | 1.6 | 0.40 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Copper, Total | 27 | | mg/kg | 0.79 | 0.16 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Iron, Total | 19000 | | mg/kg | 4.0 | 1.6 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Lead, Total | 13 | | mg/kg | 4.0 | 0.16 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Magnesium, Total | 8500 | | mg/kg | 7.9 | 0.79 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Manganese, Total | 260 | | mg/kg | 0.79 | 0.16 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Mercury, Total | ND | | mg/kg | 0.07 | 0.02 | 1 | 04/29/14 08:53 | 04/29/14 11:50 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 22 | | mg/kg | 2.0 | 0.32 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Potassium, Total | 7800 | | mg/kg | 200 | 32. | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Selenium, Total | ND | | mg/kg | 1.6 | 0.24 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Silver, Total | ND | | mg/kg | 0.79 | 0.16 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Sodium, Total | 230 | | mg/kg | 160 | 24. | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Thallium, Total | ND | | mg/kg | 1.6 | 0.32 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Vanadium, Total | 37 | | mg/kg | 0.79 | 0.08 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Zinc, Total | 51 | | mg/kg | 4.0 | 0.56 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |

**Project Name:** 233 LANDING RD
**Lab Number:** L1408689
**Project Number:** 12.0076232.00
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-03
Client ID: GZA-2 0.5-1.5
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 04/24/14 09:35
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 9400 | | mg/kg | 8.4 | 1.7 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Antimony, Total | ND | | mg/kg | 4.2 | 0.67 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Arsenic, Total | 8.8 | | mg/kg | 0.84 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Barium, Total | 120 | | mg/kg | 0.84 | 0.25 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Beryllium, Total | 0.17 | J | mg/kg | 0.42 | 0.08 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Cadmium, Total | ND | | mg/kg | 0.84 | 0.06 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Calcium, Total | 10000 | | mg/kg | 8.4 | 2.5 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Chromium, Total | 23 | | mg/kg | 0.84 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Cobalt, Total | 6.3 | | mg/kg | 1.7 | 0.42 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Copper, Total | 20 | | mg/kg | 0.84 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Iron, Total | 16000 | | mg/kg | 4.2 | 1.7 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Lead, Total | 40 | | mg/kg | 4.2 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Magnesium, Total | 5700 | | mg/kg | 8.4 | 0.84 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Manganese, Total | 210 | | mg/kg | 0.84 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Mercury, Total | 0.09 | | mg/kg | 0.08 | 0.02 | 1 | 04/29/14 08:53 | 04/29/14 12:22 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 14 | | mg/kg | 2.1 | 0.34 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Potassium, Total | 4000 | | mg/kg | 210 | 34. | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Selenium, Total | ND | | mg/kg | 1.7 | 0.25 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Silver, Total | ND | | mg/kg | 0.84 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Sodium, Total | 520 | | mg/kg | 170 | 25. | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Thallium, Total | ND | | mg/kg | 1.7 | 0.34 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Vanadium, Total | 28 | | mg/kg | 0.84 | 0.08 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Zinc, Total | 74 | | mg/kg | 4.2 | 0.59 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |

**Project Name:** 233 LANDING RD
**Lab Number:** L1408689
**Project Number:** 12.0076232.00
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-04
Client ID: GZA-2 10-11
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil
Percent Solids: 70%

Date Collected: 04/24/14 09:40
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 14000 | | mg/kg | 11 | 2.2 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Antimony, Total | 21 | | mg/kg | 5.5 | 0.88 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Arsenic, Total | 22 | | mg/kg | 1.1 | 0.22 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Barium, Total | 140 | | mg/kg | 1.1 | 0.33 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Beryllium, Total | ND | | mg/kg | 0.55 | 0.11 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Cadmium, Total | ND | | mg/kg | 1.1 | 0.08 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Calcium, Total | 26000 | | mg/kg | 11 | 3.3 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Chromium, Total | 630 | | mg/kg | 1.1 | 0.22 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Cobalt, Total | 3.7 | | mg/kg | 2.2 | 0.55 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Copper, Total | 4600 | | mg/kg | 1.1 | 0.22 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Iron, Total | 39000 | | mg/kg | 5.5 | 2.2 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Lead, Total | 150 | | mg/kg | 5.5 | 0.22 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Magnesium, Total | 900 | | mg/kg | 11 | 1.1 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Manganese, Total | 120 | | mg/kg | 1.1 | 0.22 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Mercury, Total | 1.7 | | mg/kg | 0.11 | 0.02 | 1 | 04/29/14 08:53 | 04/29/14 12:33 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 220 | | mg/kg | 2.7 | 0.44 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Potassium, Total | 4300 | | mg/kg | 270 | 44. | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Selenium, Total | 10 | | mg/kg | 2.2 | 0.33 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Silver, Total | 0.69 | J | mg/kg | 1.1 | 0.22 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Sodium, Total | 2400 | | mg/kg | 220 | 33. | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Thallium, Total | ND | | mg/kg | 2.2 | 0.44 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Vanadium, Total | 2400 | | mg/kg | 1.1 | 0.11 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Zinc, Total | 760 | | mg/kg | 5.5 | 0.77 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |

**Project Name:** 233 LANDING RD
**Lab Number:** L1408689
**Project Number:** 12.0076232.00
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-05
Client ID: GZA-3 0.5-1.5
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 04/24/14 10:25
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 12000 | | mg/kg | 8.6 | 1.7 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Antimony, Total | ND | | mg/kg | 4.3 | 0.69 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Arsenic, Total | 8.9 | | mg/kg | 0.86 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Barium, Total | 170 | | mg/kg | 0.86 | 0.26 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Beryllium, Total | 0.09 | J | mg/kg | 0.43 | 0.09 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Cadmium, Total | ND | | mg/kg | 0.86 | 0.06 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Calcium, Total | 32000 | | mg/kg | 8.6 | 2.6 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Chromium, Total | 45 | | mg/kg | 0.86 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Cobalt, Total | 7.8 | | mg/kg | 1.7 | 0.43 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Copper, Total | 17 | | mg/kg | 0.86 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Iron, Total | 19000 | | mg/kg | 4.3 | 1.7 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Lead, Total | 21 | | mg/kg | 4.3 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Magnesium, Total | 19000 | | mg/kg | 8.6 | 0.86 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Manganese, Total | 290 | | mg/kg | 0.86 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Mercury, Total | 0.04 | J | mg/kg | 0.07 | 0.02 | 1 | 04/29/14 08:53 | 04/29/14 12:35 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 21 | | mg/kg | 2.2 | 0.35 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Potassium, Total | 7600 | | mg/kg | 220 | 35. | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Selenium, Total | ND | | mg/kg | 1.7 | 0.26 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Silver, Total | ND | | mg/kg | 0.86 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Sodium, Total | 260 | | mg/kg | 170 | 26. | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Thallium, Total | ND | | mg/kg | 1.7 | 0.35 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Vanadium, Total | 43 | | mg/kg | 0.86 | 0.09 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Zinc, Total | 65 | | mg/kg | 4.3 | 0.60 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |

**Project Name:** 233 LANDING RD
**Lab Number:** L1408689
**Project Number:** 12.0076232.00
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-06
Client ID: GZA-4 0.5-1.5
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 04/24/14 10:40
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 5000 | | mg/kg | 8.6 | 1.7 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Antimony, Total | ND | | mg/kg | 4.3 | 0.69 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Arsenic, Total | 9.2 | | mg/kg | 0.86 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Barium, Total | 45 | | mg/kg | 0.86 | 0.26 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Beryllium, Total | 0.18 | J | mg/kg | 0.43 | 0.09 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Cadmium, Total | ND | | mg/kg | 0.86 | 0.06 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Calcium, Total | 43000 | | mg/kg | 8.6 | 2.6 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Chromium, Total | 8.5 | | mg/kg | 0.86 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Cobalt, Total | 3.1 | | mg/kg | 1.7 | 0.43 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Copper, Total | 37 | | mg/kg | 0.86 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Iron, Total | 9900 | | mg/kg | 4.3 | 1.7 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Lead, Total | 140 | | mg/kg | 4.3 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Magnesium, Total | 11000 | | mg/kg | 8.6 | 0.86 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Manganese, Total | 110 | | mg/kg | 0.86 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Mercury, Total | ND | | mg/kg | 0.08 | 0.02 | 1 | 04/29/14 08:53 | 04/29/14 12:36 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 6.9 | | mg/kg | 2.2 | 0.34 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Potassium, Total | 770 | | mg/kg | 220 | 34. | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Selenium, Total | 0.30 | J | mg/kg | 1.7 | 0.26 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Silver, Total | ND | | mg/kg | 0.86 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Sodium, Total | 230 | | mg/kg | 170 | 26. | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Thallium, Total | ND | | mg/kg | 1.7 | 0.34 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Vanadium, Total | 18 | | mg/kg | 0.86 | 0.09 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Zinc, Total | 30 | | mg/kg | 4.3 | 0.60 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00
**Lab Number:** L1408689
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-07
Client ID: TW-1
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Water

Date Collected: 04/24/14 11:30
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 7.53 | | mg/l | 0.200 | 0.0400 | 20 | 04/25/14 09:43 | 04/25/14 15:13 | EPA 3005A | 1,6020A | KL |
| Antimony, Total | 0.00084 | J | mg/l | 0.00200 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Arsenic, Total | 0.00588 | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Barium, Total | 0.5358 | | mg/l | 0.01000 | 0.00200 | 20 | 04/25/14 09:43 | 04/25/14 15:13 | EPA 3005A | 1,6020A | KL |
| Beryllium, Total | 0.00167 | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Cadmium, Total | 0.00063 | | mg/l | 0.00020 | 0.00005 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Calcium, Total | 40.0 | | mg/l | 2.00 | 0.640 | 20 | 04/25/14 09:43 | 04/25/14 15:13 | EPA 3005A | 1,6020A | KL |
| Chromium, Total | 0.03384 | | mg/l | 0.00100 | 0.00020 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Cobalt, Total | 0.02507 | | mg/l | 0.00020 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Copper, Total | 0.07383 | | mg/l | 0.00100 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Iron, Total | 22.5 | | mg/l | 0.0500 | 0.0130 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Lead, Total | 0.02760 | | mg/l | 0.00100 | 0.00020 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Magnesium, Total | 12.6 | | mg/l | 0.0700 | 0.0230 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Manganese, Total | 0.6034 | | mg/l | 0.01000 | 0.00200 | 20 | 04/25/14 09:43 | 04/25/14 15:13 | EPA 3005A | 1,6020A | KL |
| Mercury, Total | 0.00008 | J | mg/l | 0.00020 | 0.00006 | 1 | 04/26/14 09:02 | 04/26/14 12:48 | EPA 7470A | 1,7470A | AK |
| Nickel, Total | 0.04237 | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Potassium, Total | 5.47 | | mg/l | 0.100 | 0.0270 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Selenium, Total | 0.00822 | | mg/l | 0.00500 | 0.00030 | 1 | 04/25/14 09:43 | 04/26/14 09:12 | EPA 3005A | 1,6020A | KL |
| Silver, Total | ND | | mg/l | 0.00040 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Sodium, Total | 21.8 | | mg/l | 0.100 | 0.0150 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Thallium, Total | 0.00017 | J | mg/l | 0.00020 | 0.00003 | 1 | 04/25/14 09:43 | 04/26/14 09:12 | EPA 3005A | 1,6020A | KL |
| Vanadium, Total | 0.03675 | | mg/l | 0.00500 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Zinc, Total | 0.1769 | | mg/l | 0.01000 | 0.00120 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |

**Project Name:** 233 LANDING RD
**Lab Number:** L1408689
**Project Number:** 12.0076232.00
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-08
Client ID: FIELD BLANK
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Water

Date Collected: 04/24/14 12:00
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 0.00260 | J | mg/l | 0.0100 | 0.00200 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Antimony, Total | 0.00142 | J | mg/l | 0.00200 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Arsenic, Total | 0.00014 | J | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Barium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Cadmium, Total | ND | | mg/l | 0.00020 | 0.00005 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Calcium, Total | ND | | mg/l | 0.100 | 0.0320 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Chromium, Total | ND | | mg/l | 0.00100 | 0.00020 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Cobalt, Total | ND | | mg/l | 0.00020 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Copper, Total | 0.00051 | J | mg/l | 0.00100 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Iron, Total | ND | | mg/l | 0.0500 | 0.0130 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Lead, Total | ND | | mg/l | 0.00100 | 0.00020 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Magnesium, Total | ND | | mg/l | 0.0700 | 0.0230 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Manganese, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00006 | 1 | 04/26/14 09:02 | 04/26/14 12:53 | EPA 7470A | 1,7470A | AK |
| Nickel, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Potassium, Total | ND | | mg/l | 0.100 | 0.0270 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Selenium, Total | ND | | mg/l | 0.00500 | 0.00030 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Silver, Total | ND | | mg/l | 0.00040 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Sodium, Total | 0.0450 | J | mg/l | 0.100 | 0.0150 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00003 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Vanadium, Total | ND | | mg/l | 0.00500 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Zinc, Total | 0.01169 | | mg/l | 0.01000 | 0.00120 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

# Method Blank Analysis
# Batch Quality Control

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 07-08 Batch: WG685074-1 | | | | | | | | | | |
| Aluminum, Total | ND | | mg/l | 0.0100 | 0.00200 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Antimony, Total | 0.00177 | J | mg/l | 0.00200 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Arsenic, Total | 0.00010 | J | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Barium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Cadmium, Total | ND | | mg/l | 0.00020 | 0.00005 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Calcium, Total | ND | | mg/l | 0.100 | 0.0320 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Chromium, Total | ND | | mg/l | 0.00100 | 0.00020 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Cobalt, Total | ND | | mg/l | 0.00020 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Copper, Total | 0.00049 | J | mg/l | 0.00100 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Iron, Total | ND | | mg/l | 0.0500 | 0.0130 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Lead, Total | ND | | mg/l | 0.00100 | 0.00020 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Magnesium, Total | ND | | mg/l | 0.0700 | 0.0230 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Manganese, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Nickel, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Potassium, Total | ND | | mg/l | 0.100 | 0.0270 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Selenium, Total | ND | | mg/l | 0.00500 | 0.00030 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Silver, Total | ND | | mg/l | 0.00040 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Sodium, Total | ND | | mg/l | 0.100 | 0.0150 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00003 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Vanadium, Total | ND | | mg/l | 0.00500 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Zinc, Total | 0.00365 | J | mg/l | 0.01000 | 0.00120 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |

**Prep Information**

Digestion Method: EPA 3005A

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 07-08 Batch: WG685301-1 | | | | | | | | | | |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00006 | 1 | 04/26/14 09:02 | 04/26/14 12:44 | 1,7470A | AK |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

# Method Blank Analysis
# Batch Quality Control

**Prep Information**

Digestion Method: EPA 7470A

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 01-06 Batch: WG685494-1 | | | | | | | | | | |
| Aluminum, Total | ND | | mg/kg | 4.0 | 0.80 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Antimony, Total | 0.42 | J | mg/kg | 2.0 | 0.32 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Arsenic, Total | ND | | mg/kg | 0.40 | 0.08 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Barium, Total | ND | | mg/kg | 0.40 | 0.12 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Beryllium, Total | ND | | mg/kg | 0.20 | 0.04 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Cadmium, Total | ND | | mg/kg | 0.40 | 0.03 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Calcium, Total | ND | | mg/kg | 4.0 | 1.2 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Chromium, Total | ND | | mg/kg | 0.40 | 0.08 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Cobalt, Total | ND | | mg/kg | 0.80 | 0.20 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Copper, Total | ND | | mg/kg | 0.40 | 0.08 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Iron, Total | ND | | mg/kg | 2.0 | 0.80 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Lead, Total | ND | | mg/kg | 2.0 | 0.08 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Magnesium, Total | ND | | mg/kg | 4.0 | 0.40 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Manganese, Total | ND | | mg/kg | 0.40 | 0.08 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Nickel, Total | ND | | mg/kg | 1.0 | 0.16 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Potassium, Total | ND | | mg/kg | 100 | 16. | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Selenium, Total | ND | | mg/kg | 0.80 | 0.12 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Silver, Total | ND | | mg/kg | 0.40 | 0.08 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Sodium, Total | ND | | mg/kg | 80 | 12. | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Thallium, Total | ND | | mg/kg | 0.80 | 0.16 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Vanadium, Total | ND | | mg/kg | 0.40 | 0.04 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Zinc, Total | ND | | mg/kg | 2.0 | 0.28 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |

**Prep Information**

Digestion Method: EPA 3050B

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

# Method Blank Analysis
# Batch Quality Control

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG685609-1 | | | | | | | | | | |
| Mercury, Total | ND | | mg/kg | 0.08 | 0.02 | 1 | 04/29/14 08:53 | 04/29/14 11:05 | 1,7471B | MC |

**Prep Information**

Digestion Method: EPA 7471B

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 03-06 Batch: WG685614-1 | | | | | | | | | | |
| Mercury, Total | ND | | mg/kg | 0.08 | 0.02 | 1 | 04/29/14 08:53 | 04/29/14 12:00 | 1,7471B | MC |

**Prep Information**

Digestion Method: EPA 7471B

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 07-08 Batch: WG685074-2 | | | | | | | | |
| Aluminum, Total | 100 | | - | | 80-120 | - | | |
| Antimony, Total | 97 | | - | | 80-120 | - | | |
| Arsenic, Total | 102 | | - | | 80-120 | - | | |
| Barium, Total | 97 | | - | | 80-120 | - | | |
| Beryllium, Total | 104 | | - | | 80-120 | - | | |
| Cadmium, Total | 103 | | - | | 80-120 | - | | |
| Calcium, Total | 110 | | - | | 80-120 | - | | |
| Chromium, Total | 94 | | - | | 80-120 | - | | |
| Cobalt, Total | 96 | | - | | 80-120 | - | | |
| Copper, Total | 96 | | - | | 80-120 | - | | |
| Iron, Total | 98 | | - | | 80-120 | - | | |
| Lead, Total | 99 | | - | | 80-120 | - | | |
| Magnesium, Total | 108 | | - | | 80-120 | - | | |
| Manganese, Total | 95 | | - | | 80-120 | - | | |
| Nickel, Total | 96 | | - | | 80-120 | - | | |
| Potassium, Total | 104 | | - | | 80-120 | - | | |
| Selenium, Total | 112 | | - | | 80-120 | - | | |
| Silver, Total | 90 | | - | | 80-120 | - | | |
| Sodium, Total | 108 | | - | | 80-120 | - | | |
| Thallium, Total | 95 | | - | | 80-120 | - | | |
| Vanadium, Total | 98 | | - | | 80-120 | - | | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 07-08 Batch: WG685074-2 | | | | | |
| Zinc, Total | 100 | - | 80-120 | - | |
| Total Metals - Westborough Lab Associated sample(s): 07-08 Batch: WG685301-2 | | | | | |
| Mercury, Total | 82 | - | 80-120 | - | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG685494-2 SRM Lot Number: 0518-10-02 | | | | | |
| Aluminum, Total | 88 | - | 29-171 | - | |
| Antimony, Total | 112 | - | 4-196 | - | |
| Arsenic, Total | 100 | - | 81-119 | - | |
| Barium, Total | 96 | - | 83-118 | - | |
| Beryllium, Total | 98 | - | 83-117 | - | |
| Cadmium, Total | 94 | - | 82-117 | - | |
| Calcium, Total | 87 | - | 83-117 | - | |
| Chromium, Total | 92 | - | 80-119 | - | |
| Cobalt, Total | 95 | - | 83-117 | - | |
| Copper, Total | 92 | - | 83-117 | - | |
| Iron, Total | 94 | - | 51-150 | - | |
| Lead, Total | 92 | - | 80-120 | - | |
| Magnesium, Total | 88 | - | 74-126 | - | |
| Manganese, Total | 95 | - | 83-117 | - | |
| Nickel, Total | 94 | - | 82-117 | - | |
| Potassium, Total | 99 | - | 74-126 | - | |
| Selenium, Total | 98 | - | 80-120 | - | |
| Silver, Total | 94 | - | 66-134 | - | |
| Sodium, Total | 98 | - | 74-127 | - | |
| Thallium, Total | 96 | - | 79-120 | - | |
| Vanadium, Total | 89 | - | 79-121 | - | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG685494-2 SRM Lot Number: 0518-10-02 | | | | | |
| Zinc, Total | 91 | - | 82-119 | - | |
| Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG685609-2 SRM Lot Number: 0518-10-02 | | | | | |
| Mercury, Total | 111 | - | 67-133 | - | |
| Total Metals - Westborough Lab Associated sample(s): 03-06 Batch: WG685614-2 SRM Lot Number: 0518-10-02 | | | | | |
| Mercury, Total | 114 | - | 67-133 | - | |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG685074-4 QC Sample: L1408669-02 Client ID: MS Sample | | | | | | | | | | | | |
| Aluminum, Total | 0.008J | 2 | 2.06 | 103 | | - | - | | 75-125 | - | | 20 |
| Antimony, Total | 0.0012J | 0.5 | 0.4457 | 89 | | - | - | | 75-125 | - | | 20 |
| Arsenic, Total | 0.0003J | 0.12 | 0.1282 | 107 | | - | - | | 75-125 | - | | 20 |
| Barium, Total | 0.0427 | 2 | 2.048 | 100 | | - | - | | 75-125 | - | | 20 |
| Beryllium, Total | ND | 0.05 | 0.05373 | 107 | | - | - | | 75-125 | - | | 20 |
| Cadmium, Total | ND | 0.051 | 0.05329 | 104 | | - | - | | 75-125 | - | | 20 |
| Calcium, Total | 15.7 | 10 | 32.7 | **170** | Q | - | - | | 75-125 | - | | 20 |
| Chromium, Total | 0.0003J | 0.2 | 0.1951 | 98 | | - | - | | 75-125 | - | | 20 |
| Cobalt, Total | ND | 0.5 | 0.4937 | 99 | | - | - | | 75-125 | - | | 20 |
| Copper, Total | 0.00066J | 0.25 | 0.2443 | 98 | | - | - | | 75-125 | - | | 20 |
| Iron, Total | 0.034J | 1 | 1.01 | 101 | | - | - | | 75-125 | - | | 20 |
| Lead, Total | ND | 0.51 | 0.5268 | 103 | | - | - | | 75-125 | - | | 20 |
| Magnesium, Total | 3.22 | 10 | 7.45 | **42** | Q | - | - | | 75-125 | - | | 20 |
| Manganese, Total | 0.03661 | 0.5 | 0.5362 | 100 | | - | - | | 75-125 | - | | 20 |
| Nickel, Total | 0.00083 | 0.5 | 0.4924 | 98 | | - | - | | 75-125 | - | | 20 |
| Potassium, Total | 1.36 | 10 | 3.94 | **26** | Q | - | - | | 75-125 | - | | 20 |
| Selenium, Total | ND | 0.12 | 0.139 | 116 | | - | - | | 75-125 | - | | 20 |
| Silver, Total | ND | 0.05 | 0.04706 | 94 | | - | - | | 75-125 | - | | 20 |
| Sodium, Total | 28.5 | 10 | 35.6 | **71** | Q | - | - | | 75-125 | - | | 20 |
| Thallium, Total | ND | 0.12 | 0.1189 | 99 | | - | - | | 75-125 | - | | 20 |
| Vanadium, Total | 0.0002J | 0.5 | 0.5075 | 102 | | - | - | | 75-125 | - | | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG685074-4 QC Sample: L1408669-02 Client ID: MS Sample | | | | | | | | | |
| Zinc, Total | 0.01438 | 0.5 | 0.5279 | 103 | - | - | 75-125 | - | 20 |
| Total Metals - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG685301-4 QC Sample: L1408689-07 Client ID: TW-1 | | | | | | | | | |
| Mercury, Total | 0.00008J | 0.005 | 0.00506 | 101 | - | - | 75-125 | - | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG685494-4 QC Sample: L1408689-01 Client ID: GZA-1 0.5-1.5 | | | | | | | | | | |
| Aluminum, Total | 10000 | 170 | 13000 | **1760** | Q | - | - | 75-125 | - | 20 |
| Antimony, Total | 4.3 | 42.6 | 33 | 78 | | - | - | 75-125 | - | 20 |
| Arsenic, Total | 7.7 | 10.2 | 17 | 91 | | - | - | 75-125 | - | 20 |
| Barium, Total | 140 | 170 | 330 | 112 | | - | - | 75-125 | - | 20 |
| Beryllium, Total | 0.16J | 4.26 | 3.8 | 89 | | - | - | 75-125 | - | 20 |
| Cadmium, Total | 0.11J | 4.34 | 3.5 | 81 | | - | - | 75-125 | - | 20 |
| Calcium, Total | 9900 | 851 | 16000 | **717** | Q | - | - | 75-125 | - | 20 |
| Chromium, Total | 32. | 17 | 52 | 117 | | - | - | 75-125 | - | 20 |
| Cobalt, Total | 6.6 | 42.6 | 44 | 88 | | - | - | 75-125 | - | 20 |
| Copper, Total | 19. | 21.3 | 38 | 89 | | - | - | 75-125 | - | 20 |
| Iron, Total | 18000 | 85.1 | 21000 | **3520** | Q | - | - | 75-125 | - | 20 |
| Lead, Total | 84. | 43.4 | 120 | 83 | | - | - | 75-125 | - | 20 |
| Magnesium, Total | 6400 | 851 | 11000 | **540** | Q | - | - | 75-125 | - | 20 |
| Manganese, Total | 260 | 42.6 | 330 | **164** | Q | - | - | 75-125 | - | 20 |
| Nickel, Total | 18. | 42.6 | 55 | 87 | | - | - | 75-125 | - | 20 |
| Potassium, Total | 5900 | 851 | 8500 | **305** | Q | - | - | 75-125 | - | 20 |
| Selenium, Total | ND | 10.2 | 9.1 | 89 | | - | - | 75-125 | - | 20 |
| Silver, Total | ND | 25.5 | 22 | 86 | | - | - | 75-125 | - | 20 |
| Sodium, Total | 280 | 851 | 1100 | 96 | | - | - | 75-125 | - | 20 |
| Thallium, Total | ND | 10.2 | 7.5 | **73** | Q | - | - | 75-125 | - | 20 |
| Vanadium, Total | 34. | 42.6 | 77 | 101 | | - | - | 75-125 | - | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG685494-4 QC Sample: L1408689-01 Client ID: GZA-1 0.5-1.5 | | | | | | | | | |
| Zinc, Total | 68. | 42.6 | 110 | 99 | - | - | 75-125 | - | 20 |
| Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG685609-4 QC Sample: L1408590-02 Client ID: MS Sample | | | | | | | | | |
| Mercury, Total | 0.27 | 0.159 | 0.40 | 82 | - | - | 80-120 | - | 35 |
| Total Metals - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG685614-4 QC Sample: L1408689-03 Client ID: GZA-2 0.5-1.5 | | | | | | | | | |
| Mercury, Total | 0.09 | 0.158 | 0.25 | 99 | - | - | 80-120 | - | 35 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG685074-3 QC Sample: L1408669-02 Client ID: DUP Sample | | | | | | |
| Copper, Total | 0.00066J | 0.00060J | mg/l | NC | | 20 |
| Manganese, Total | 0.03661 | 0.03496 | mg/l | 5 | | 20 |
| Nickel, Total | 0.00083 | 0.00078 | mg/l | 6 | | 20 |
| Zinc, Total | 0.01438 | 0.01389 | mg/l | 3 | | 20 |
| Total Metals - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG685301-3 QC Sample: L1408689-07 Client ID: TW-1 | | | | | | |
| Mercury, Total | 0.00008J | 0.00007J | mg/l | NC | | 20 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | Native Sample | Duplicate Sample | Units | RPD | | RPD Limits |
|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG685494-3 QC Sample: L1408689-01 Client ID: GZA-1 0.5-1.5 | | | | | | |
| Aluminum, Total | 10000 | 13000 | mg/kg | **26** | Q | 20 |
| Antimony, Total | 4.3 | ND | mg/kg | NC | | 20 |
| Barium, Total | 140 | 160 | mg/kg | 13 | | 20 |
| Beryllium, Total | 0.16J | 0.20J | mg/kg | NC | | 20 |
| Cadmium, Total | 0.11J | ND | mg/kg | NC | | 20 |
| Calcium, Total | 9900 | 9400 | mg/kg | 5 | | 20 |
| Chromium, Total | 32. | 36 | mg/kg | 12 | | 20 |
| Cobalt, Total | 6.6 | 8.8 | mg/kg | **29** | Q | 20 |
| Copper, Total | 19. | 24 | mg/kg | **23** | Q | 20 |
| Iron, Total | 18000 | 22000 | mg/kg | 20 | | 20 |
| Lead, Total | 84. | 40 | mg/kg | **71** | Q | 20 |
| Magnesium, Total | 6400 | 7300 | mg/kg | 13 | | 20 |
| Manganese, Total | 260 | 330 | mg/kg | **24** | Q | 20 |
| Nickel, Total | 18. | 21 | mg/kg | 15 | | 20 |
| Potassium, Total | 5900 | 6800 | mg/kg | 14 | | 20 |
| Selenium, Total | ND | ND | mg/kg | NC | | 20 |
| Silver, Total | ND | ND | mg/kg | NC | | 20 |
| Sodium, Total | 280 | 290 | mg/kg | 4 | | 20 |
| Thallium, Total | ND | ND | mg/kg | NC | | 20 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | Native Sample | Duplicate Sample | Units | RPD | | RPD Limits |
|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG685494-3 QC Sample: L1408689-01 Client ID: GZA-1 0.5-1.5 | | | | | | |
| Vanadium, Total | 34. | 41 | mg/kg | 19 | | 20 |
| Zinc, Total | 68. | 79 | mg/kg | 15 | | 20 |
| Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG685494-3 QC Sample: L1408689-01 Client ID: GZA-1 0.5-1.5 | | | | | | |
| Arsenic, Total | 7.7 | 9.4 | mg/kg | 20 | | 20 |
| Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG685609-3 QC Sample: L1408590-02 Client ID: DUP Sample | | | | | | |
| Mercury, Total | 0.27 | 0.13 | mg/kg | **70** | Q | 35 |
| Total Metals - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG685614-3 QC Sample: L1408689-03 Client ID: GZA-2 0.5-1.5 | | | | | | |
| Mercury, Total | 0.09 | 0.08 | mg/kg | 18 | | 35 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-01
Client ID: GZA-1 0.5-1.5
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil

Date Collected: 04/24/14 09:05
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 88.0 | | % | 0.100 | NA | 1 | - | 04/25/14 18:25 | 30,2540G | RT |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-02
Client ID: GZA-1 10-11
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil

Date Collected: 04/24/14 09:15
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96.0 | | % | 0.100 | NA | 1 | - | 04/25/14 18:25 | 30,2540G | RT |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-03
Client ID: GZA-2 0.5-1.5
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil

Date Collected: 04/24/14 09:35
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 90.7 | | % | 0.100 | NA | 1 | - | 04/25/14 18:25 | 30,2540G | RT |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-04
Client ID: GZA-2 10-11
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil

Date Collected: 04/24/14 09:40
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 69.8 | | % | 0.100 | NA | 1 | - | 04/25/14 18:25 | 30,2540G | RT |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-05
Client ID: GZA-3 0.5-1.5
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil

Date Collected: 04/24/14 10:25
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 89.4 | | % | 0.100 | NA | 1 | - | 04/25/14 18:25 | 30,2540G | RT |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-06
Client ID: GZA-4 0.5-1.5
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil

Date Collected: 04/24/14 10:40
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89.4 | | % | 0.100 | NA | 1 | - | 04/25/14 18:25 | 30,2540G | RT |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG685235-1 QC Sample: L1408704-01 Client ID: DUP Sample | | | | | | |
| Solids, Total | 86.9 | 86.7 | % | 0 | | 20 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information Custody Seal**

| Cooler | |
|---|---|
| A | Absent |
| B | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1408689-01A | Amber 250ml unpreserved | A | N/A | 3.5 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1408689-02A | Amber 250ml unpreserved | A | N/A | 3.5 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1408689-03A | Amber 250ml unpreserved | A | N/A | 3.5 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |

*Values in parentheses indicate holding time in days

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

## Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1408689-04A | Amber 250ml unpreserved | A | N/A | 3.5 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1408689-05A | Amber 250ml unpreserved | A | N/A | 3.5 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1408689-06A | Amber 250ml unpreserved | A | N/A | 3.5 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1408689-07A | Vial HCl preserved | A | N/A | 3.5 | Y | Absent | NYTCL-8260(14) |
| L1408689-07B | Vial HCl preserved | A | N/A | 3.5 | Y | Absent | NYTCL-8260(14) |
| L1408689-07C | Vial HCl preserved | A | N/A | 3.5 | Y | Absent | NYTCL-8260(14) |
| L1408689-07D | Plastic 250ml HNO3 preserved | A | <2 | 3.5 | Y | Absent | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1408689-07E | Amber 500ml unpreserved | A | 7 | 3.5 | Y | Absent | NYTCL-8081(7) |
| L1408689-07F | Amber 500ml unpreserved | A | 7 | 3.5 | Y | Absent | NYTCL-8081(7) |
| L1408689-07G | Amber 1000ml unpreserved | A | 7 | 3.5 | Y | Absent | NYTCL-8082-1200ML(7) |

*Values in parentheses indicate holding time in days

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

## Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1408689-07H | Amber 1000ml unpreserved | A | 7 | 3.5 | Y | Absent | NYTCL-8082-1200ML(7) |
| L1408689-07I | Amber 1000ml unpreserved | A | 7 | 3.5 | Y | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1408689-07J | Amber 1000ml unpreserved | A | 7 | 3.5 | Y | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1408689-08A | Plastic 250ml HNO3 preserved | A | <2 | 3.5 | Y | Absent | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1408689-08B | Amber 1000ml unpreserved | A | 7 | 3.5 | Y | Absent | NYTCL-8082-1200ML(7) |
| L1408689-08C | Amber 1000ml unpreserved | A | 7 | 3.5 | Y | Absent | NYTCL-8082-1200ML(7) |
| L1408689-08D | Amber 1000ml unpreserved | A | 7 | 3.5 | Y | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1408689-08E | Amber 1000ml unpreserved | A | 7 | 3.5 | Y | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1408689-09A | Vial HCl preserved | A | N/A | 3.5 | Y | Absent | NYTCL-8260(14) |
| L1408689-09B | Vial HCl preserved | A | N/A | 3.5 | Y | Absent | NYTCL-8260(14) |

## Container Comments

L1408689-01A

L1408689-06A

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | 233 LANDING RD | **Lab Number:** | L1408689 |
| **Project Number:** | 12.0076232.00 | **Report Date:** | 05/01/14 |

# GLOSSARY

### *Acronyms*

| | |
|---|---|
| EDL | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME). |
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The lower value for the two columns has been reported due to obvious interference. |

*Report Format:* DU Report with 'J' Qualifiers

| | | | |
|---|---|---|---|
| **Project Name:** | 233 LANDING RD | **Lab Number:** | L1408689 |
| **Project Number:** | 12.0076232.00 | **Report Date:** | 05/01/14 |

***Data Qualifiers***

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**S** - Analytical results are from modified screening analysis.

**J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

*Report Format:* DU Report with 'J' Qualifiers

**Project Name:** 233 LANDING RD **Lab Number:** L1408689
**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certification Information

Last revised April 15, 2014

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**The following analytes are not included in our NELAP Scope of Accreditation:**

**Westborough Facility**
**EPA 524.2:** Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
**EPA 8260C:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
**EPA 8330A/B:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
**EPA 8270D:** 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
**EPA 625:** 4-Chloroaniline, 4-Methylphenol.
**SM4500**: Soil: Total Phosphorus, TKN, NO2, NO3.
**EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

**Mansfield Facility**
**EPA 8270D:** Biphenyl.
**EPA 2540D:** TSS
**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

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**The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:**

***Drinking Water***
**EPA 200.8**: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
**EPA 300.0**: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
**EPA 332**: Perchlorate.
**Microbiology**: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

***Non-Potable Water***
**EPA 200.8**: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
**EPA 200.7**: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
**EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH**, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
**EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
**EPA 624**: Volatile Halocarbons & Aromatics,
**EPA 608**: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
**EPA 625**: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
**Microbiology**: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

---

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

# NEW JERSEY CHAIN OF CUSTODY

**Service Centers**
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page ___ of ___

Date Rec'd in Lab: 4/25/14

ALPHA Job #: L1408689

**Client Information**
Client: GZA
Address: 55 Lane Rd
Fairfield NJ 07004
Phone: 973-774-3300
Fax:
Email: brett.engard@gza.com

**Project Information**
Project Name: 233 Landing Rd
Project Location: 233 Landing Rd, Bronx, NY
Project # 12.0076232.00
(Use Project name as Project #) ☐
Project Manager: B. Alter
ALPHAQuote #:

**Turn-Around Time**
Standard ☒ Due Date: 5/1/14
Rush (only if pre approved) ☐ # of Days:

**Deliverables**
☐ NJ Full / Reduced
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

**Regulatory Requirement**
☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☒ Other NYSDEC Part 375

**Billing Information**
☐ Same as Client Info
PO #

**Site Information**
Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

**For EPH, selection is REQUIRED:**
☐ Category 1
☐ Category 2

**For VOC, selection is REQUIRED:**
☐ 1,4-Dioxane
☐ 8011

**Other project specific requirements/comments:**
**Please specify Metals or TAL.**

***Sample Filtration***
☐ Done
☐ Lab to do
***Preservation***
☐ Lab to do
***(Please Specify below)***

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | SVOCs | PCBs | TAL Metals | VOC | Pest | | | | Sample Specific Comments | Total Bottle |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08689-01 | GZA-1 0.5-1.5 | 4/24/14 | 9:05 | Soil | MM | X | X | X | | | | | | | 1 |
| -02 | GZA-1 10-11 | | 9:15 | Soil | MM | X | X | X | | | | | | | 1 |
| -03 | GZA-2 0.5-1.5 | | 9:35 | Soil | MM | X | X | X | | | | | | | 1 |
| -04 | GZA-2 10-11 | | 9:40 | Soil | MM | X | X | X | | | | | | | 1 |
| -05 | GZA-3 0.5-1.5 | | 1025 | Soil | MM | X | X | X | | | | | | | 1 |
| -06 | GZA-4 0.5-1.5 | | 1040 | Soil | MM | X | X | X | | | | | | | 1 |
| -07 | TW-1 | | 1130 | Water | MM | X | X | X | X | X | | | | | 11 |
| -08 | Field Blank | | 1200 | Water | MM | X | X | X | | | | | | | 6 |
| -09 | Trip Blank | | | Water | MM | | | | X | | | | | | 3 |
| | | | | | | | | | | | | | | | |

Preservative Code:
A = None
B = HCl
C = $HNO_3$
D = $H_2SO_4$
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Container Type | | | | | | | | | |
| Preservative | | | | | | | | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 16:04 4/24 | [signature] (AHL) | 4-24-14 16:05 |
| [signature] | 4-24-14 1815 | Tom Toner | 4-24-14 1815 |
| Tom Toner | 4-25-14 00:05 | [signature] | 4/25/14 00:05 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)

# APPENDIX F

# APPENDIX G

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1408726 |
| Client: | GZA GeoEnvironmental, Inc.<br>55 Lane Road<br>Suite 407<br>Fairfield, NJ 07004 |
| ATTN: | Benjamin Alter |
| Phone: | (973) 774-3300 |
| Project Name: | 233 LANDING RD |
| Project Number: | 12.0076232.00 |
| Report Date: | 04/30/14 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1408726-01 | SG-1 | 233 LANDING RD, BRONX, NY | 04/24/14 13:15 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408726
**Project Number:** 12.0076232.00 **Report Date:** 04/30/14

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

| | | | |
|---|---|---|---|
| **Project Name:** | 233 LANDING RD | **Lab Number:** | L1408726 |
| **Project Number:** | 12.0076232.00 | **Report Date:** | 04/30/14 |

**Case Narrative (continued)**

Volatile Organics in Air

Canisters were released from the laboratory on April 15, 2014. The canister certification results are provided as an addendum.

WG685949-5: The relative percent difference for Dichlorodifluoromethane (35%) is above the RPD limit of 25%. This compound represented less than 10% of the compounds detected, therefore no further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative

Date: 04/30/14

# AIR

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00
**Lab Number:** L1408726
**Report Date:** 04/30/14

## SAMPLE RESULTS

Lab ID: L1408726-01
Client ID: SG-1
Sample Location: 233 LANDING RD, BRONX, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/30/14 00:49
Analyst: RY

Date Collected: 04/24/14 13:15
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | 0.367 | 0.200 | -- | 1.81 | 0.989 | -- | | 1 |
| Chloromethane | 3.23 | 0.200 | -- | 6.67 | 0.413 | -- | | 1 |
| Freon-114 | ND | 0.200 | -- | ND | 1.40 | -- | | 1 |
| Vinyl chloride | 0.434 | 0.200 | -- | 1.11 | 0.511 | -- | | 1 |
| 1,3-Butadiene | 4.82 | 0.200 | -- | 10.7 | 0.442 | -- | | 1 |
| Bromomethane | ND | 0.200 | -- | ND | 0.777 | -- | | 1 |
| Chloroethane | 0.502 | 0.200 | -- | 1.32 | 0.528 | -- | | 1 |
| Ethanol | 24.7 | 2.50 | -- | 46.5 | 4.71 | -- | | 1 |
| Vinyl bromide | ND | 0.200 | -- | ND | 0.874 | -- | | 1 |
| Acetone | 161 | 1.00 | -- | 382 | 2.38 | -- | | 1 |
| Trichlorofluoromethane | 0.485 | 0.200 | -- | 2.73 | 1.12 | -- | | 1 |
| Isopropanol | ND | 0.500 | -- | ND | 1.23 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Tertiary butyl Alcohol | ND | 0.500 | -- | ND | 1.52 | -- | | 1 |
| Methylene chloride | ND | 1.00 | -- | ND | 3.47 | -- | | 1 |
| 3-Chloropropene | ND | 0.200 | -- | ND | 0.626 | -- | | 1 |
| Carbon disulfide | 36.0 | 0.200 | -- | 112 | 0.623 | -- | | 1 |
| Freon-113 | ND | 0.200 | -- | ND | 1.53 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| Methyl tert butyl ether | 0.820 | 0.200 | -- | 2.96 | 0.721 | -- | | 1 |
| 2-Butanone | 3.93 | 0.200 | -- | 11.6 | 0.590 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Ethyl Acetate | ND | 0.500 | -- | ND | 1.80 | -- | | 1 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00
**Lab Number:** L1408726
**Report Date:** 04/30/14

## SAMPLE RESULTS

Lab ID: L1408726-01
Client ID: SG-1
Sample Location: 233 LANDING RD, BRONX, NY
Date Collected: 04/24/14 13:15
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Chloroform | 0.351 | 0.200 | -- | 1.71 | 0.977 | -- | | 1 |
| Tetrahydrofuran | ND | 0.200 | -- | ND | 0.590 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| n-Hexane | 9.07 | 0.200 | -- | 32.0 | 0.705 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Benzene | 9.32 | 0.200 | -- | 29.8 | 0.639 | -- | | 1 |
| Carbon tetrachloride | ND | 0.200 | -- | ND | 1.26 | -- | | 1 |
| Cyclohexane | 3.64 | 0.200 | -- | 12.5 | 0.688 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Bromodichloromethane | 0.261 | 0.200 | -- | 1.75 | 1.34 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Trichloroethene | 1.50 | 0.200 | -- | 8.06 | 1.07 | -- | | 1 |
| 2,2,4-Trimethylpentane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Heptane | 3.66 | 0.200 | -- | 15.0 | 0.820 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 4-Methyl-2-pentanone | 0.769 | 0.200 | -- | 3.15 | 0.820 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Toluene | 4.16 | 0.200 | -- | 15.7 | 0.754 | -- | | 1 |
| 2-Hexanone | 0.422 | 0.200 | -- | 1.73 | 0.820 | -- | | 1 |
| Dibromochloromethane | ND | 0.200 | -- | ND | 1.70 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.200 | -- | ND | 1.54 | -- | | 1 |
| Tetrachloroethene | 0.819 | 0.200 | -- | 5.55 | 1.36 | -- | | 1 |
| Chlorobenzene | ND | 0.200 | -- | ND | 0.921 | -- | | 1 |
| Ethylbenzene | 1.18 | 0.200 | -- | 5.13 | 0.869 | -- | | 1 |
| p/m-Xylene | 2.81 | 0.400 | -- | 12.2 | 1.74 | -- | | 1 |
| Bromoform | ND | 0.200 | -- | ND | 2.07 | -- | | 1 |
| Styrene | 0.206 | 0.200 | -- | 0.877 | 0.852 | -- | | 1 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00
**Lab Number:** L1408726
**Report Date:** 04/30/14

## SAMPLE RESULTS

Lab ID: L1408726-01
Client ID: SG-1
Sample Location: 233 LANDING RD, BRONX, NY
Date Collected: 04/24/14 13:15
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| o-Xylene | 1.30 | 0.200 | -- | 5.65 | 0.869 | -- | | 1 |
| 4-Ethyltoluene | 0.339 | 0.200 | -- | 1.67 | 0.983 | -- | | 1 |
| 1,3,5-Trimethylbenzene | 0.356 | 0.200 | -- | 1.75 | 0.983 | -- | | 1 |
| 1,2,4-Trimethylbenzene | 1.24 | 0.200 | -- | 6.10 | 0.983 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.200 | -- | ND | 2.13 | -- | | 1 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-Difluorobenzene | 102 | | 60-140 |
| Bromochloromethane | 101 | | 60-140 |
| chlorobenzene-d5 | 107 | | 60-140 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/29/14 14:42

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG685949-4 | | | | | | | | |
| Propylene | ND | 0.500 | -- | ND | 0.861 | -- | | 1 |
| Dichlorodifluoromethane | ND | 0.200 | -- | ND | 0.989 | -- | | 1 |
| Chloromethane | ND | 0.200 | -- | ND | 0.413 | -- | | 1 |
| Freon-114 | ND | 0.200 | -- | ND | 1.40 | -- | | 1 |
| Vinyl chloride | ND | 0.200 | -- | ND | 0.511 | -- | | 1 |
| 1,3-Butadiene | ND | 0.200 | -- | ND | 0.442 | -- | | 1 |
| Bromomethane | ND | 0.200 | -- | ND | 0.777 | -- | | 1 |
| Chloroethane | ND | 0.200 | -- | ND | 0.528 | -- | | 1 |
| Ethanol | ND | 2.50 | -- | ND | 4.71 | -- | | 1 |
| Vinyl bromide | ND | 0.200 | -- | ND | 0.874 | -- | | 1 |
| Acetone | ND | 1.00 | -- | ND | 2.38 | -- | | 1 |
| Trichlorofluoromethane | ND | 0.200 | -- | ND | 1.12 | -- | | 1 |
| Isopropanol | ND | 0.500 | -- | ND | 1.23 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Tertiary butyl Alcohol | ND | 0.500 | -- | ND | 1.52 | -- | | 1 |
| Methylene chloride | ND | 1.00 | -- | ND | 3.47 | -- | | 1 |
| 3-Chloropropene | ND | 0.200 | -- | ND | 0.626 | -- | | 1 |
| Carbon disulfide | ND | 0.200 | -- | ND | 0.623 | -- | | 1 |
| Freon-113 | ND | 0.200 | -- | ND | 1.53 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| Methyl tert butyl ether | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Vinyl acetate | ND | 0.200 | -- | ND | 0.704 | -- | | 1 |
| 2-Butanone | ND | 0.200 | -- | ND | 0.590 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00
**Lab Number:** L1408726
**Report Date:** 04/30/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/29/14 14:42

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG685949-4 | | | | | | | | |
| Ethyl Acetate | ND | 0.500 | -- | ND | 1.80 | -- | | 1 |
| Chloroform | ND | 0.200 | -- | ND | 0.977 | -- | | 1 |
| Tetrahydrofuran | ND | 0.200 | -- | ND | 0.590 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| n-Hexane | ND | 0.200 | -- | ND | 0.705 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Benzene | ND | 0.200 | -- | ND | 0.639 | -- | | 1 |
| Carbon tetrachloride | ND | 0.200 | -- | ND | 1.26 | -- | | 1 |
| Cyclohexane | ND | 0.200 | -- | ND | 0.688 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Bromodichloromethane | ND | 0.200 | -- | ND | 1.34 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Trichloroethene | ND | 0.200 | -- | ND | 1.07 | -- | | 1 |
| 2,2,4-Trimethylpentane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Heptane | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 4-Methyl-2-pentanone | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Toluene | ND | 0.200 | -- | ND | 0.754 | -- | | 1 |
| 2-Hexanone | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| Dibromochloromethane | ND | 0.200 | -- | ND | 1.70 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.200 | -- | ND | 1.54 | -- | | 1 |
| Tetrachloroethene | ND | 0.200 | -- | ND | 1.36 | -- | | 1 |
| Chlorobenzene | ND | 0.200 | -- | ND | 0.921 | -- | | 1 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/29/14 14:42

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG685949-4 | | | | | | | | |
| Ethylbenzene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| p/m-Xylene | ND | 0.400 | -- | ND | 1.74 | -- | | 1 |
| Bromoform | ND | 0.200 | -- | ND | 2.07 | -- | | 1 |
| Styrene | ND | 0.200 | -- | ND | 0.852 | -- | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| o-Xylene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,3,5-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.200 | -- | ND | 2.13 | -- | | 1 |

| | Results | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| Tentatively Identified Compounds | | | | | |
| No Tentatively Identified Compounds | | | | | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG685949-3 | | | | | | | | |
| Chlorodifluoromethane | 94 | | - | | 70-130 | - | | |
| Propylene | 98 | | - | | 70-130 | - | | |
| Propane | 76 | | - | | 70-130 | - | | |
| Dichlorodifluoromethane | 90 | | - | | 70-130 | - | | |
| Chloromethane | 110 | | - | | 70-130 | - | | |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | 113 | | - | | 70-130 | - | | |
| Methanol | 89 | | - | | 70-130 | - | | |
| Vinyl chloride | 118 | | - | | 70-130 | - | | |
| 1,3-Butadiene | 111 | | - | | 70-130 | - | | |
| Butane | 101 | | - | | 70-130 | - | | |
| Bromomethane | 110 | | - | | 70-130 | - | | |
| Chloroethane | 112 | | - | | 70-130 | - | | |
| Ethyl Alcohol | 93 | | - | | 70-130 | - | | |
| Dichlorofluoromethane | 106 | | - | | 70-130 | - | | |
| Vinyl bromide | 106 | | - | | 70-130 | - | | |
| Acrolein | 97 | | - | | 70-130 | - | | |
| Acetone | 112 | | - | | 70-130 | - | | |
| Acetonitrile | 105 | | - | | 70-130 | - | | |
| Trichlorofluoromethane | 116 | | - | | 70-130 | - | | |
| iso-Propyl Alcohol | 105 | | - | | 70-130 | - | | |
| Acrylonitrile | 97 | | - | | 70-130 | - | | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG685949-3 | | | | | | | | |
| Pentane | 95 | | - | | 70-130 | - | | |
| Ethyl ether | 84 | | - | | 70-130 | - | | |
| 1,1-Dichloroethene | 107 | | - | | 70-130 | - | | |
| tert-Butyl Alcohol | 100 | | - | | 70-130 | - | | |
| Methylene chloride | 102 | | - | | 70-130 | - | | |
| 3-Chloropropene | 100 | | - | | 70-130 | - | | |
| Carbon disulfide | 94 | | - | | 70-130 | - | | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 107 | | - | | 70-130 | - | | |
| trans-1,2-Dichloroethene | 93 | | - | | 70-130 | - | | |
| 1,1-Dichloroethane | 105 | | - | | 70-130 | - | | |
| Methyl tert butyl ether | 90 | | - | | 70-130 | - | | |
| Vinyl acetate | 124 | | - | | 70-130 | - | | |
| 2-Butanone | 92 | | - | | 70-130 | - | | |
| cis-1,2-Dichloroethene | 115 | | - | | 70-130 | - | | |
| Ethyl Acetate | 111 | | - | | 70-130 | - | | |
| Chloroform | 110 | | - | | 70-130 | - | | |
| Tetrahydrofuran | 89 | | - | | 70-130 | - | | |
| 2,2-Dichloropropane | 90 | | - | | 70-130 | - | | |
| 1,2-Dichloroethane | 109 | | - | | 70-130 | - | | |
| n-Hexane | 100 | | - | | 70-130 | - | | |
| Isopropyl Ether | 94 | | - | | 70-130 | - | | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG685949-3 | | | | | | | | |
| Ethyl-Tert-Butyl-Ether | 92 | | - | | 70-130 | - | | |
| 1,1,1-Trichloroethane | 107 | | - | | 70-130 | - | | |
| 1,1-Dichloropropene | 96 | | - | | 70-130 | - | | |
| Benzene | 101 | | - | | 70-130 | - | | |
| Carbon tetrachloride | 108 | | - | | 70-130 | - | | |
| Cyclohexane | 98 | | - | | 70-130 | - | | |
| Tertiary-Amyl Methyl Ether | 89 | | - | | 70-130 | - | | |
| Dibromomethane | 102 | | - | | 70-130 | - | | |
| 1,2-Dichloropropane | 107 | | - | | 70-130 | - | | |
| Bromodichloromethane | 100 | | - | | 70-130 | - | | |
| 1,4-Dioxane | 96 | | - | | 70-130 | - | | |
| Trichloroethene | 111 | | - | | 70-130 | - | | |
| 2,2,4-Trimethylpentane | 103 | | - | | 70-130 | - | | |
| Methyl methacrylate | 100 | | - | | 70-130 | - | | |
| Heptane | 92 | | - | | 70-130 | - | | |
| cis-1,3-Dichloropropene | 105 | | - | | 70-130 | - | | |
| 4-Methyl-2-pentanone | 97 | | - | | 70-130 | - | | |
| trans-1,3-Dichloropropene | 89 | | - | | 70-130 | - | | |
| 1,1,2-Trichloroethane | 109 | | - | | 70-130 | - | | |
| Toluene | 103 | | - | | 70-130 | - | | |
| 1,3-Dichloropropane | 97 | | - | | 70-130 | - | | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG685949-3 | | | | | | | | |
| 2-Hexanone | 103 | | - | | 70-130 | - | | |
| Dibromochloromethane | 96 | | - | | 70-130 | - | | |
| 1,2-Dibromoethane | 105 | | - | | 70-130 | - | | |
| Butyl Acetate | 97 | | - | | 70-130 | - | | |
| Octane | 94 | | - | | 70-130 | - | | |
| Tetrachloroethene | 108 | | - | | 70-130 | - | | |
| 1,1,1,2-Tetrachloroethane | 100 | | - | | 70-130 | - | | |
| Chlorobenzene | 109 | | - | | 70-130 | - | | |
| Ethylbenzene | 104 | | - | | 70-130 | - | | |
| p/m-Xylene | 106 | | - | | 70-130 | - | | |
| Bromoform | 90 | | - | | 70-130 | - | | |
| Styrene | 103 | | - | | 70-130 | - | | |
| 1,1,2,2-Tetrachloroethane | 112 | | - | | 70-130 | - | | |
| o-Xylene | 108 | | - | | 70-130 | - | | |
| 1,2,3-Trichloropropane | 99 | | - | | 70-130 | - | | |
| Nonane (C9) | 94 | | - | | 70-130 | - | | |
| Isopropylbenzene | 102 | | - | | 70-130 | - | | |
| Bromobenzene | 96 | | - | | 70-130 | - | | |
| o-Chlorotoluene | 100 | | - | | 70-130 | - | | |
| n-Propylbenzene | 101 | | - | | 70-130 | - | | |
| p-Chlorotoluene | 100 | | - | | 70-130 | - | | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG685949-3 | | | | | | | | |
| 4-Ethyltoluene | 92 | | - | | 70-130 | - | | |
| 1,3,5-Trimethylbenzene | 107 | | - | | 70-130 | - | | |
| tert-Butylbenzene | 101 | | - | | 70-130 | - | | |
| 1,2,4-Trimethylbenzene | 111 | | - | | 70-130 | - | | |
| Decane (C10) | 104 | | - | | 70-130 | - | | |
| Benzyl chloride | 76 | | - | | 70-130 | - | | |
| 1,3-Dichlorobenzene | 114 | | - | | 70-130 | - | | |
| 1,4-Dichlorobenzene | 112 | | - | | 70-130 | - | | |
| sec-Butylbenzene | 103 | | - | | 70-130 | - | | |
| p-Isopropyltoluene | 94 | | - | | 70-130 | - | | |
| 1,2-Dichlorobenzene | 112 | | - | | 70-130 | - | | |
| n-Butylbenzene | 107 | | - | | 70-130 | - | | |
| 1,2-Dibromo-3-chloropropane | 98 | | - | | 70-130 | - | | |
| Undecane | 108 | | - | | 70-130 | - | | |
| Dodecane (C12) | 121 | | - | | 70-130 | - | | |
| 1,2,4-Trichlorobenzene | 121 | | - | | 70-130 | - | | |
| Naphthalene | 107 | | - | | 70-130 | - | | |
| 1,2,3-Trichlorobenzene | 109 | | - | | 70-130 | - | | |
| Hexachlorobutadiene | 124 | | - | | 70-130 | - | | |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG685949-5 QC Sample: L1408812-01 Client ID: DUP Sample | | | | | | |
| Propylene | 0.855 | 0.732 | ppbV | 16 | | 25 |
| Dichlorodifluoromethane | 0.304 | 0.214 | ppbV | **35** | Q | 25 |
| Chloromethane | ND | ND | ppbV | NC | | 25 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | ND | ppbV | NC | | 25 |
| Vinyl chloride | ND | ND | ppbV | NC | | 25 |
| 1,3-Butadiene | ND | ND | ppbV | NC | | 25 |
| Bromomethane | ND | ND | ppbV | NC | | 25 |
| Chloroethane | ND | ND | ppbV | NC | | 25 |
| Ethyl Alcohol | 3.16 | 3.38 | ppbV | 7 | | 25 |
| Vinyl bromide | ND | ND | ppbV | NC | | 25 |
| Acetone | 78.1 | 74.3 | ppbV | 5 | | 25 |
| Trichlorofluoromethane | 0.317 | 0.302 | ppbV | 5 | | 25 |
| iso-Propyl Alcohol | 11.9 | 12.2 | ppbV | 2 | | 25 |
| 1,1-Dichloroethene | ND | ND | ppbV | NC | | 25 |
| Methylene chloride | ND | ND | ppbV | NC | | 25 |
| 3-Chloropropene | ND | ND | ppbV | NC | | 25 |
| Carbon disulfide | 0.302 | 0.283 | ppbV | 6 | | 25 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | ND | ppbV | NC | | 25 |
| trans-1,2-Dichloroethene | ND | ND | ppbV | NC | | 25 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG685949-5 QC Sample: L1408812-01 Client ID: DUP Sample | | | | | |
| 1,1-Dichloroethane | ND | ND | ppbV | NC | 25 |
| Methyl tert butyl ether | ND | ND | ppbV | NC | 25 |
| Vinyl acetate | ND | ND | ppbV | NC | 25 |
| 2-Butanone | 2.63 | 2.50 | ppbV | 5 | 25 |
| cis-1,2-Dichloroethene | ND | ND | ppbV | NC | 25 |
| Ethyl Acetate | 1.62 | 1.54 | ppbV | 5 | 25 |
| Chloroform | 0.383 | 0.377 | ppbV | 2 | 25 |
| Tetrahydrofuran | 0.686 | 0.672 | ppbV | 2 | 25 |
| 1,2-Dichloroethane | ND | ND | ppbV | NC | 25 |
| n-Hexane | 0.308 | 0.301 | ppbV | 2 | 25 |
| 1,1,1-Trichloroethane | ND | ND | ppbV | NC | 25 |
| Benzene | 0.315 | 0.317 | ppbV | 1 | 25 |
| Carbon tetrachloride | ND | ND | ppbV | NC | 25 |
| Cyclohexane | 0.250 | 0.232 | ppbV | 7 | 25 |
| 1,2-Dichloropropane | ND | ND | ppbV | NC | 25 |
| Bromodichloromethane | ND | ND | ppbV | NC | 25 |
| 1,4-Dioxane | ND | ND | ppbV | NC | 25 |
| Trichloroethene | ND | ND | ppbV | NC | 25 |
| 2,2,4-Trimethylpentane | ND | ND | ppbV | NC | 25 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG685949-5 QC Sample: L1408812-01 Client ID: DUP Sample | | | | | |
| Heptane | 0.353 | 0.363 | ppbV | 3 | 25 |
| cis-1,3-Dichloropropene | ND | ND | ppbV | NC | 25 |
| 4-Methyl-2-pentanone | 0.718 | 0.659 | ppbV | 9 | 25 |
| trans-1,3-Dichloropropene | ND | ND | ppbV | NC | 25 |
| 1,1,2-Trichloroethane | ND | ND | ppbV | NC | 25 |
| Toluene | 2.09 | 2.20 | ppbV | 5 | 25 |
| 2-Hexanone | ND | ND | ppbV | NC | 25 |
| Dibromochloromethane | ND | ND | ppbV | NC | 25 |
| 1,2-Dibromoethane | ND | ND | ppbV | NC | 25 |
| Tetrachloroethene | ND | ND | ppbV | NC | 25 |
| Chlorobenzene | ND | ND | ppbV | NC | 25 |
| Ethylbenzene | 0.484 | 0.510 | ppbV | 5 | 25 |
| p/m-Xylene | 2.02 | 2.11 | ppbV | 4 | 25 |
| Bromoform | ND | ND | ppbV | NC | 25 |
| Styrene | ND | ND | ppbV | NC | 25 |
| 1,1,2,2-Tetrachloroethane | ND | ND | ppbV | NC | 25 |
| o-Xylene | 0.750 | 0.768 | ppbV | 2 | 25 |
| 4-Ethyltoluene | 0.269 | 0.274 | ppbV | 2 | 25 |
| 1,3,5-Trimethylbenzene | 0.288 | 0.310 | ppbV | 7 | 25 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG685949-5 QC Sample: L1408812-01 Client ID: DUP Sample | | | | | |
| 1,2,4-Trimethylbenzene | 1.32 | 1.38 | ppbV | 4 | 25 |
| Benzyl chloride | ND | ND | ppbV | NC | 25 |
| 1,3-Dichlorobenzene | 0.521 | 0.553 | ppbV | 6 | 25 |
| 1,4-Dichlorobenzene | ND | ND | ppbV | NC | 25 |
| 1,2-Dichlorobenzene | ND | ND | ppbV | NC | 25 |
| 1,2,4-Trichlorobenzene | ND | ND | ppbV | NC | 25 |
| Hexachlorobutadiene | ND | ND | ppbV | NC | 25 |

**Project Name:** 233 LANDING RD

**Lab Number:** L1408726

**Project Number:** 12.0076232.00

**Report Date:** 04/30/14

## Canister and Flow Controller Information

| Samplenum | Client ID | Media ID | Media Type | Date Prepared | Bottle Order | Cleaning Batch ID | Can Leak Check | Initial Pressure (in. Hg) | Pressure on Receipt (in. Hg) | Flow Controler Leak Chk | Flow Out mL/min | Flow In mL/min | % RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1408726-01 | SG-1 | 0581 | #30 SV | 04/15/14 | 101271 | | - | - | - | Pass | 40 | 42 | 5 |
| L1408726-01 | SG-1 | 1812 | 6.0L Can | 04/15/14 | 101271 | L1407475-03 | Pass | -29.7 | -5.8 | - | - | - | - |

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1407475
**Report Date:** 04/30/14

# Air Canister Certification Results

Lab ID: L1407475-03
Client ID: CAN 1866 SHELF 41
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/10/14 14:42
Analyst: AR

Date Collected: 04/09/14 15:39
Date Received: 04/10/14
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Chlorodifluoromethane | ND | 0.200 | -- | ND | 0.707 | -- | | 1 |
| Propylene | ND | 0.500 | -- | ND | 0.861 | -- | | 1 |
| Propane | ND | 0.500 | -- | ND | 0.902 | -- | | 1 |
| Dichlorodifluoromethane | ND | 0.200 | -- | ND | 0.989 | -- | | 1 |
| Chloromethane | ND | 0.200 | -- | ND | 0.413 | -- | | 1 |
| Freon-114 | ND | 0.200 | -- | ND | 1.40 | -- | | 1 |
| Methanol | ND | 5.00 | -- | ND | 6.55 | -- | | 1 |
| Vinyl chloride | ND | 0.200 | -- | ND | 0.511 | -- | | 1 |
| 1,3-Butadiene | ND | 0.200 | -- | ND | 0.442 | -- | | 1 |
| Butane | ND | 0.200 | -- | ND | 0.475 | -- | | 1 |
| Bromomethane | ND | 0.200 | -- | ND | 0.777 | -- | | 1 |
| Chloroethane | ND | 0.200 | -- | ND | 0.528 | -- | | 1 |
| Ethanol | ND | 2.50 | -- | ND | 4.71 | -- | | 1 |
| Dichlorofluoromethane | ND | 0.200 | -- | ND | 0.842 | -- | | 1 |
| Vinyl bromide | ND | 0.200 | -- | ND | 0.874 | -- | | 1 |
| Acrolein | ND | 0.500 | -- | ND | 1.15 | -- | | 1 |
| Acetone | ND | 1.00 | -- | ND | 2.38 | -- | | 1 |
| Acetonitrile | ND | 0.200 | -- | ND | 0.336 | -- | | 1 |
| Trichlorofluoromethane | ND | 0.200 | -- | ND | 1.12 | -- | | 1 |
| Isopropanol | ND | 0.500 | -- | ND | 1.23 | -- | | 1 |
| Acrylonitrile | ND | 0.200 | -- | ND | 0.434 | -- | | 1 |
| Pentane | ND | 0.200 | -- | ND | 0.590 | -- | | 1 |
| Ethyl ether | ND | 0.200 | -- | ND | 0.606 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Tertiary butyl Alcohol | ND | 0.500 | -- | ND | 1.52 | -- | | 1 |

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1407475
**Report Date:** 04/30/14

# Air Canister Certification Results

Lab ID: L1407475-03
Client ID: CAN 1866 SHELF 41
Sample Location:

Date Collected: 04/09/14 15:39
Date Received: 04/10/14
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Methylene chloride | ND | 1.00 | -- | ND | 3.47 | -- | | 1 |
| 3-Chloropropene | ND | 0.200 | -- | ND | 0.626 | -- | | 1 |
| Carbon disulfide | ND | 0.200 | -- | ND | 0.623 | -- | | 1 |
| Freon-113 | ND | 0.200 | -- | ND | 1.53 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| Methyl tert butyl ether | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Vinyl acetate | ND | 0.200 | -- | ND | 0.704 | -- | | 1 |
| 2-Butanone | ND | 0.200 | -- | ND | 0.590 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Ethyl Acetate | ND | 0.500 | -- | ND | 1.80 | -- | | 1 |
| Chloroform | ND | 0.200 | -- | ND | 0.977 | -- | | 1 |
| Tetrahydrofuran | ND | 0.200 | -- | ND | 0.590 | -- | | 1 |
| 2,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| n-Hexane | ND | 0.200 | -- | ND | 0.705 | -- | | 1 |
| Diisopropyl ether | ND | 0.200 | -- | ND | 0.836 | -- | | 1 |
| tert-Butyl Ethyl Ether | ND | 0.200 | -- | ND | 0.836 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| 1,1-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| Benzene | ND | 0.200 | -- | ND | 0.639 | -- | | 1 |
| Carbon tetrachloride | ND | 0.200 | -- | ND | 1.26 | -- | | 1 |
| Cyclohexane | ND | 0.200 | -- | ND | 0.688 | -- | | 1 |
| tert-Amyl Methyl Ether | ND | 0.200 | -- | ND | 0.836 | -- | | 1 |
| Dibromomethane | ND | 0.200 | -- | ND | 1.42 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Bromodichloromethane | ND | 0.200 | -- | ND | 1.34 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1407475
**Report Date:** 04/30/14

# Air Canister Certification Results

Lab ID: L1407475-03
Client ID: CAN 1866 SHELF 41
Sample Location:

Date Collected: 04/09/14 15:39
Date Received: 04/10/14
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Trichloroethene | ND | 0.200 | -- | ND | 1.07 | -- | | 1 |
| 2,2,4-Trimethylpentane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Methyl Methacrylate | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| Heptane | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 4-Methyl-2-pentanone | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Toluene | ND | 0.200 | -- | ND | 0.754 | -- | | 1 |
| 1,3-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| 2-Hexanone | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| Dibromochloromethane | ND | 0.200 | -- | ND | 1.70 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.200 | -- | ND | 1.54 | -- | | 1 |
| Butyl acetate | ND | 0.500 | -- | ND | 2.38 | -- | | 1 |
| Octane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Tetrachloroethene | ND | 0.200 | -- | ND | 1.36 | -- | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| Chlorobenzene | ND | 0.200 | -- | ND | 0.921 | -- | | 1 |
| Ethylbenzene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| p/m-Xylene | ND | 0.400 | -- | ND | 1.74 | -- | | 1 |
| Bromoform | ND | 0.200 | -- | ND | 2.07 | -- | | 1 |
| Styrene | ND | 0.200 | -- | ND | 0.852 | -- | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| o-Xylene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| 1,2,3-Trichloropropane | ND | 0.200 | -- | ND | 1.21 | -- | | 1 |
| Nonane | ND | 0.200 | -- | ND | 1.05 | -- | | 1 |
| Isopropylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| Bromobenzene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT
**Lab Number:** L1407475
**Report Date:** 04/30/14

# Air Canister Certification Results

Lab ID: L1407475-03
Client ID: CAN 1866 SHELF 41
Sample Location:

Date Collected: 04/09/14 15:39
Date Received: 04/10/14
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| 2-Chlorotoluene | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| n-Propylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 4-Chlorotoluene | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,3,5-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| tert-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| Decane | ND | 0.200 | -- | ND | 1.16 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| sec-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| p-Isopropyltoluene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| n-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | 0.200 | -- | ND | 1.93 | -- | | 1 |
| Undecane | ND | 0.200 | -- | ND | 1.28 | -- | | 1 |
| Dodecane | ND | 0.200 | -- | ND | 1.39 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Naphthalene | ND | 0.200 | -- | ND | 1.05 | -- | | 1 |
| 1,2,3-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.200 | -- | ND | 2.13 | -- | | 1 |

| | Results | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| Tentatively Identified Compounds | | | | | |
| No Tentatively Identified Compounds | | | | | |

**Project Name:** BATCH CANISTER CERTIFICATION **Lab Number:** L1407475

**Project Number:** CANISTER QC BAT **Report Date:** 04/30/14

# Air Canister Certification Results

Lab ID: L1407475-03 Date Collected: 04/09/14 15:39

Client ID: CAN 1866 SHELF 41 Date Received: 04/10/14

Sample Location: Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-Difluorobenzene | 96 | | 60-140 |
| Bromochloromethane | 99 | | 60-140 |
| chlorobenzene-d5 | 94 | | 60-140 |

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1407475
**Report Date:** 04/30/14

# Air Canister Certification Results

| | | | |
|---|---|---|---|
| Lab ID: | L1407475-03 | Date Collected: | 04/09/14 15:39 |
| Client ID: | CAN 1866 SHELF 41 | Date Received: | 04/10/14 |
| Sample Location: | | Field Prep: | Not Specified |
| Matrix: | Air | | |
| Anaytical Method: | 48,TO-15-SIM | | |
| Analytical Date: | 04/10/14 14:42 | | |
| Analyst: | AR | | |

| | ppbV | | | ug/m3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **Parameter** | **Results** | **RL** | **MDL** | **Results** | **RL** | **MDL** | **Qualifier** | **Dilution Factor** |
| Volatile Organics in Air by SIM - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | ND | 0.050 | -- | ND | 0.247 | -- | | 1 |
| Chloromethane | ND | 0.500 | -- | ND | 1.03 | -- | | 1 |
| Freon-114 | ND | 0.050 | -- | ND | 0.349 | -- | | 1 |
| Vinyl chloride | ND | 0.020 | -- | ND | 0.051 | -- | | 1 |
| 1,3-Butadiene | ND | 0.020 | -- | ND | 0.044 | -- | | 1 |
| Bromomethane | ND | 0.020 | -- | ND | 0.078 | -- | | 1 |
| Chloroethane | ND | 0.020 | -- | ND | 0.053 | -- | | 1 |
| Acetone | ND | 2.00 | -- | ND | 4.75 | -- | | 1 |
| Trichlorofluoromethane | ND | 0.050 | -- | ND | 0.281 | -- | | 1 |
| Acrylonitrile | ND | 0.500 | -- | ND | 1.09 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.020 | -- | ND | 0.079 | -- | | 1 |
| Methylene chloride | ND | 1.00 | -- | ND | 3.47 | -- | | 1 |
| Freon-113 | ND | 0.050 | -- | ND | 0.383 | -- | | 1 |
| Halothane | ND | 0.050 | -- | ND | 0.404 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.020 | -- | ND | 0.079 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.020 | -- | ND | 0.081 | -- | | 1 |
| Methyl tert butyl ether | ND | 0.020 | -- | ND | 0.072 | -- | | 1 |
| 2-Butanone | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.020 | -- | ND | 0.079 | -- | | 1 |
| Chloroform | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.020 | -- | ND | 0.081 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.020 | -- | ND | 0.109 | -- | | 1 |
| Benzene | ND | 0.100 | -- | ND | 0.319 | -- | | 1 |
| Carbon tetrachloride | ND | 0.020 | -- | ND | 0.126 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.020 | -- | ND | 0.092 | -- | | 1 |

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1407475
**Report Date:** 04/30/14

# Air Canister Certification Results

Lab ID: L1407475-03
Client ID: CAN 1866 SHELF 41
Sample Location:

Date Collected: 04/09/14 15:39
Date Received: 04/10/14
Field Prep: Not Specified

| | ppbV | | | ug/m3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **Parameter** | **Results** | **RL** | **MDL** | **Results** | **RL** | **MDL** | **Qualifier** | **Dilution Factor** |
| Volatile Organics in Air by SIM - Mansfield Lab | | | | | | | | |
| Bromodichloromethane | ND | 0.020 | -- | ND | 0.134 | -- | | 1 |
| 1,4-Dioxane | ND | 0.100 | -- | ND | 0.360 | -- | | 1 |
| Trichloroethene | ND | 0.020 | -- | ND | 0.107 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.020 | -- | ND | 0.091 | -- | | 1 |
| 4-Methyl-2-pentanone | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.020 | -- | ND | 0.091 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.020 | -- | ND | 0.109 | -- | | 1 |
| Toluene | ND | 0.050 | -- | ND | 0.188 | -- | | 1 |
| Dibromochloromethane | ND | 0.020 | -- | ND | 0.170 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.020 | -- | ND | 0.154 | -- | | 1 |
| Tetrachloroethene | ND | 0.020 | -- | ND | 0.136 | -- | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | 0.020 | -- | ND | 0.137 | -- | | 1 |
| Chlorobenzene | ND | 0.020 | -- | ND | 0.092 | -- | | 1 |
| Ethylbenzene | ND | 0.020 | -- | ND | 0.087 | -- | | 1 |
| p/m-Xylene | ND | 0.040 | -- | ND | 0.174 | -- | | 1 |
| Bromoform | ND | 0.020 | -- | ND | 0.207 | -- | | 1 |
| Styrene | ND | 0.020 | -- | ND | 0.085 | -- | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | 0.020 | -- | ND | 0.137 | -- | | 1 |
| o-Xylene | ND | 0.020 | -- | ND | 0.087 | -- | | 1 |
| Isopropylbenzene | ND | 0.500 | -- | ND | 2.46 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| 1,3,5-Trimethybenzene | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |
| sec-Butylbenzene | ND | 0.500 | -- | ND | 2.74 | -- | | 1 |
| p-Isopropyltoluene | ND | 0.500 | -- | ND | 2.74 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |

**Project Name:** BATCH CANISTER CERTIFICATION **Lab Number:** L1407475

**Project Number:** CANISTER QC BAT **Report Date:** 04/30/14

# Air Canister Certification Results

Lab ID: L1407475-03 Date Collected: 04/09/14 15:39

Client ID: CAN 1866 SHELF 41 Date Received: 04/10/14

Sample Location: Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air by SIM - Mansfield Lab | | | | | | | | |
| n-Butylbenzene | ND | 0.500 | -- | ND | 2.74 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.050 | -- | ND | 0.371 | -- | | 1 |
| Naphthalene | ND | 0.050 | -- | ND | 0.262 | -- | | 1 |
| 1,2,3-Trichlorobenzene | ND | 0.050 | -- | ND | 0.371 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.050 | -- | ND | 0.533 | -- | | 1 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-difluorobenzene | 104 | | 60-140 |
| bromochloromethane | 106 | | 60-140 |
| chlorobenzene-d5 | 117 | | 60-140 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| N/A | Present/Intact |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1408726-01A | Canister - 6 Liter | N/A | N/A | | Y | Present/Intact | TO15-LL(30) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | 233 LANDING RD | **Lab Number:** | L1408726 |
| **Project Number:** | 12.0076232.00 | **Report Date:** | 04/30/14 |

# GLOSSARY

### *Acronyms*

| | |
|---|---|
| EDL | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME). |
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The lower value for the two columns has been reported due to obvious interference. |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 233 LANDING RD | **Lab Number:** | L1408726 |
| **Project Number:** | 12.0076232.00 | **Report Date:** | 04/30/14 |

***Data Qualifiers***

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**S** - Analytical results are from modified screening analysis.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

**Project Name:** 233 LANDING RD **Lab Number:** L1408726
**Project Number:** 12.0076232.00 **Report Date:** 04/30/14

## REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certification Information

Last revised April 15, 2014

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**The following analytes are not included in our NELAP Scope of Accreditation:**

**Westborough Facility**
**EPA 524.2:** Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
**EPA 8260C:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
**EPA 8330A/B:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
**EPA 8270D:** 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
**EPA 625:** 4-Chloroaniline, 4-Methylphenol.
**SM4500**: Soil: Total Phosphorus, TKN, NO2, NO3.
**EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

**Mansfield Facility**
**EPA 8270D:** Biphenyl.
**EPA 2540D:** TSS
**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

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**The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:**

***Drinking Water***
**EPA 200.8**: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
**EPA 300.0**: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
**EPA 332**: Perchlorate.
**Microbiology**: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

***Non-Potable Water***
**EPA 200.8**: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
**EPA 200.7**: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
**EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH**, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
**EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
**EPA 624**: Volatile Halocarbons & Aromatics,
**EPA 608**: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
**EPA 625**: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
**Microbiology**: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

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For a complete listing of analytes and methods, please contact your Alpha Project Manager.

# AIR ANALYSIS

PAGE 1 OF 1

**CHAIN OF CUSTODY**

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/24/14

ALPHA Job #: L1408726

**Client Information**

Client: GZA
Address: 55 Lane Rd
Fairfield NJ 07004
Phone: 973-774-3300
Fax:
Email: brett.engvard@gza.com
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 233 Landing Rd
Project Location: 233 Landing Rd, Bronx, NY
Project #: 12.0076232
Project Manager: Ben Alter
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

**Report Information - Data Deliverables**

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State/Fed | Program | Criteria |
|---|---|---|
| NYSDOH | | |
| | | |
| | | |

Other Project Specific Requirements/Comments:

**All Columns Below Must Be Filled Out**

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Start Time | End Time | Initial Vacuum | Final Vacuum | Sample Matrix* | Sampler's Initials | Can Size | I D Can | I D - Flow Controller | TO-14A by TO-15 | TO-15 | TO-15 SIM | APH | FIXED GASES | TO-13A | TO-4 / TO-10 | Sample Comments (i.e. PID) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08726.01 | SG-1 | 4/24/14 | 11:15 | 1:15 | 29.81 | 5.75 | SV | MM | 6L | 1812 | 0581 | | X | | | | | | |
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*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

| Relinquished By: | Date/Time | Received By: | Date/Time: |
|---|---|---|---|
| [illegible] | 4/24 16:05 | [illegible] (AAL) | 4-24-14 16:05 |
| Tom Toher | 4-24-14 1813 | Tom Toher | 4-24-14 1813 |
| Tom Toher | 4-24-14 | [illegible] | 4/24/14 |

Form No: 101-02 (19-Jun-09)

Form 54-11521.7616.37(55) 714

# DEPARTMENT OF HOUSING AND BUILDINGS

BOROUGH OF BRONX, CITY OF NEW YORK

No. 19723

Date SEP 12 1956

# CERTIFICATE OF OCCUPANCY

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C26-181.0 to C26-187.0 inclusive Administrative Code 2.1.3.1. to 2.1.3.7. Building Code.)

This certificate supersedes C. O. No.

To the owner or owners of the building or premises:

THIS CERTIFIES that the ~~new~~—altered ~~existing~~—building—premises located at 233 Fordham Landing Road, N.E.Corner Major Deegan Highway

Block 3236 Lot 25

, conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

~~NBX~~ Alt. No.— 13-55 Construction classification— Fireproof

Occupancy classification— PUBLIC . Height 47 stories, feet.

Date of completion— 6-21-56 . Located in Unrestricted & Residence Use District.

B Area, Class 1½. Height Zone at time of issuance of permit

**This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals:** (Calendar numbers to be inserted here)

## PERMISSIBLE USE AND OCCUPANCY

| STORY | LIVE LOADS Lbs. per Sq. Ft. | PERSONS ACCOMMODATED | | | USE |
|---|---|---|---|---|---|
| | | MALE | FEMALE | TOTAL | |
| Cellar | 250 | 20 | 0 | 20 | Laboratory Preparation Room, Boiler Room, Storage |
| termediate Floor | 150 | 5 | 0 | 5 | Machine Shop |
| First | 120 | 30 | 0 | 30 | Chemical Laboratory |

NOTE:-Fire Dept. approval of fuel oil installation and fire-extinguishing equipment received.

ZONING O.K.

SEP 19 1956

*Borough Superintendent*

CERTIFICATE WILL BE NULL AND VOID IF ALTERED IN ANY MANNER OR ADDITIONS ARE MADE THERETO.

**NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT**

Unless an approval for the same has been obtained from the Borough Superintendent, no change or rearrangement in the structural parts of the building, or affecting the light and ventilation of any part thereof, or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing in height shall be made; nor shall the building be moved from one location or position to another; nor shall there be any reduction or diminution of the area of the lot or plot on which the building is located.

The building or any part thereof shall not be used for any purpose other than that for which it is certified.

The superimposed, uniformly distributed loads, or concentrated loads producing the same stresses in the construction in any story shall not exceed the live loads specified on reverse side; the number of persons of either sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of persons in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fixed by this certificate except as specifically stated.

This certificate does not in any way relieve the owner or owners or any other person or persons in possession or control of the building, or any part thereof from obtaining such other permits, licenses or approvals as may be prescribed by law for the uses or purposes for which the building is designed or intended; nor from obtaining the special certificates required for the use and operation of elevators; nor from the installation of fire alarm systems where required by law; nor from complying with any lawful order for additional fire extinguishing appliances under the discretionary powers of the fire commissioner; nor from complying with any lawful order issued with the object of maintaining the building in a safe or lawful condition; nor from complying with any authorized direction to remove encroachments into a public highway or other public place, whether attached to or part of the building or not.

If this certificate is marked "Temporary", it is applicable only to those parts of the building indicated on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all the provisions and conditions applying to a final or permanent certificate; it is not applicable to any building under the jurisdiction of the Housing Division unless it is also approved and endorsed by them, and it must be replaced by a full certificate at the date of expiration.

If this certificate is for an existing building, erected prior to March 14, 1916, it has been duly inspected and it has been found to have been occupied or arranged to be occupied prior to March 14, 1916, as noted on the reverse side, and that on information and belief, since that date there has been no alteration or conversion to a use that changed its classification as defined in the Building Code, or that would necessitate compliance with some special requirement or with the State Labor Law or any other law or ordinance; that there are no notices of violations or orders pending in the Department of Housing and Buildings at this time; that Section 646F of the New York City Charter has been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent, and that, so long as the building is not altered, except by permission of the Borough Superintendent, the existing use and occupancy may be continued.

"§ 646 F. No certificate of occupancy shall be issued for any building, structure, enclosure, place or premises wherein containers for combustibles, chemicals, explosives, inflammables and other dangerous substances, articles, compounds or mixtures are stored, or wherein automatic or other fire alarm systems or fire extinguishing equipment are required by law to be or are installed, until the fire commissioner has tested and inspected and has certified his approval in writing of the installation of such containers, systems or equipment to the Borough Superintendent of the borough in which the installation has been made. Such approval shall be recorded on the certificate of occupancy."

Additional copies of this certificate will be furnished to persons having an interest in the building or premises, upon payment of a fee of fifty cents per copy.

Form 54-86M-713020(36) 114

# DEPARTMENT OF BUILDINGS

BOROUGH OF BRONX, THE CITY OF NEW YORK

No. 22666

Date NOV 6 1957

# CERTIFICATE OF OCCUPANCY

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C26-181.0 to C26-187.0 inclusive Administrative Code 2.1.3.1. to 2.1.3.7. Building Code.)

This certificate supersedes C. O. No. 19723-56.

To the owner or owners of the building or premises:

THIS CERTIFIES that the ~~new~~ altered ~~existing~~ building—premises located at

235 Landing Rd. NEC Major Deegan Blvd.

Block 3238 Lot 25

, conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

~~N.B. or~~ Alt. No.—1303-56 Construction classification— Fireproof

Occupancy classification— Public . Height Cellar & 3 stories, 47' feet.

Date of completion— Oct.18,1957 . Located in Unrestricted Use District.

B Area Class 1½ . Height Zone at time of issuance of permit

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: (Calendar numbers to be inserted here)

## PERMISSIBLE USE AND OCCUPANCY

| STORY | LIVE LOADS Lbs. per Sq. Ft. | PERSONS ACCOMMODATED | | | USE |
|---|---|---|---|---|---|
| | | MALE | FEMALE | TOTAL | |
| Cellar | 250 | 20 | | 20 | Boiler, Storage, Laboratory Preparation, Electric Service Vault. |
| Intermediate Floor | 150 | 5 | | 5 | Machine Shop. |
| First | 100 | 30 | 12 | 42 | Laboratories, Offices, Toilets. |
| Second | 120 | | | | No Occupancy. |

Note; Fire Dept. approval of fuel oil installation received.

1957

Borough Superintendent

CERTIFICATE WILL BE NULL AND VOID IF ALTERED IN ANY MANNER OR ADDITIONS ARE MADE THERETO.

**NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT**

Unless an approval for the same has been obtained from the Borough Superintendent, no change or rearrangement in the structural parts of the building, or affecting the light and ventilation of any part thereof, or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing in height shall be made; nor shall the building be moved from one location or position to another; nor shall there be any reduction or diminution of the area of the lot or plot on which the building is located.

The building or any part thereof shall not be used for any purpose other than that for which it is certified.

The superimposed, uniformly distributed loads, or concentrated loads producing the same stresses in the construction in any story shall not exceed the live loads specified on reverse side; the number of persons of either sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of persons in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fixed by this certificate except as specifically stated.

This certificate does not in any way relieve the owner or owners or any other person or persons in possession or control of the building, or any part thereof from obtaining such other permits, licenses or approvals as may be prescribed by law for the uses or purposes for which the building is designed or intended; nor from obtaining the special certificates required for the use and operation of elevators; nor from the installation of fire alarm systems where required by law; nor from complying with any lawful order for additional fire extinguishing appliances under the discretionary powers of the fire commissioner; nor from complying with any lawful order issued with the object of maintaining the building in a safe or lawful condition; nor from complying with any authorized direction to remove encroachments into a public highway or other public place, whether attached to or part of the building or not.

If this certificate is marked "Temporary", it is applicable only to those parts of the building indicated on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all the provisions and conditions applying to a final or permanent certificate; it is not applicable to any building under the jurisdiction of the Housing Division unless it is also approved and endorsed by them, and it must be replaced by a full certificate at the date of expiration.

If this certificate is for an existing building, erected prior to March 14, 1916, it has been duly inspected and it has been found to have been occupied or arranged to be occupied prior to March 14, 1916, as noted on the reverse side, and that on information and belief, since that date there has been no alteration or conversion to a use that changed its classification as defined in the Building Code, or that would necessitate compliance with some special requirement or with the State Labor Law or any other law or ordinance; that there are no notices of violations or orders pending in the Department of Buildings at this time; that Section 646F of the New York City Charter has been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent, and that, so long as the building is not altered, except by permission of the Borough Superintendent, the existing use and occupancy may be continued.

"§ 646 F. No certificate of occupancy shall be issued for any building, structure, enclosure, place or premises wherein containers for combustibles, chemicals, explosives, inflammables and other dangerous substances, articles, compounds or mixtures are stored, or wherein automatic or other fire alarm systems or fire extinguishing equipment are required by law to be or are installed, until the fire commissioner has tested and inspected and has certified his approval in writing of the installation of such containers, systems or equipment to the Borough Superintendent of the borough in which the installation has been made. Such approval shall be recorded on the certificate of occupancy."

Additional copies of this certificate will be furnished to persons having an interest in the building or premises, upon payment of a fee of fifty cents per copy.

Form 54-71M-702854(58) 114

# DEPARTMENT OF BUILDINGS

BOROUGH OF BRONX, THE CITY OF NEW YORK

No. 29718

Date JUL 25 1960

# CERTIFICATE OF OCCUPANCY

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C26-181.0 to C26-187.0 inclusive Administrative Code 2.1.3.1. to 2.1.3.7. Building Code.)

This certificate supersedes C. O. No. 22666/57

To the owner or owners of the building or premises:

THIS CERTIFIES that the ~~new~~—altered—~~existing~~—building—premises located at

233 Landing Road Northeast Corner Deegan Blvd. Block 3236 Lot 25

; conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646P of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

~~New~~ Alt. No.— 55/58 Construction classification— Fireproof

Occupancy classification— Public . Height 2 stories, 47 feet.

Date of completion— 6/22/60 . Located in Unrestricted Use District.

B Area 1¼ . Height Zone at time of issuance of permit

**This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals:** (Calendar numbers to be inserted here)

## PERMISSIBLE USE AND OCCUPANCY

| STORY | LIVE LOADS Lbs. per Sq. Ft. | PERSONS ACCOMMODATED | | | USE |
|---|---|---|---|---|---|
| | | MALE | FEMALE | TOTAL | |
| Cellar | 250 | 20 | | 20 | Laboratories, Offices, Storage, Boiler, Elec. Serv. Vault |
| Lower Mezz. | 150 | 5 | | 5 | Laboratory |
| First | 100 | 30 | 12 | 42 | Laboratories, Offices, Storeroom, Toilets |
| Second | 120 | 28 | 7 | 35 | Laboratory, Offices, storage, Toilets |
| Second | 50 | 0 | 0 | 0 | Unoccupied |
| Upper Mezz. | 75 | 5 | | 5 | Laboratory |

ZONING O.K.
JUL 25 1960

35884/63

Borough Superintendent

CERTIFICATE WILL BE NULL AND VOID IF ALTERED IN ANY MANNER OR ADDITIONS ARE MADE THERETO.

## NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

Unless an approval for the same has been obtained from the Borough Superintendent, no change or rearrangement in the structural parts of the building, or affecting the light and ventilation of any part thereof, or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing in height shall be made; nor shall the building be moved from one location or position to another; nor shall there be any reduction or diminution of the area of the lot or plot on which the building is located.

The building or any part thereof shall not be used for any purpose other than that for which it is certified.

The superimposed, uniformly distributed loads, or concentrated loads producing the same stresses in the construction in any story shall not exceed the live loads specified on reverse side; the number of persons of either sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of persons in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fixed by this certificate except as specifically stated.

This certificate does not in any way relieve the owner or owners or any other person or persons in possession or control of the building, or any part thereof from obtaining such other permits, licenses or approvals as may be prescribed by law for the uses or purposes for which the building is designed or intended; nor from obtaining the special certificates required for the use and operation of elevators; nor from the installation of fire alarm systems where required by law; nor from complying with any lawful order for additional fire extinguishing appliances under the discretionary powers of the fire commissioner; nor from complying with any lawful order issued with the object of maintaining the building in a safe or lawful condition; nor from complying with any authorized direction to remove encroachments into a public highway or other public place, whether attached to or part of the building or not.

If this certificate is marked "Temporary", it is applicable only to those parts of the building indicated on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all the provisions and conditions applying to a final or permanent certificate; it is not applicable to any building under the jurisdiction of the Housing Division unless it is also approved and endorsed by them, and it must be replaced by a full certificate at the date of expiration.

If this certificate is for an existing building, erected prior to March 14, 1916, it has been duly inspected and it has been found to have been occupied or arranged to be occupied prior to March 14, 1916, as noted on the reverse side, and that on information and belief, since that date there has been no alteration or conversion to a use that changed its classification as defined in the Building Code, or that would necessitate compliance with some special requirement or with the State Labor Law or any other law or ordinance; that there are no notices of violations or orders pending in the Department of Buildings at this time; that Section 646F of the New York City Charter has been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent, and that, so long as the building is not altered, except by permission of the Borough Superintendent, the existing use and occupancy may be continued.

"§ 646 F. No certificate of occupancy shall be issued for any building, structure, enclosure, place or premises wherein containers for combustibles, chemicals, explosives, inflammables and other dangerous substances, articles, compounds or mixtures are stored, or wherein automatic or other fire alarm systems or fire extinguishing equipment are required by law to be or are installed, until the fire commissioner has tested and inspected and has certified his approval in writing of the installation of such containers, systems or equipment to the Borough Superintendent of the borough in which the installation has been made. Such approval shall be recorded on the certificate of occupancy."

Additional copies of this certificate will be furnished to persons having an interest in the building or premises, upon payment of a fee of fifty cents per copy.

Form 34-C (Rev. 4/62)-80M-60103a(62) 114

# DEPARTMENT OF BUILDINGS

**BOROUGH OF** BRONX **, THE CITY OF NEW YORK**

Date MAY 27 1963 No. 35884

## CERTIFICATE OF OCCUPANCY

**NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT**

This certificate supersedes C. O. No. 29718-60

THIS CERTIFIES that the ~~new~~—altered—~~existing~~—building—premises located at

233 Landing Road Block 3236 Lot 25

That the zoning lot and premises above referred to are situated, bounded and described as follows:

BEGINNING at a point on the Northeast side of Landing Road distant 0'-0" feet from the corner formed by the intersection of Landing Road and Deegan Boulevard

running thence Northerly 148 feet; thence Easterly 211 feet;

thence Southerly 140' feet; thence Westerly 230 feet;

running thence ..... feet; thence ..... feet;

to the point or place of beginning, conforms substantially to the approved plans and specifications, and to the requirements of the Building Code, the Zoning Resolution and all other laws and ordinances, and of the rules of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

~~N.B. or~~ Alt. No.— 868-60 Construction classification— Fireproof

Occupancy classification— Public Height 3 stories, 47 feet.

Date of completion— 5-17-63 Located in Unrestricted, B Area Zoning District.

at time of issuance of permit. Class 1½

**This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: and The City Planning Commission:** (Calendar numbers to be inserted here)

**PERMISSIBLE USE AND OCCUPANCY**

Off-Street Parking Spaces .....

Off-Street Loading Berths .....

| STORY | LIVE LOADS Lbs. per Sq. Ft. | PERSONS ACCOMMODATED | USE |
|---|---|---|---|
| Cellar | 250 | 20 | (10 Rooms), Labratories, Offices, Storage |
| Lower Int. | 150 | 5 | (1 Room), Boiler, Electric Service, Vault, Laboratory |
| First | 100 | 42 | (33 Rooms), Laboratories, Offices |
| Second | 50/120 | 60 | (35 Rooms), Offices, Toilets, Conference Room |
| Upper Int. | 75 | 5 | Laboratory (1 Room) |

Borough Superintendent

**OFFICE COPY—DEPARTMENT OF BUILDINGS**

## PERMISSIBLE USE AND OCCUPANCY (continued)

| STORY | LIVE LOADS Lbs. per Sq. Ft. | PERSONS ACCOMMODATED | USE |
|---|---|---|---|

*Borough Superintendent*

# APPENDIX D

CITY DIRECTORIES

**Landing Road Phase 1**
233 Landing Road
Bronx, NY 10468

Inquiry Number: 4111006.5
October 21, 2014

# The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

# TABLE OF CONTENTS

## SECTION

**Executive Summary**

**Findings**

**City Directory Images**

***Thank you for your business.***
Please contact EDR at 1-800-352-0050
with any questions or comments.

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# 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 1927 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 | - | - | - | - |
| 2008 | Cole Information Services | - | X | X | - |
| 2005 | Hill-Donnelly Information Services | - | - | - | - |
| 2000 | Cole Information Services | - | - | - | - |
| 1993 | New York Telephone | - | - | - | - |
| 1983 | New York Telephone | - | - | - | - |
| 1976 | New York Telephone Company | X | - | X | - |
| 1971 | New York Telephone | X | - | X | - |
| 1965 | New York Telephone Company | X | - | X | - |
| 1961 | New York Telephone | - | - | - | - |
| 1956 | New York Telephone | - | - | - | - |
| 1949 | New York Telephone | - | X | X | - |
| 1940 | New York Telephone | - | X | X | - |
| 1931 | Manhattan and Bronx Directory Publishing Company Residential Directory | - | - | - | - |
| 1927 | New York Telephone | - | X | X | - |

# FINDINGS

## TARGET PROPERTY INFORMATION

### ADDRESS

233 Landing Road
Bronx, NY 10468

### FINDINGS DETAIL

Target Property research detail.

### LANDING RD

**233 LANDING RD**

| *Year* | *Uses* | *Source* |
|---|---|---|
| 1976 | NEW YORK UNIVERSITY | New York Telephone Company |
| 1971 | NEW YORK UNIVERSITY | New York Telephone |
| 1965 | NY UNIVERSITY ENGNRNG RESEARCH BLDG NO 3 | New York Telephone Company |

# FINDINGS

## ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

## CEDAR AVE

**2297 CEDAR AVE**

| *Year* | *Uses* | *Source* |
|---|---|---|
| 2008 | XBAR | Cole Information Services |
| | BAJA LOUNGE CORP | Cole Information Services |
| | REAL CORP | Cole Information Services |
| 1949 | WEST FORDHAM AUTO SALES | New York Telephone |
| | WEST FORDHAM GARAGE | New York Telephone |
| 1940 | Landing Rd Garage | New York Telephone |
| 1927 | Cedar Garage Inc | New York Telephone |

# FINDINGS

## TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

| Address Researched | Address Not Identified in Research Source |
|---|---|
| 233 Landing Road | 2013, 2008, 2005, 2000, 1993, 1983, 1961, 1956, 1949, 1940, 1931, 1927 |

## 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 |
|---|---|
| 2297 CEDAR AVE | 2013, 2008, 2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1931 |
| 2297 CEDAR AVE | 2013, 2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927 |

# APPENDIX E

HISTORIC TOPOPGRAPHY MAPS

**Landing Road Phase 1**
233 Landing Road
Bronx, NY 10468

Inquiry Number: 4111006.4
October 21, 2014

# EDR Historical Topographic Map Report

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

# EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

***Thank you for your business.***
Please contact EDR at 1-800-352-0050
with any questions or comments.


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# Historical Topographic Map

| | | | |
|---|---|---|---|
| N | TARGET QUAD<br>NAME: HARLEM<br>MAP YEAR: 1897<br><br>SERIES: 15<br>SCALE: 1:62500 | SITE NAME: Landing Road Phase 1<br>ADDRESS: 233 Landing Road Bronx, NY 10468<br>LAT/LONG: 40.8626 / -73.9109 | CLIENT: GZA GeoEnvironmental, Inc.<br>CONTACT: Arsheen Ehtesham<br>INQUIRY#: 4111006.4<br>RESEARCH DATE: 10/21/2014 |

# Historical Topographic Map

| | | | |
|---|---|---|---|
| N | **TARGET QUAD**<br>NAME: CENTRAL PARK<br>MAP YEAR: 1947<br><br>SERIES: 7.5<br>SCALE: 1:25000 | SITE NAME: Landing Road Phase 1<br><br>ADDRESS: 233 Landing Road<br>Bronx, NY 10468<br>LAT/LONG: 40.8626 / -73.9109 | CLIENT: GZA GeoEnvironmental, Inc.<br>CONTACT: Arsheen Ehtesham<br>INQUIRY#: 4111006.4<br>RESEARCH DATE: 10/21/2014 |

# Historical Topographic Map

| | | | |
|---|---|---|---|
| N | TARGET QUAD<br>NAME: CENTRAL PARK<br>MAP YEAR: 1956<br><br>SERIES: 7.5<br>SCALE: 1:24000 | SITE NAME: Landing Road Phase 1<br>ADDRESS: 233 Landing Road Bronx, NY 10468<br>LAT/LONG: 40.8626 / -73.9109 | CLIENT: GZA GeoEnvironmental, Inc.<br>CONTACT: Arsheen Ehtesham<br>INQUIRY#: 4111006.4<br>RESEARCH DATE: 10/21/2014 |

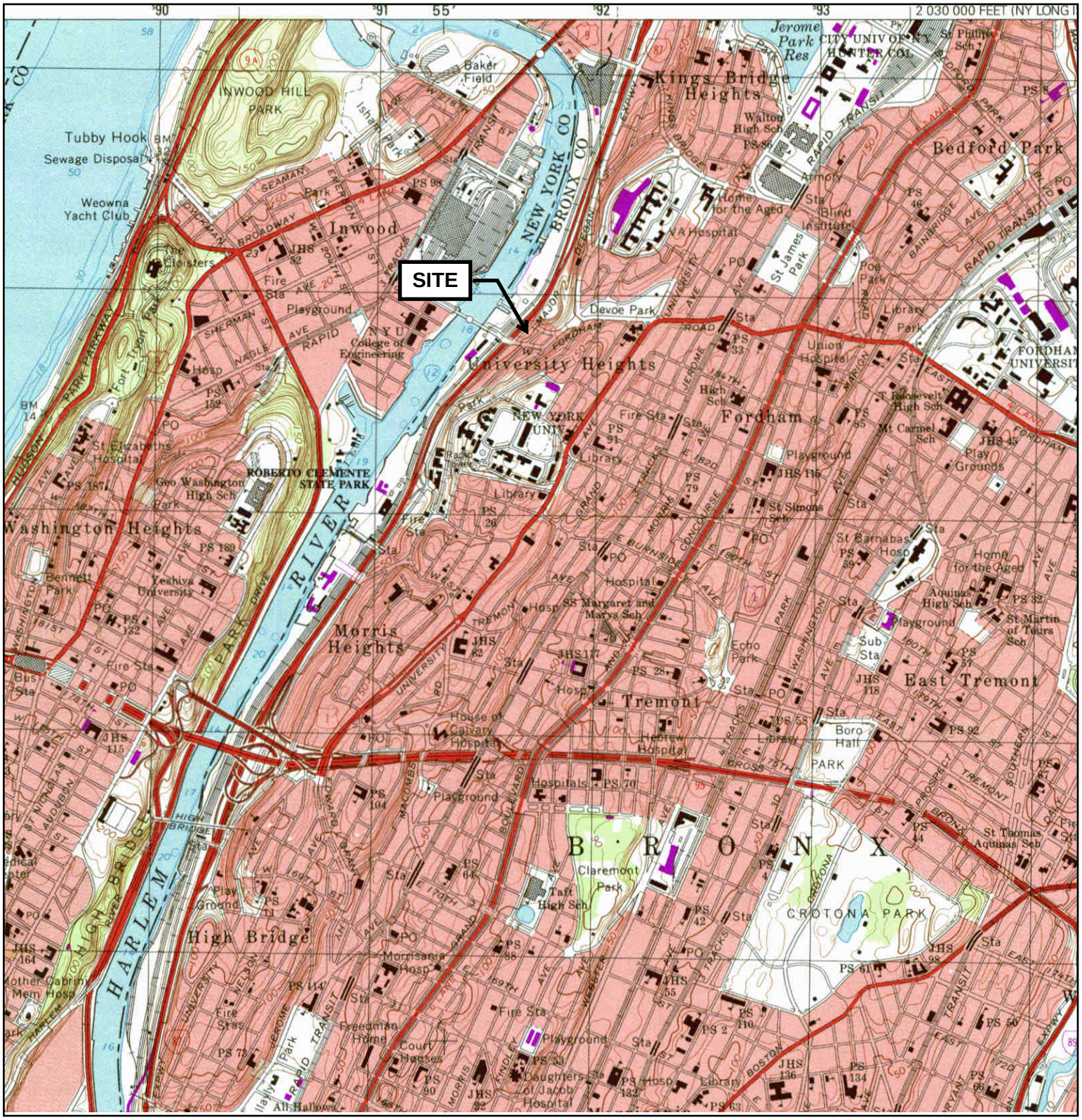
# Historical Topographic Map

| | | | |
|---|---|---|---|
| N | **TARGET QUAD**<br>NAME: CENTRAL PARK<br>MAP YEAR: 1966<br><br>SERIES: 7.5<br>SCALE: 1:24000 | SITE NAME: Landing Road Phase 1<br>ADDRESS: 233 Landing Road Bronx, NY 10468<br>LAT/LONG: 40.8626 / -73.9109 | CLIENT: GZA GeoEnvironmental, Inc.<br>CONTACT: Arsheen Ehtesham<br>INQUIRY#: 4111006.4<br>RESEARCH DATE: 10/21/2014 |

# Historical Topographic Map

| | | | |
|---|---|---|---|
| N | TARGET QUAD<br>NAME: CENTRAL PARK<br>MAP YEAR: 1979<br>PHOTOREVISED FROM :1966<br>SERIES: 7.5<br>SCALE: 1:24000 | SITE NAME: Landing Road Phase 1<br>ADDRESS: 233 Landing Road Bronx, NY 10468<br>LAT/LONG: 40.8626 / -73.9109 | CLIENT: GZA GeoEnvironmental, Inc.<br>CONTACT: Arsheen Ehtesham<br>INQUIRY#: 4111006.4<br>RESEARCH DATE: 10/21/2014 |

# Historical Topographic Map




| | | | |
|---|---|---|---|
| N | TARGET QUAD<br>NAME: CENTRAL PARK<br>MAP YEAR: 1995<br><br>SERIES: 7.5<br>SCALE: 1:24000 | SITE NAME: Landing Road Phase 1<br>ADDRESS: 233 Landing Road Bronx, NY 10468<br>LAT/LONG: 40.8626 / -73.9109 | CLIENT: GZA GeoEnvironmental, Inc.<br>CONTACT: Arsheen Ehtesham<br>INQUIRY#: 4111006.4<br>RESEARCH DATE: 10/21/2014 |

# APPENDIX F

AERIAL PHOTOGRAPHS

**Landing Road Phase 1**
233 Landing Road
Bronx, NY 10468

Inquiry Number: 4111006.9
October 21, 2014

# The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

# EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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***Thank you for your business.***
Please contact EDR at 1-800-352-0050
with any questions or comments.


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## Date EDR Searched Historical Sources:

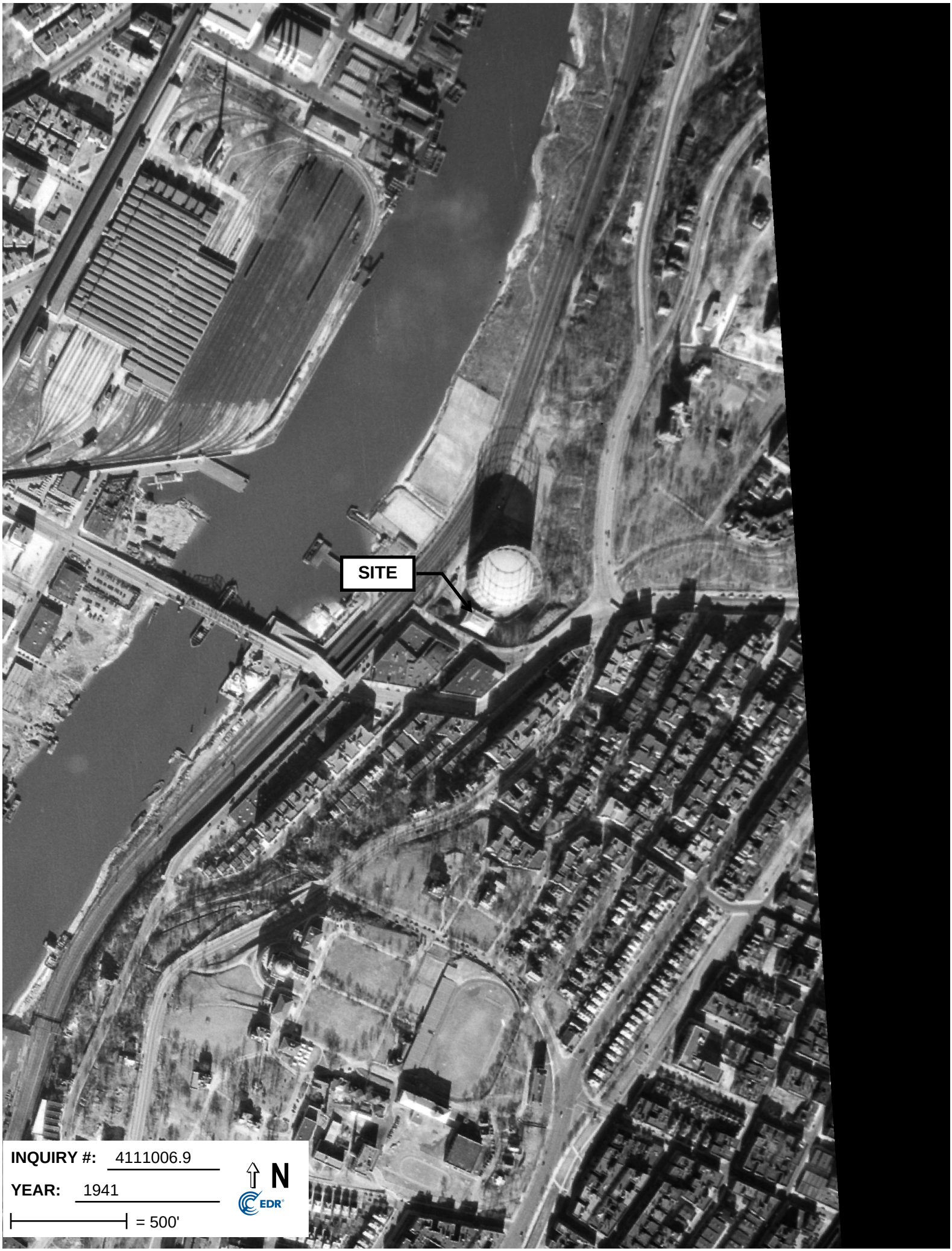
Aerial Photography October 21, 2014

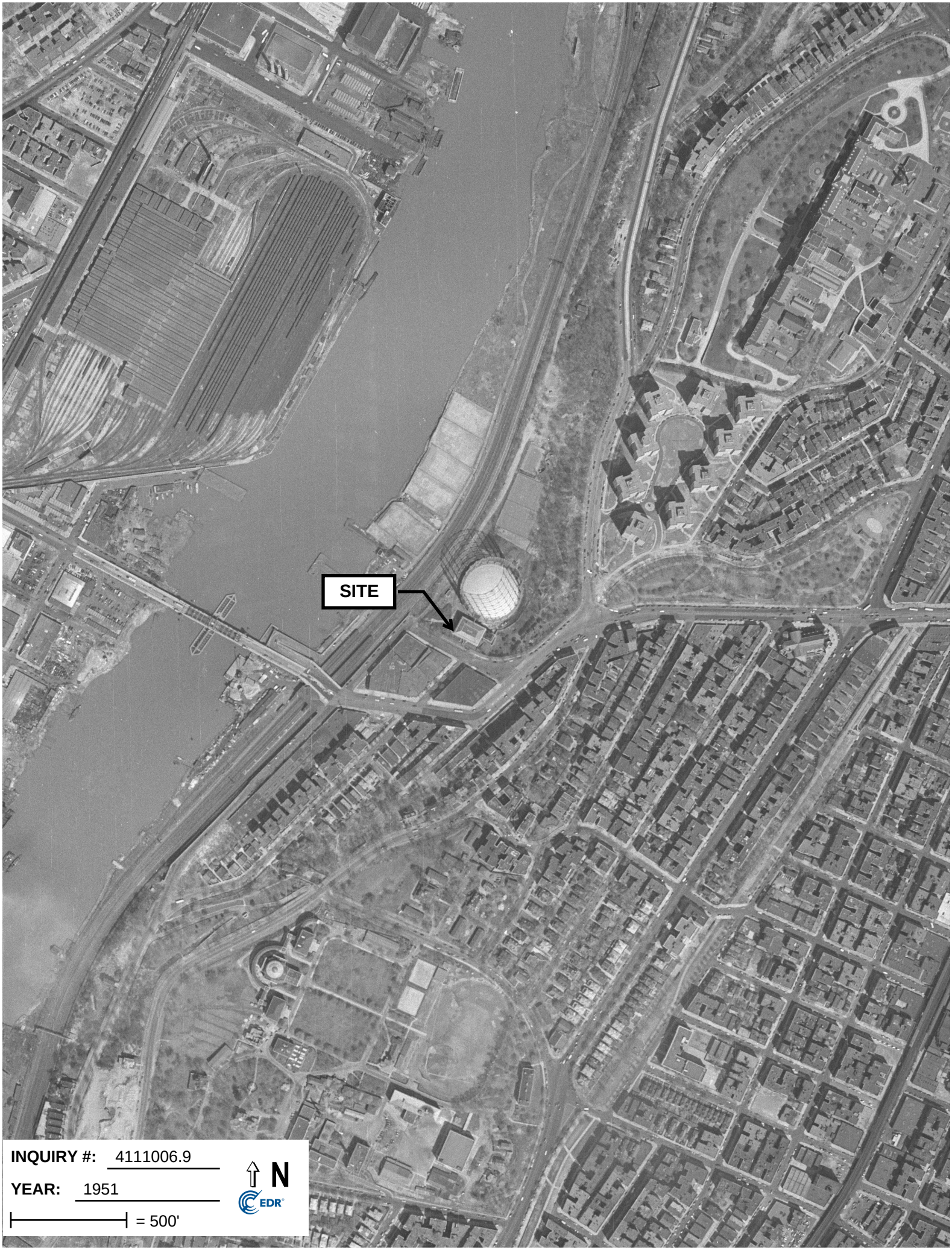
## Target Property:

233 Landing Road

Bronx, NY 10468

| ***Year*** | ***Scale*** | ***Details*** | ***Source*** |
|---|---|---|---|
| 1941 | Aerial Photograph. Scale: 1"=500' | Flight Date: January 01, 1941 | FirstSearch |
| 1951 | Aerial Photograph. Scale: 1"=500' | Flight Date: January 01, 1951 | EDR Proprietary Aerial Viewpoint |
| 1954 | Aerial Photograph. Scale: 1"=500' | Flight Date: February 23, 1954 | EDR |
| 1961 | Aerial Photograph. Scale: 1"=500' | Flight Date: January 01, 1961 | EDR Proprietary Aerial Viewpoint |
| 1966 | Aerial Photograph. Scale: 1"=500' | Flight Date: January 12, 1966 | EDR |
| 1974 | Aerial Photograph. Scale: 1"=500' | Flight Date: January 01, 1974 | EDR Proprietary Aerial Viewpoint |
| 1976 | Aerial Photograph. Scale: 1"=1000' | Flight Date: October 29, 1976 | EDR |
| 1983 | Aerial Photograph. Scale: 1"=500' | Flight Date: January 01, 1983 | USGS |
| 1994 | Aerial Photograph. Scale: 1"=500' | Flight Date: January 01, 1994 | USGS |
| 1995 | Aerial Photograph. Scale: 1"=500' | DOQQ - acquisition dates: March 13, 1995 | USGS/DOQQ |
| 2006 | Aerial Photograph. Scale: 1"=500' | Flight Year: 2006 | USDA/NAIP |
| 2009 | Aerial Photograph. Scale: 1"=500' | Flight Year: 2009 | USDA/NAIP |
| 2011 | Aerial Photograph. Scale: 1"=500' | Flight Year: 2011 | USDA/NAIP |


SITE
INQUIRY #: 4111006.9
YEAR: 1941
= 500'
N
EDR


SITE
INQUIRY #: 4111006.9
YEAR: 1951
= 500'
N
EDR

SITE
INQUIRY #: 4111006.9
YEAR: 1954
= 500'
N
EDR

SITE
INQUIRY #: 4111006.9
YEAR: 1961
= 500'
N
EDR

SITE
INQUIRY #: 4111006.9
YEAR: 1966
= 500'
N
EDR

SITE
INQUIRY #: 4111006.9
YEAR: 1974
= 500'
N
EDR

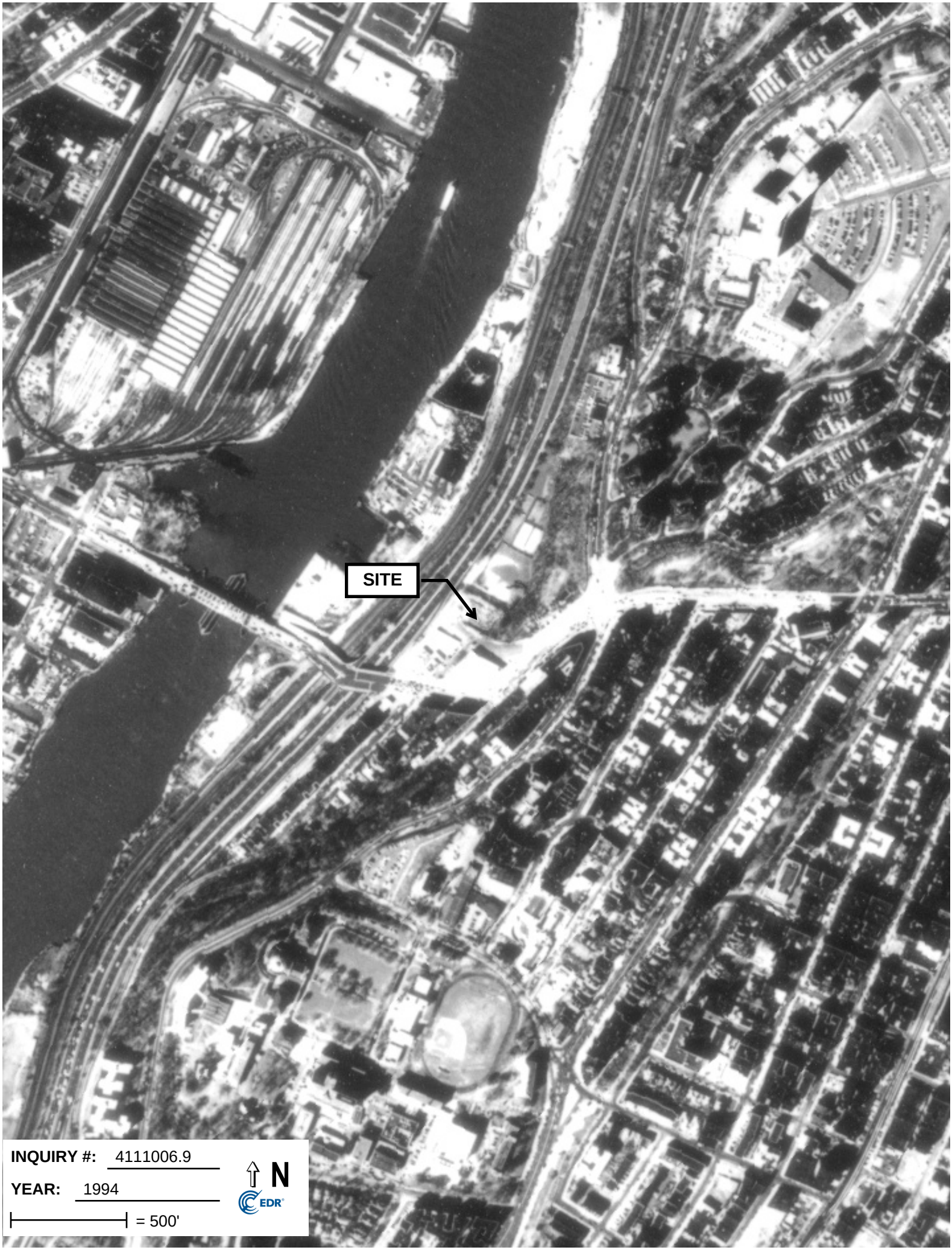
**INQUIRY #:** 4111006.9

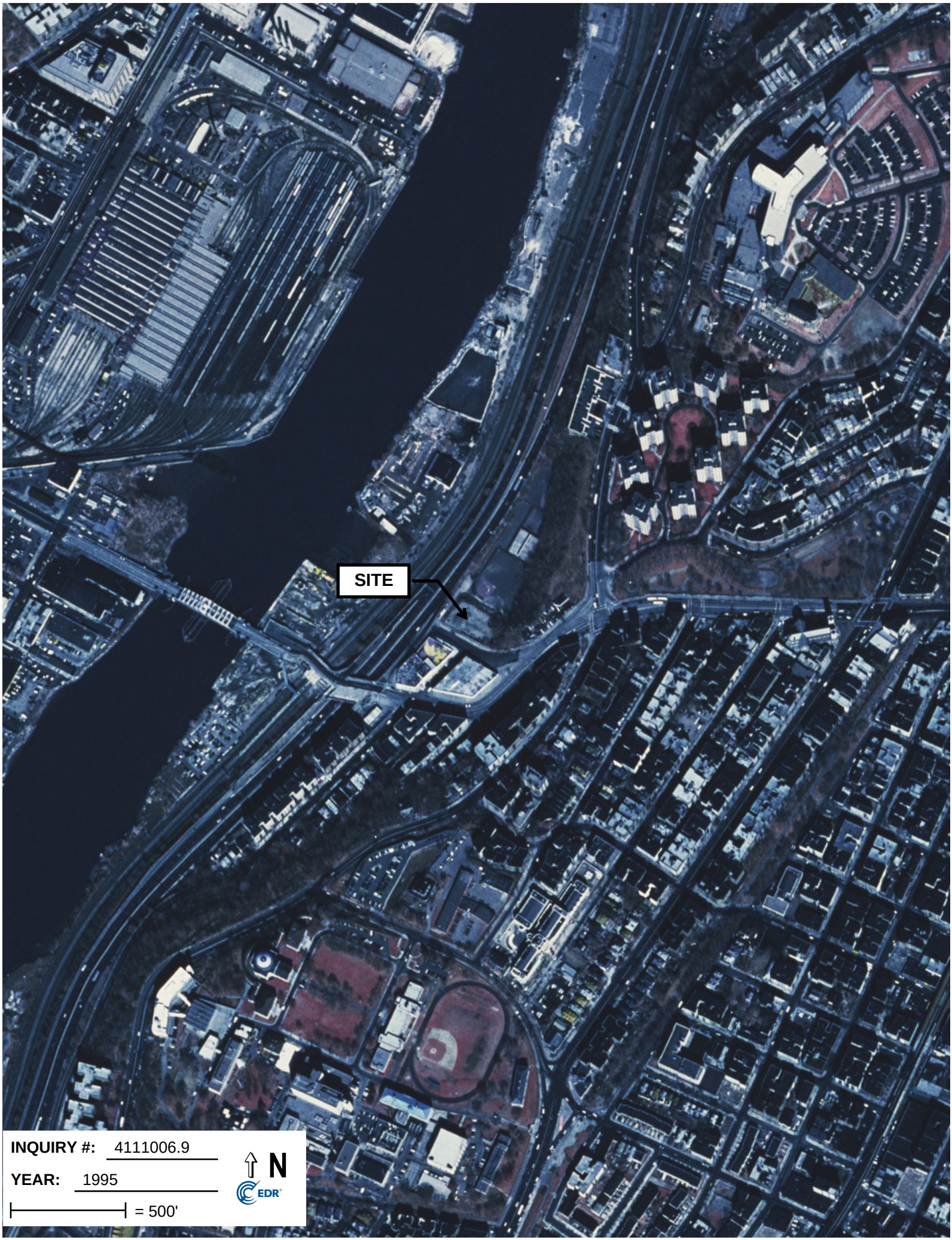
**YEAR:** 1976

= 1000'

N

SITE
INQUIRY #: 4111006.9
YEAR: 1983
= 500'
N
EDR


SITE
INQUIRY #: 4111006.9
YEAR: 1994
= 500'
N
EDR


SITE
INQUIRY #: 4111006.9
YEAR: 1995
= 500'
N
EDR

SITE
INQUIRY #: 4111006.9
YEAR: 2006
= 500'
N
EDR

SITE
INQUIRY #: 4111006.9
YEAR: 2009
= 500'
N
EDR

SITE
INQUIRY #: 4111006.9
YEAR: 2011
= 500'
N
EDR

# APPENDIX G

HISTORIC SANBORN MAPS

**Landing Road Phase 1**
233 Landing Road
Bronx, NY 10468

Inquiry Number: 4111006.3
October 21, 2014

# Certified Sanborn® Map Report

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

# Certified Sanborn® Map Report

10/21/14

**Site Name:**
Landing Road Phase 1
233 Landing Road
Bronx, NY 10468

**Client Name:**
GZA GeoEnvironmental, Inc.
55 Lane Road
Fairfield, NJ 07004

EDR Inquiry # 4111006.3

Contact: Arsheen Ehtesham

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by GZA GeoEnvironmental, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

## *Certified Sanborn Results:*

**Site Name:** Landing Road Phase 1
**Address:** 233 Landing Road
**City, State, Zip:** Bronx, NY 10468
**Cross Street:**
**P.O. #** 12.0076232.10
**Project:** Landing Rd Phase 1
**Certification #** 3D64-4EFD-B594

**Maps Provided:**

| | | | | |
|---|---|---|---|---|
| 2007 | 2001 | 1991 | 1979 | 1900 |
| 2006 | 1998 | 1989 | 1978 | 1896 |
| 2005 | 1996 | 1986 | 1977 | |
| 2004 | 1995 | 1984 | 1950 | |
| 2003 | 1993 | 1981 | 1945 | |
| 2002 | 1992 | 1980 | 1914 | |

Sanborn® Library search results
Certification # 3D64-4EFD-B594

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

*The Sanborn Library LLC Since 1866™*

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## *Sanborn Sheet Thumbnails*

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

### 2007 Source Sheets

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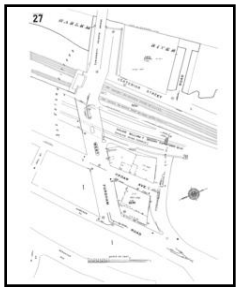

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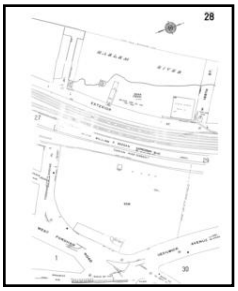

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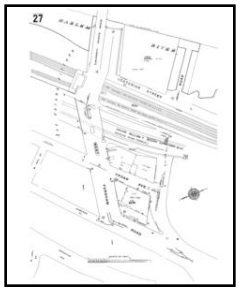

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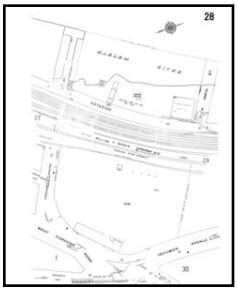

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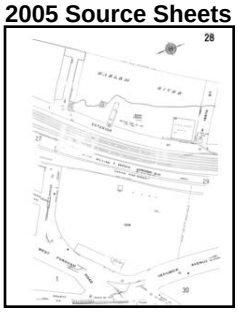

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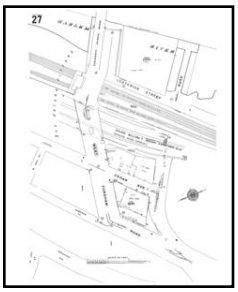

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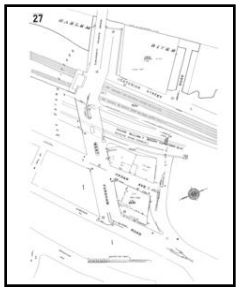

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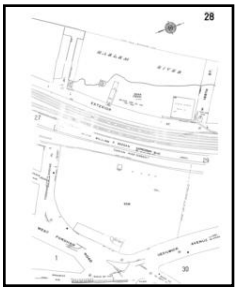

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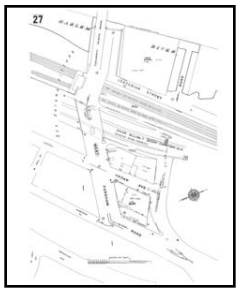

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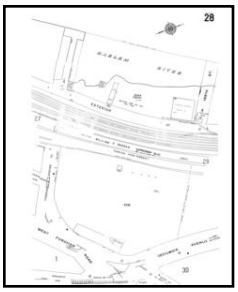

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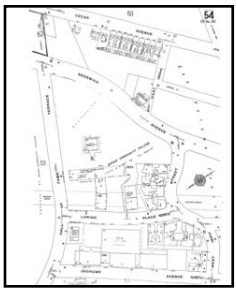

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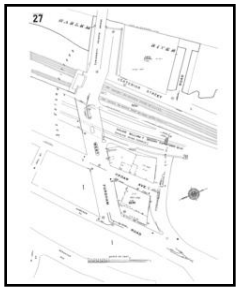

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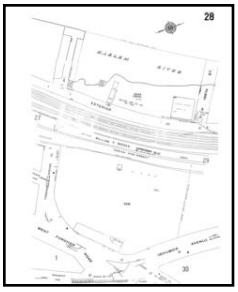

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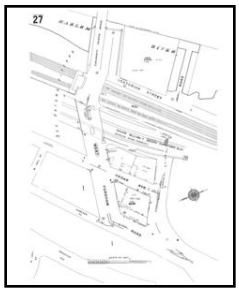

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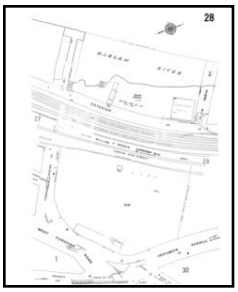

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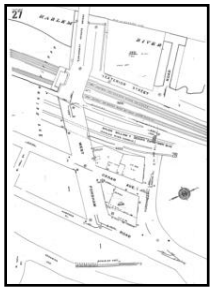

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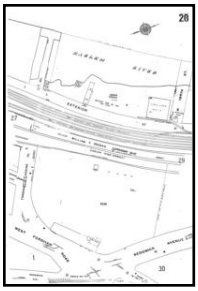

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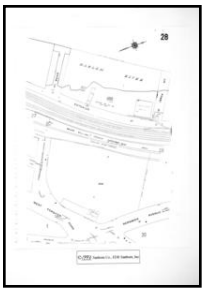

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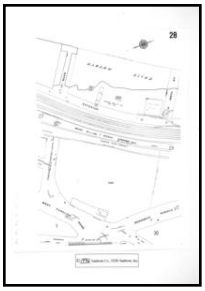

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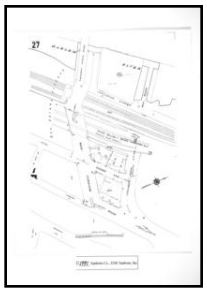

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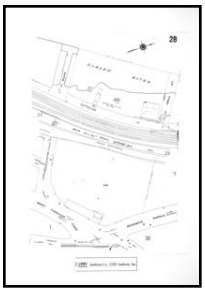

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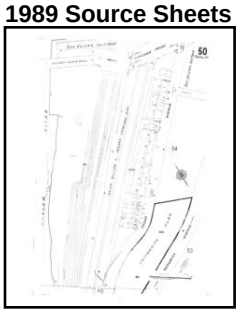

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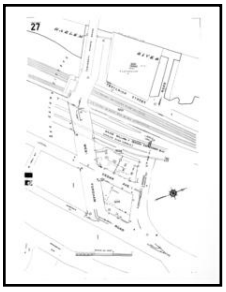

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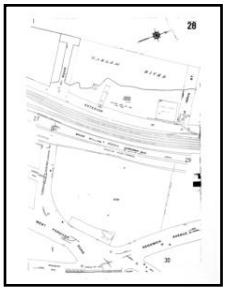

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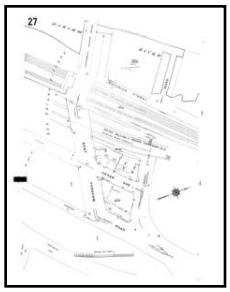

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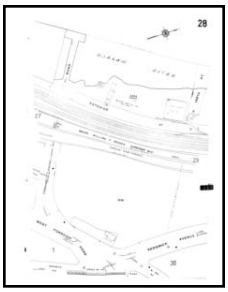

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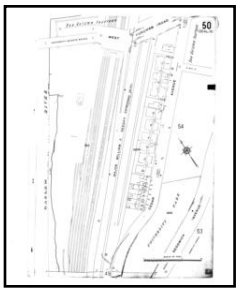

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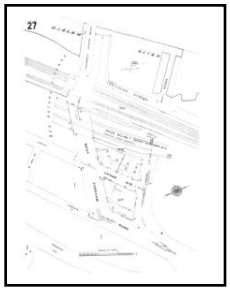

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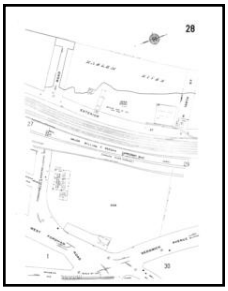

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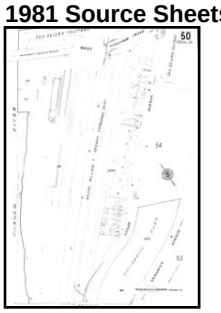

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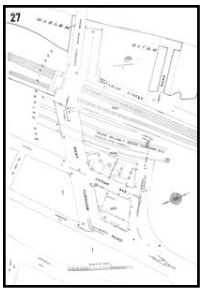

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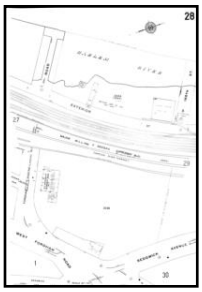

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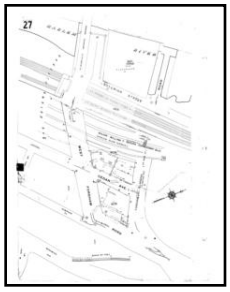

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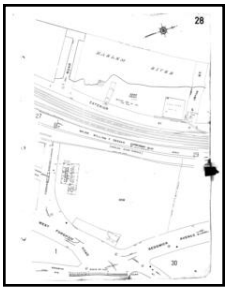

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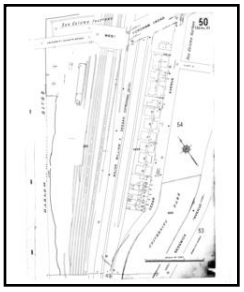

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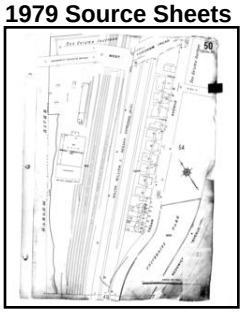

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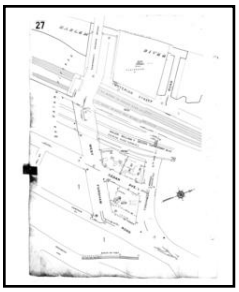

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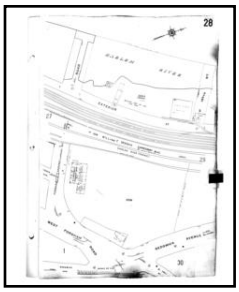

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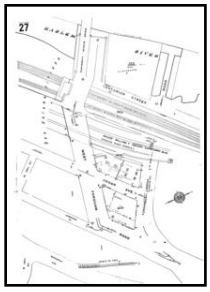

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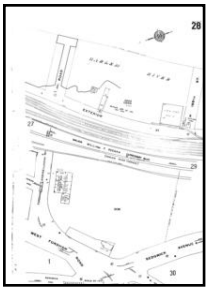

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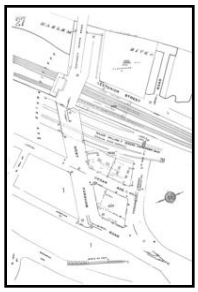

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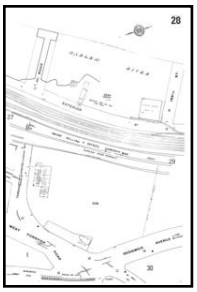

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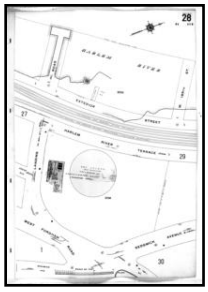

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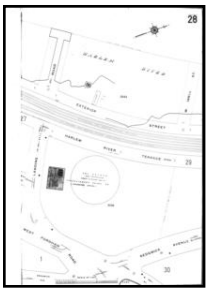

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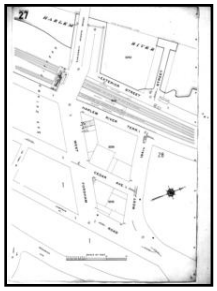

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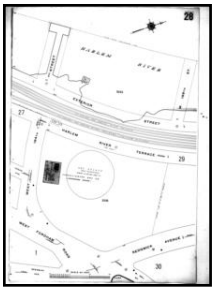

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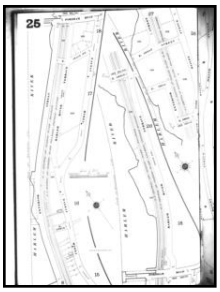


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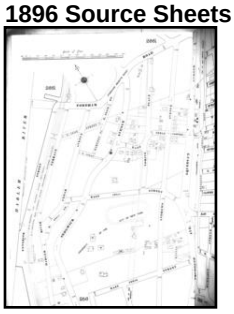

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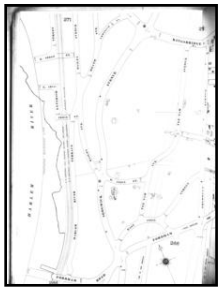

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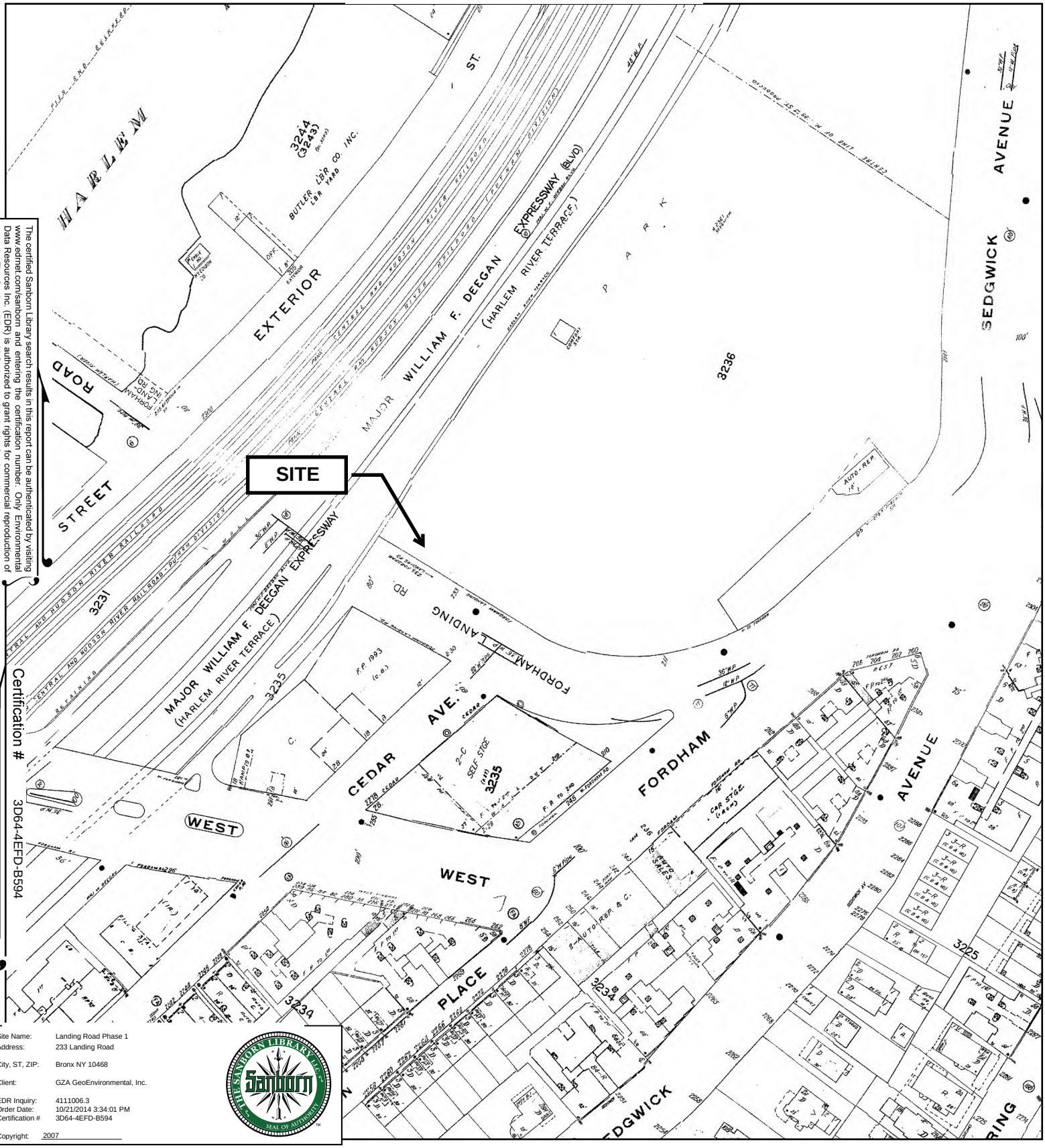


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Certification # 3D64-4EFD-B594

| | |
|---|---|
| Site Name: | Landing Road Phase 1 |
| Address: | 233 Landing Road |
| City, ST, ZIP: | Bronx NY 10468 |
| Client: | GZA GeoEnvironmental, Inc. |
| EDR Inquiry: | 4111006.3 |
| Order Date: | 10/21/2014 3:34:01 PM |
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| Copyright: | 2007 |

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Outlined areas indicate map sheets within the collection.

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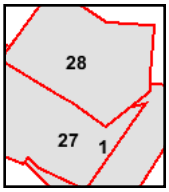


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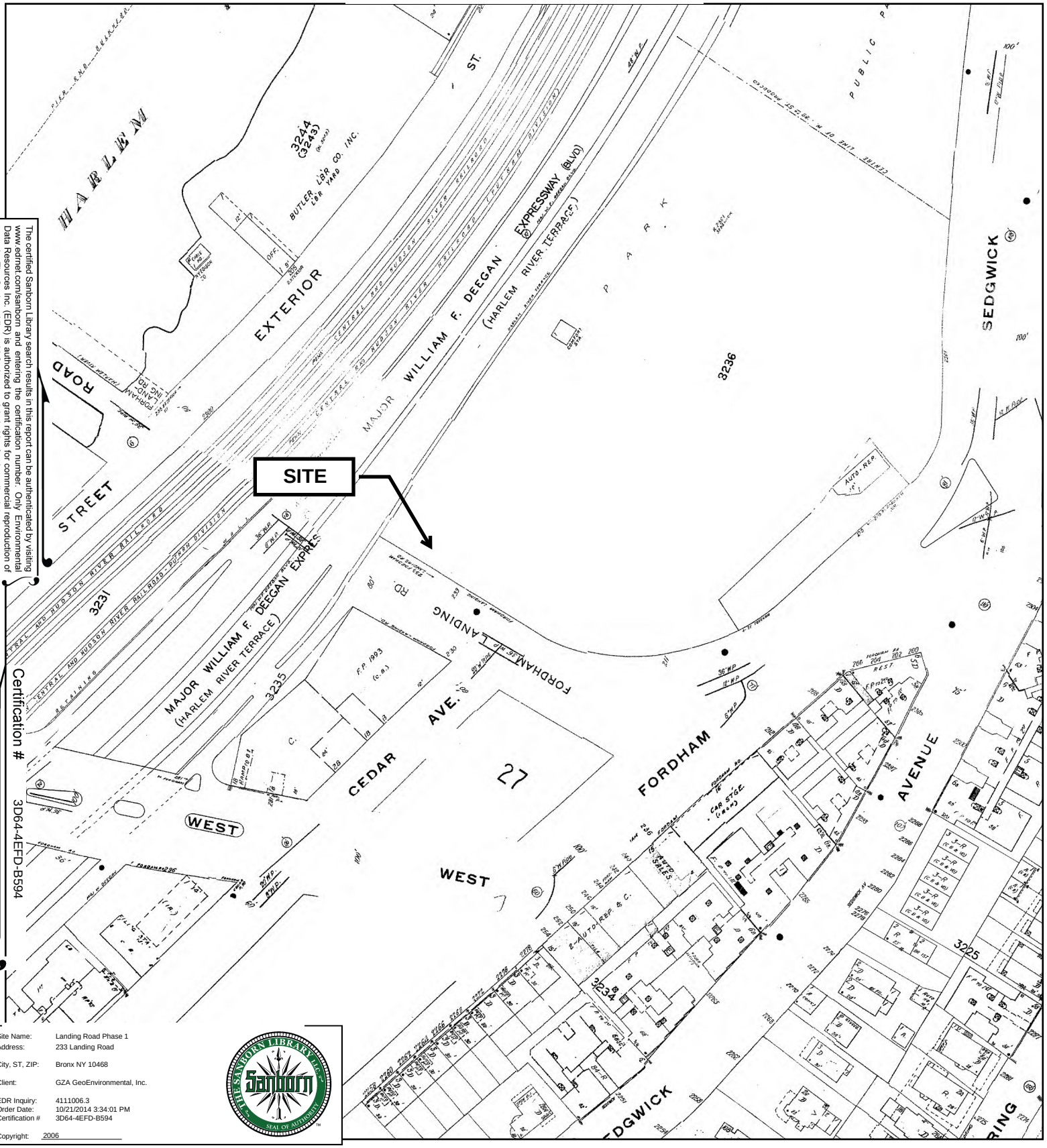
# 2006 Certified Sanborn Map

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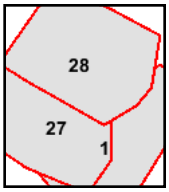


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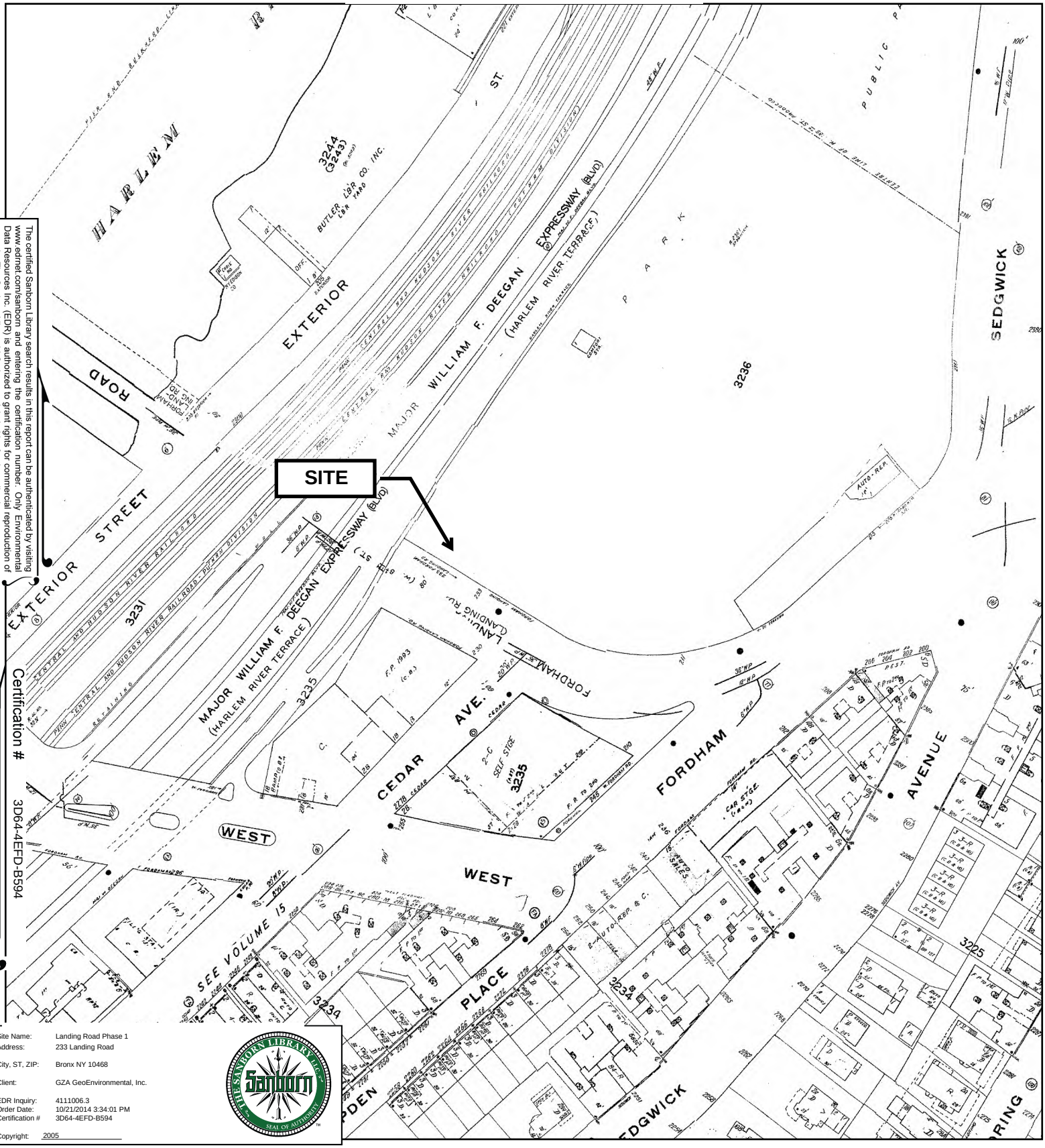


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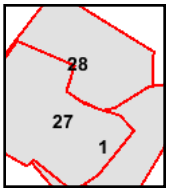


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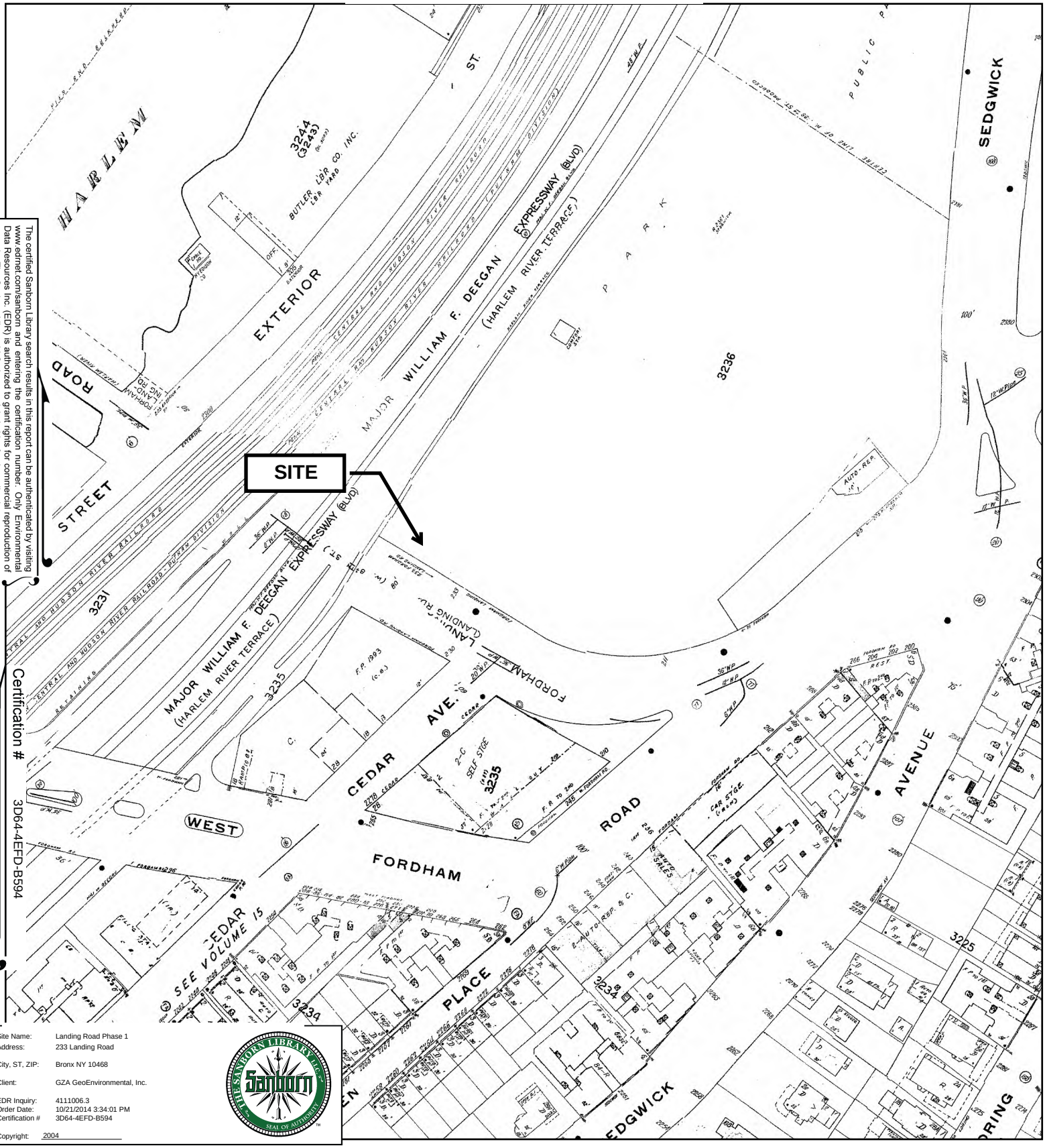
# 2004 Certified Sanborn Map

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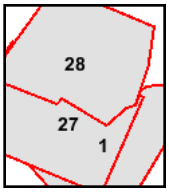


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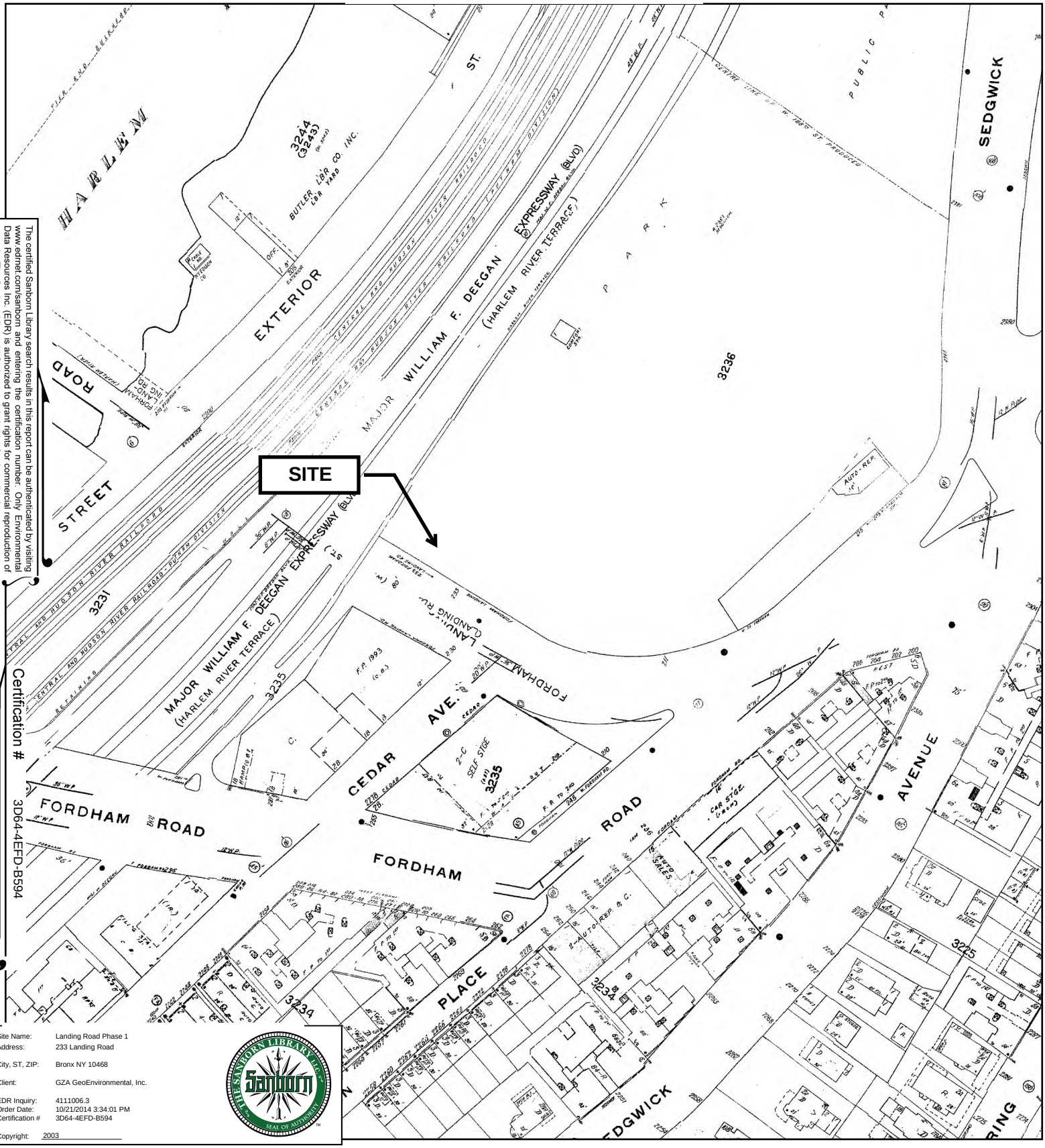
# 2003 Certified Sanborn Map

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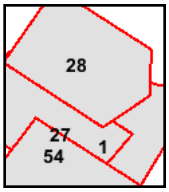


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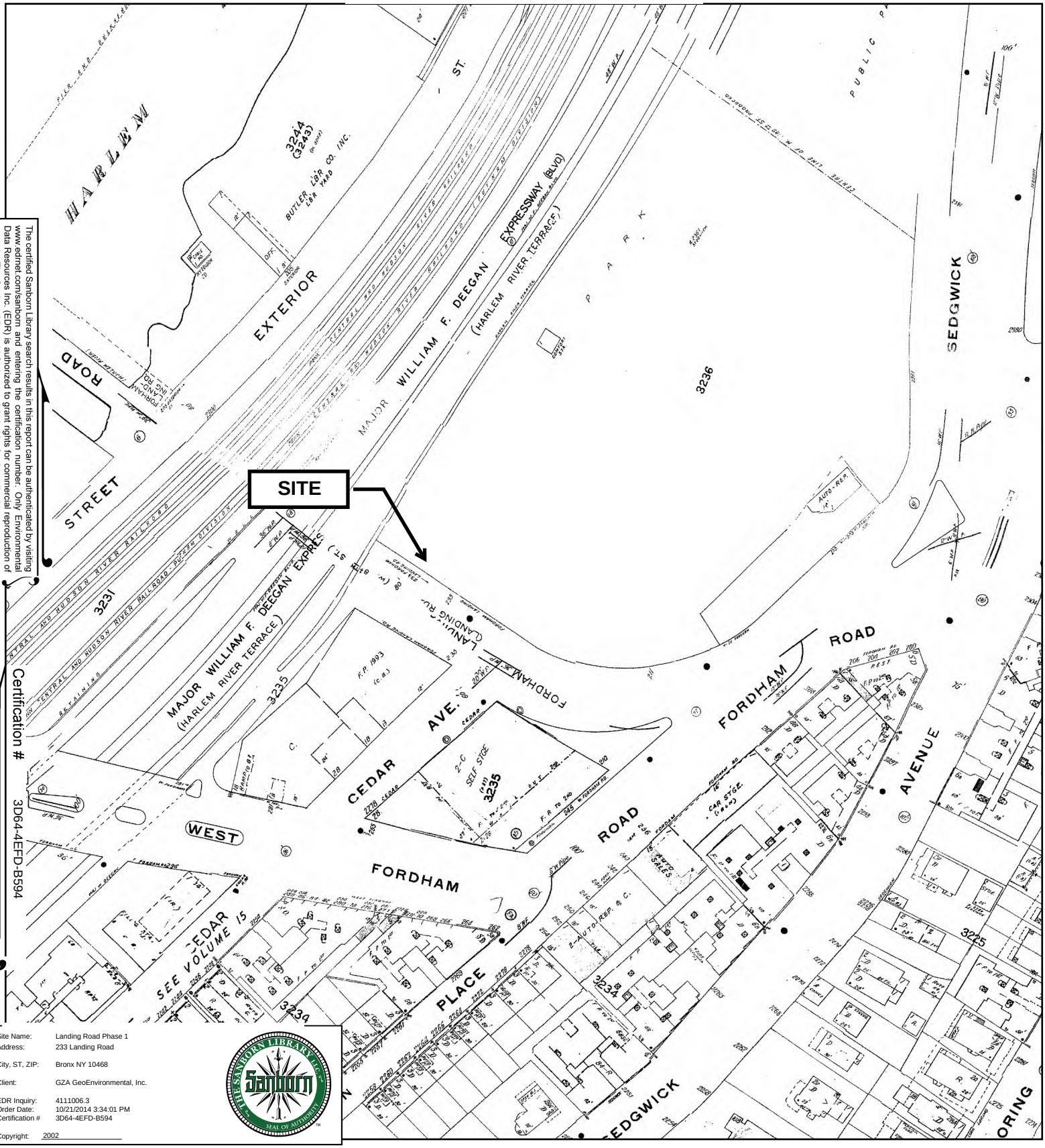
# 2002 Certified Sanborn Map

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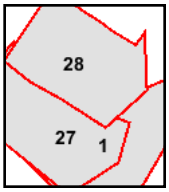


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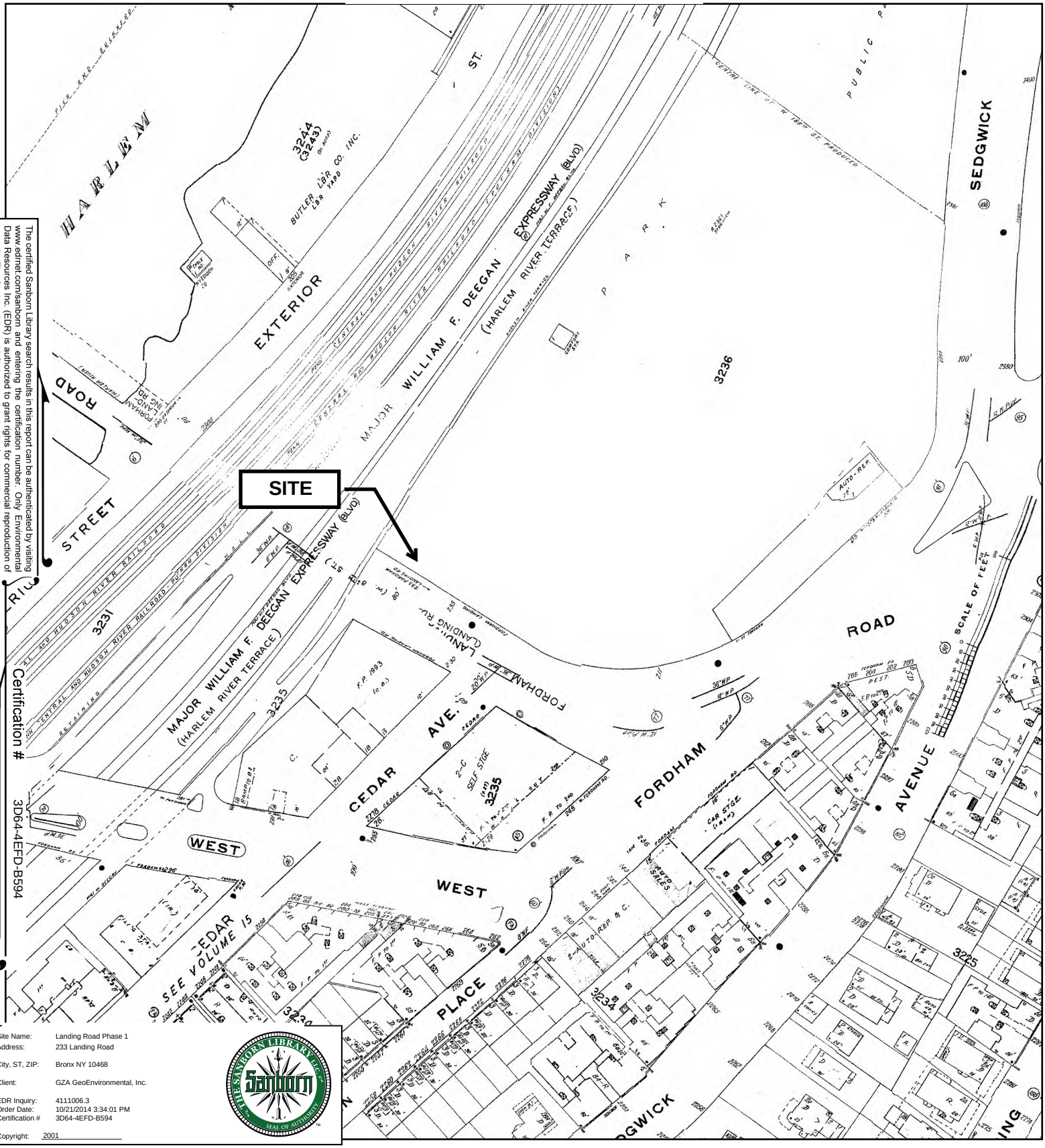
# 2001 Certified Sanborn Map

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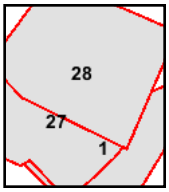


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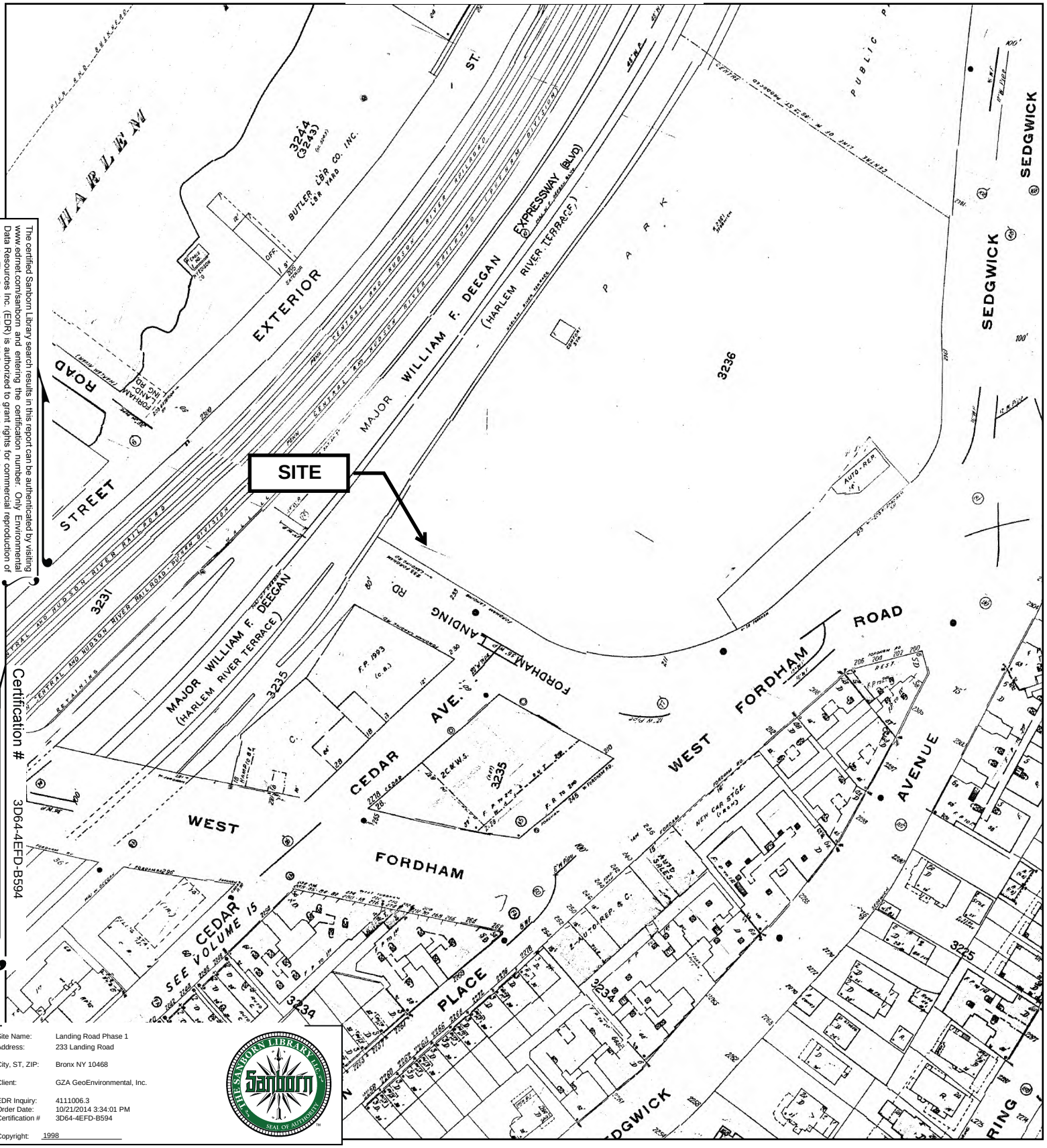
# 1998 Certified Sanborn Map

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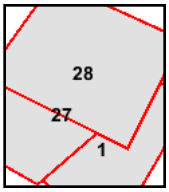


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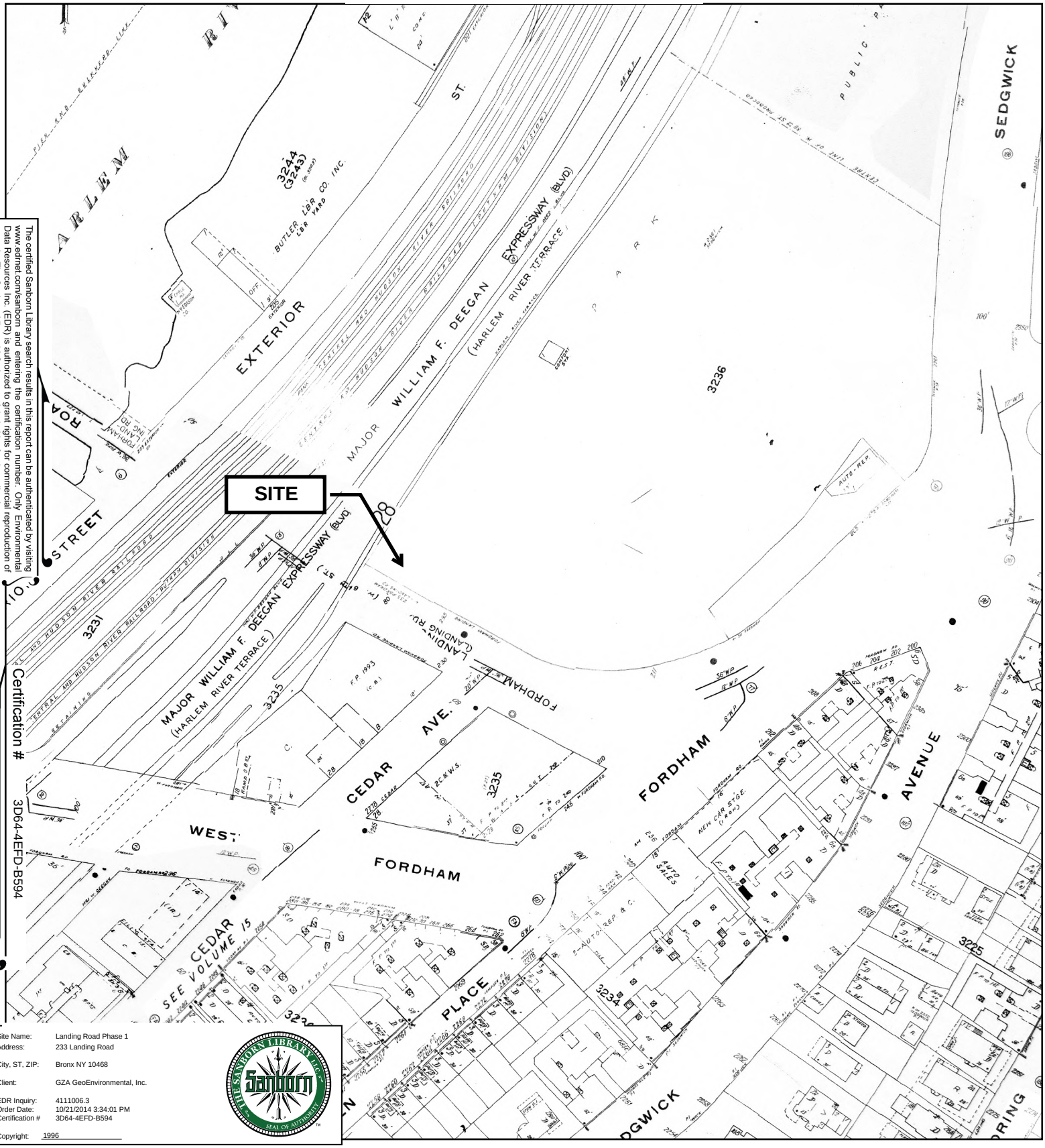


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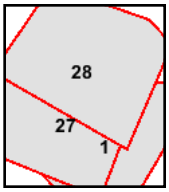


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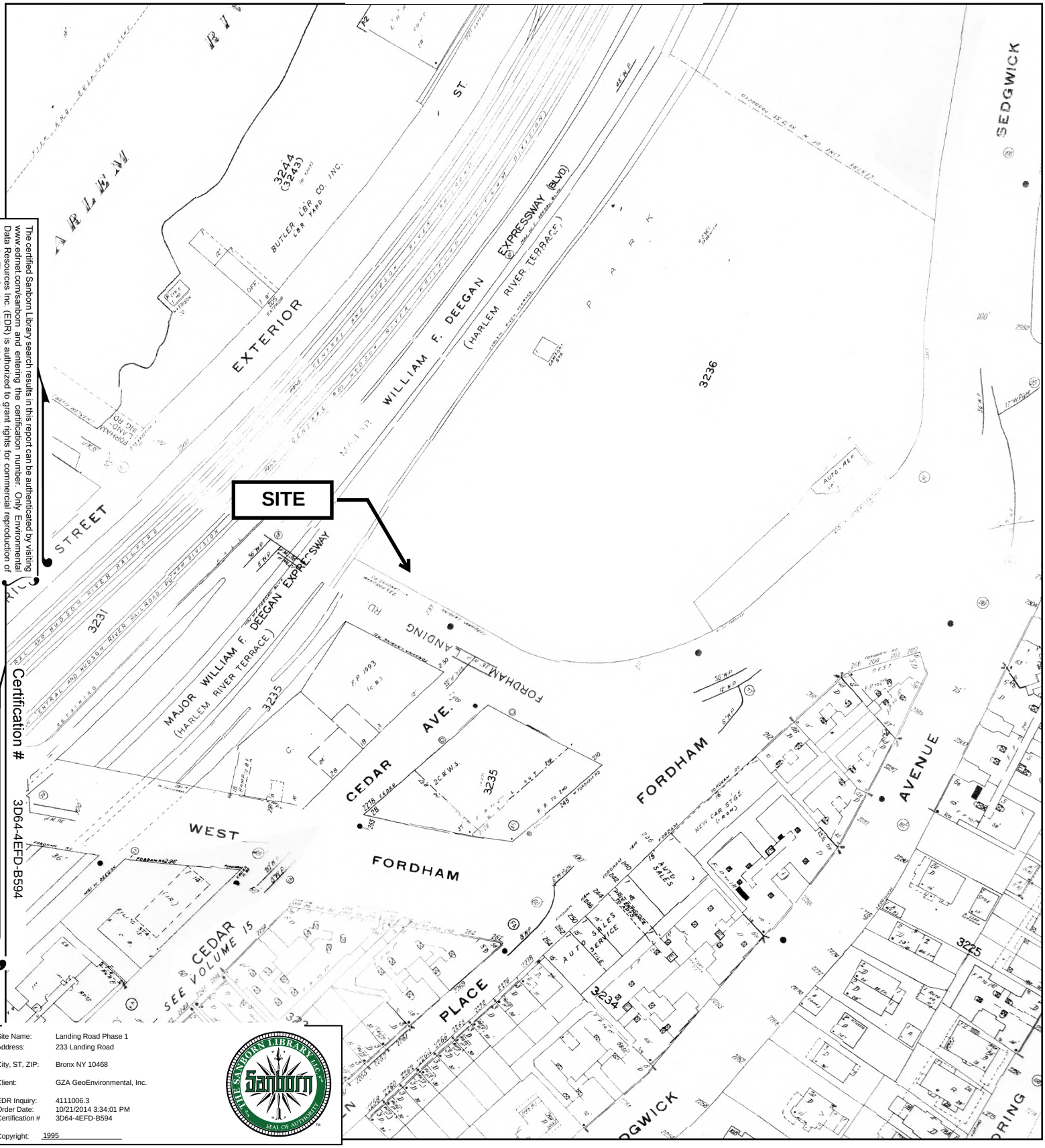
# 1995 Certified Sanborn Map

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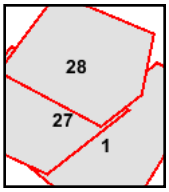


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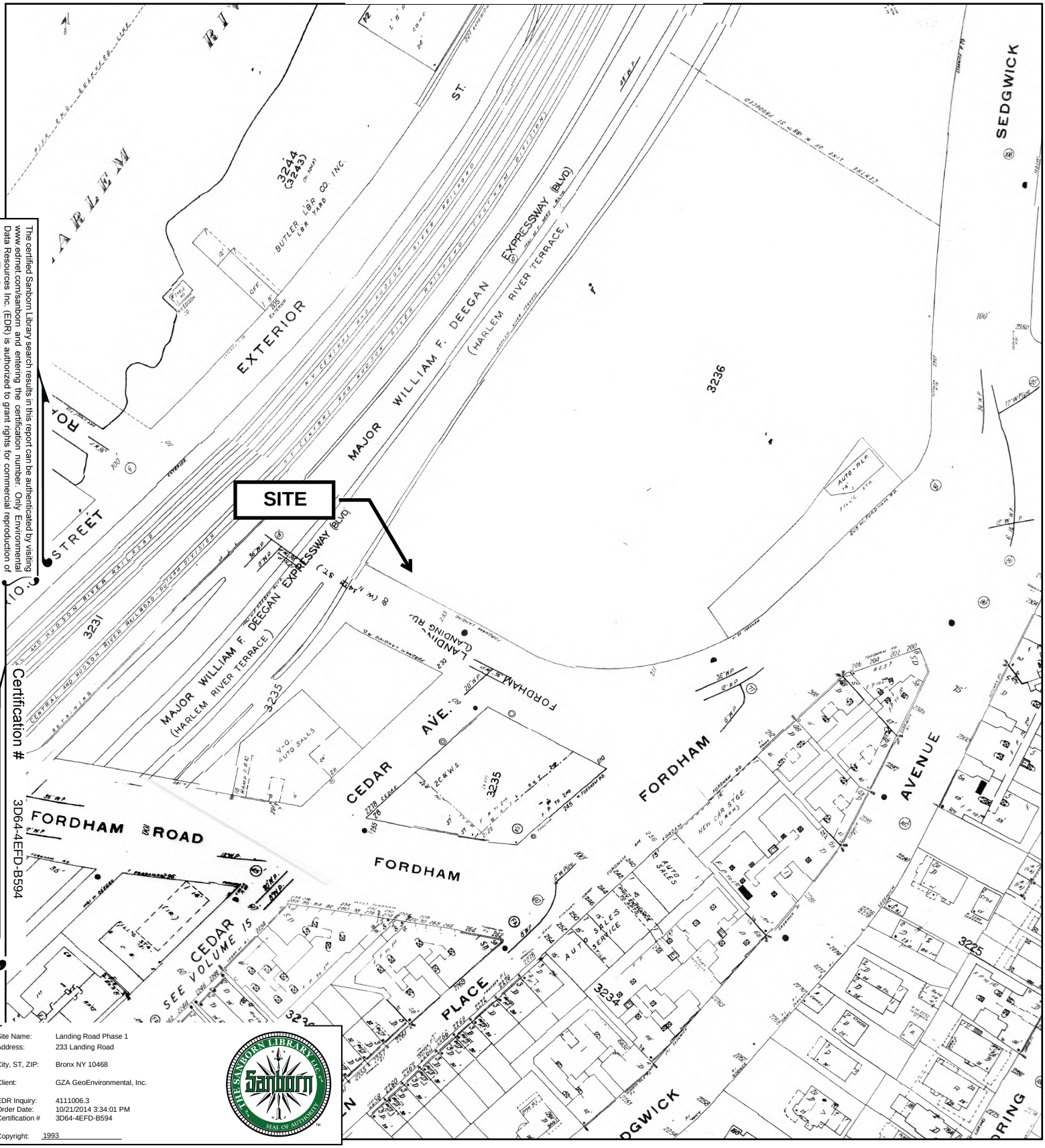


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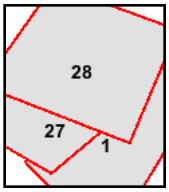


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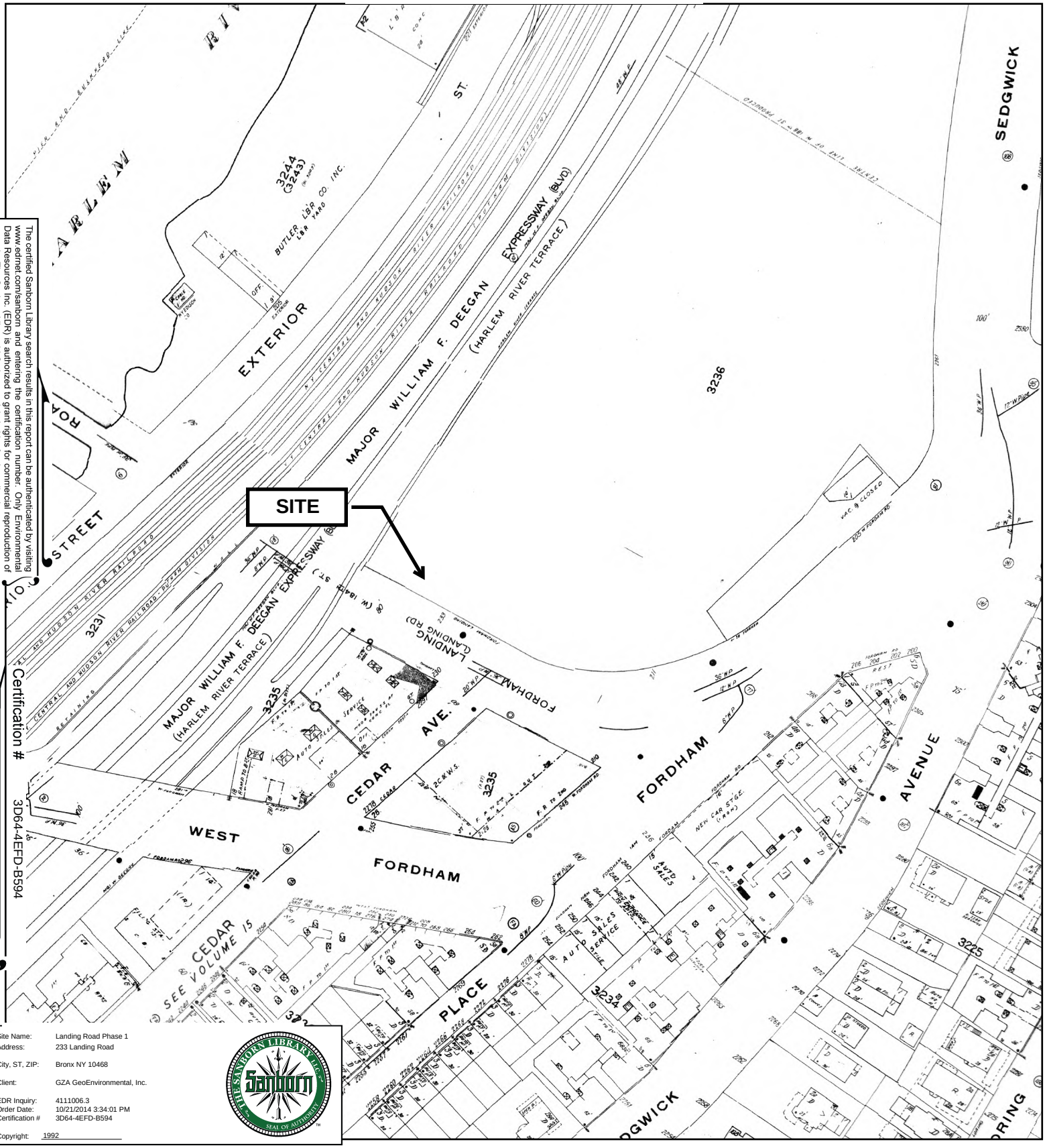


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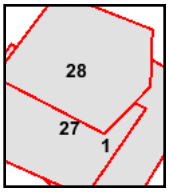


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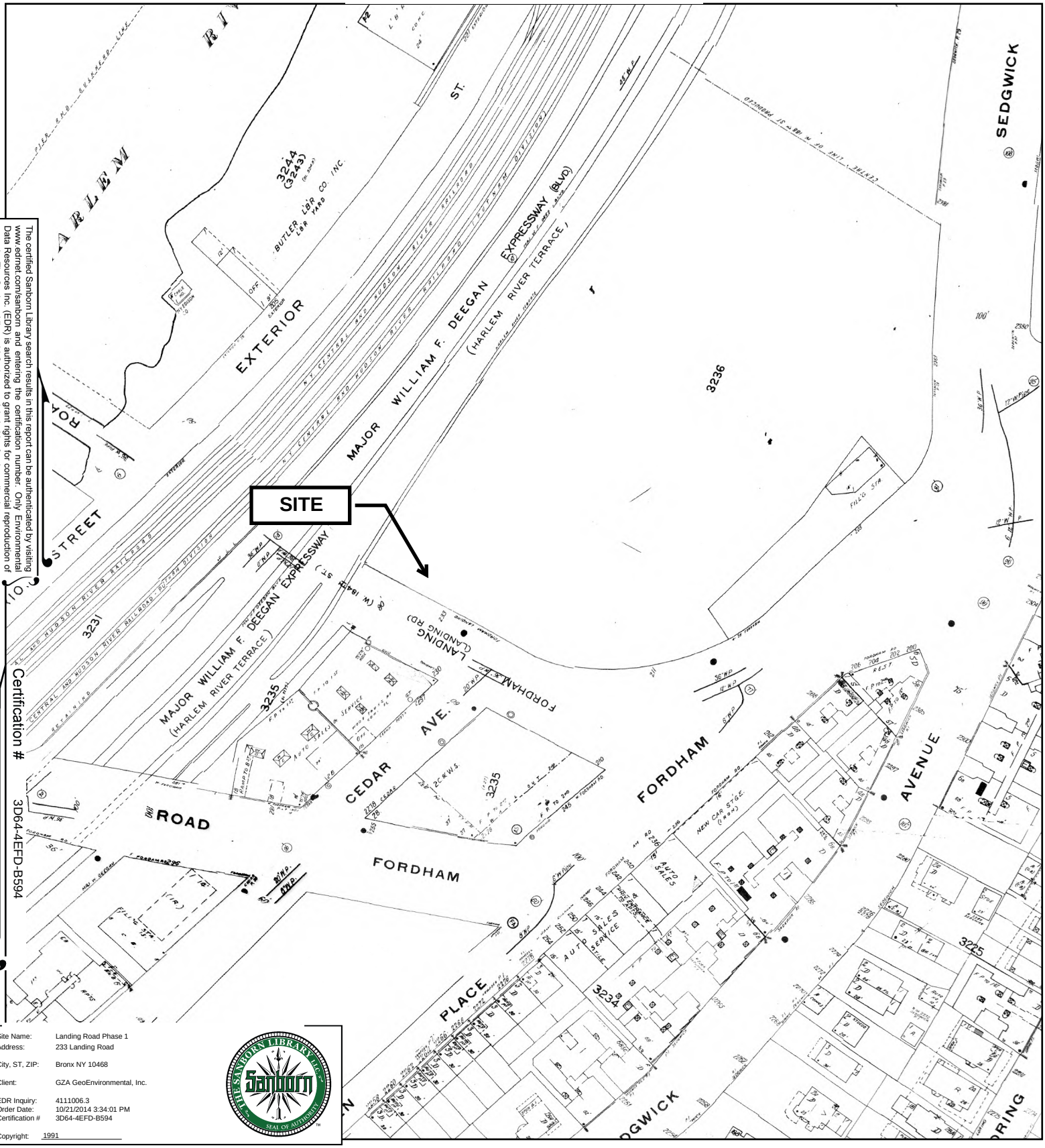
# 1991 Certified Sanborn Map

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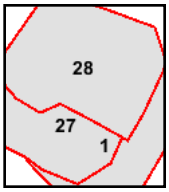


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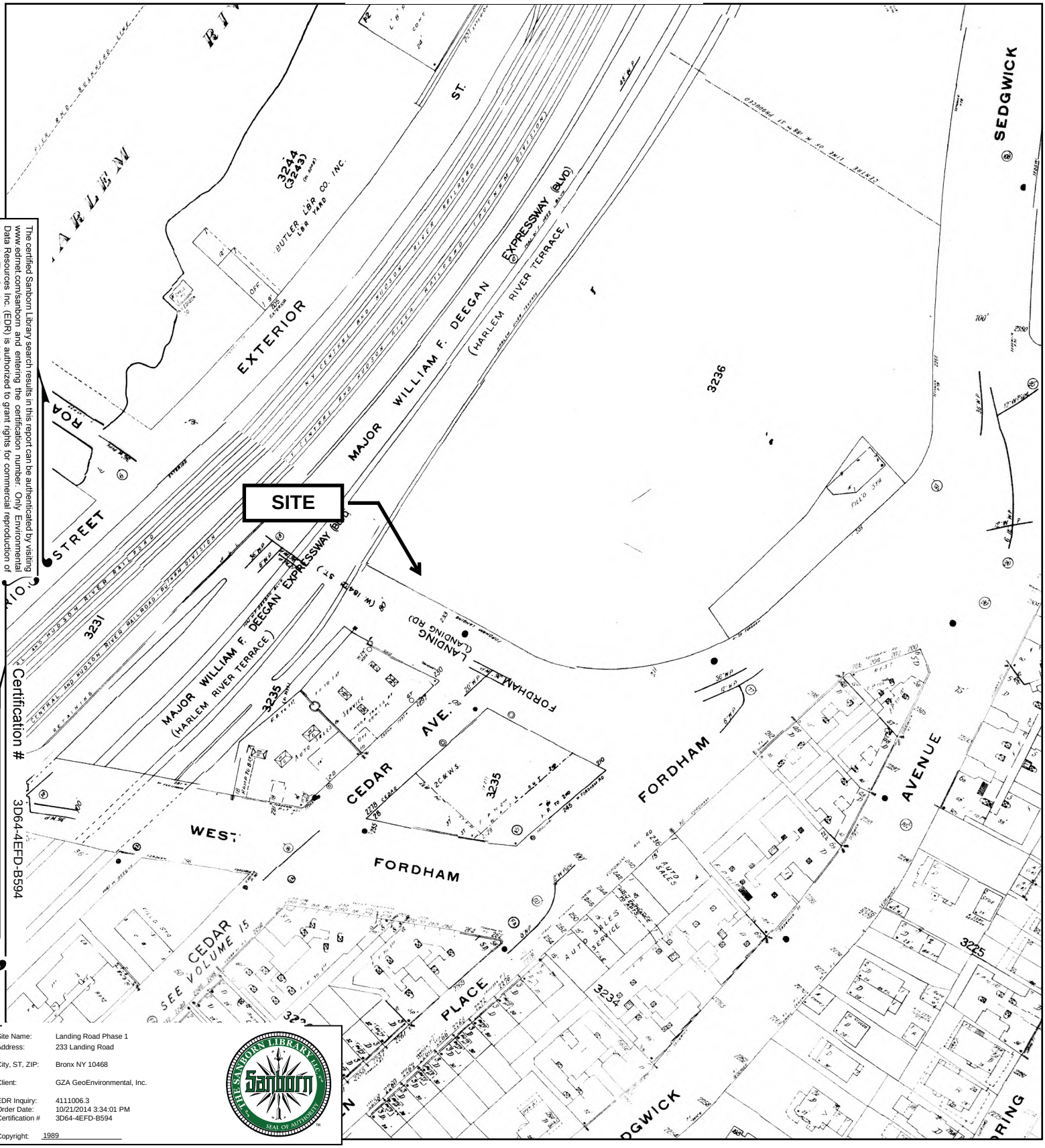
# 1989 Certified Sanborn Map

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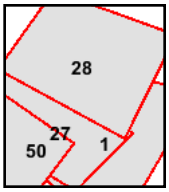


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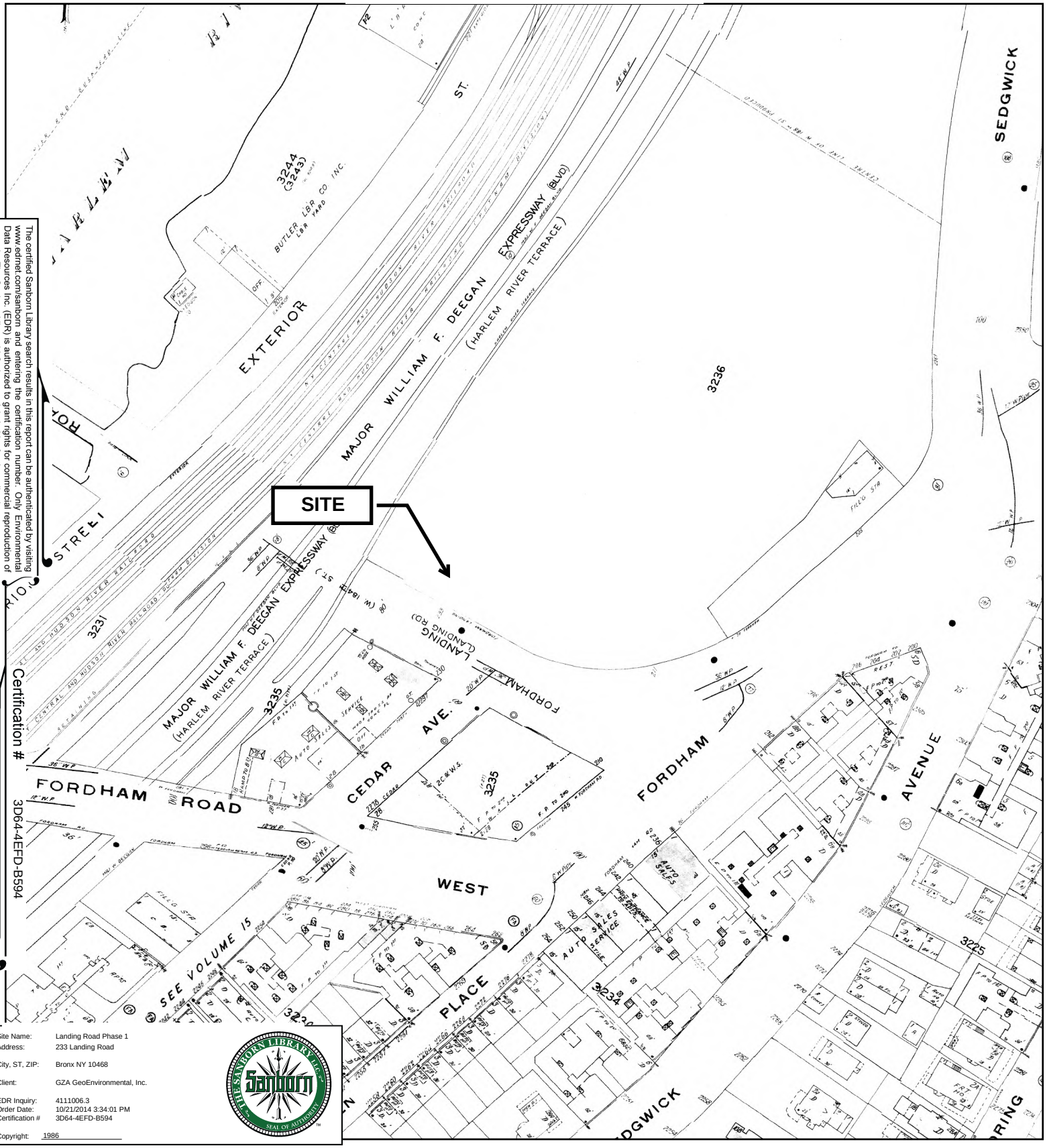
# 1986 Certified Sanborn Map

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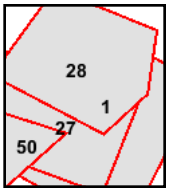


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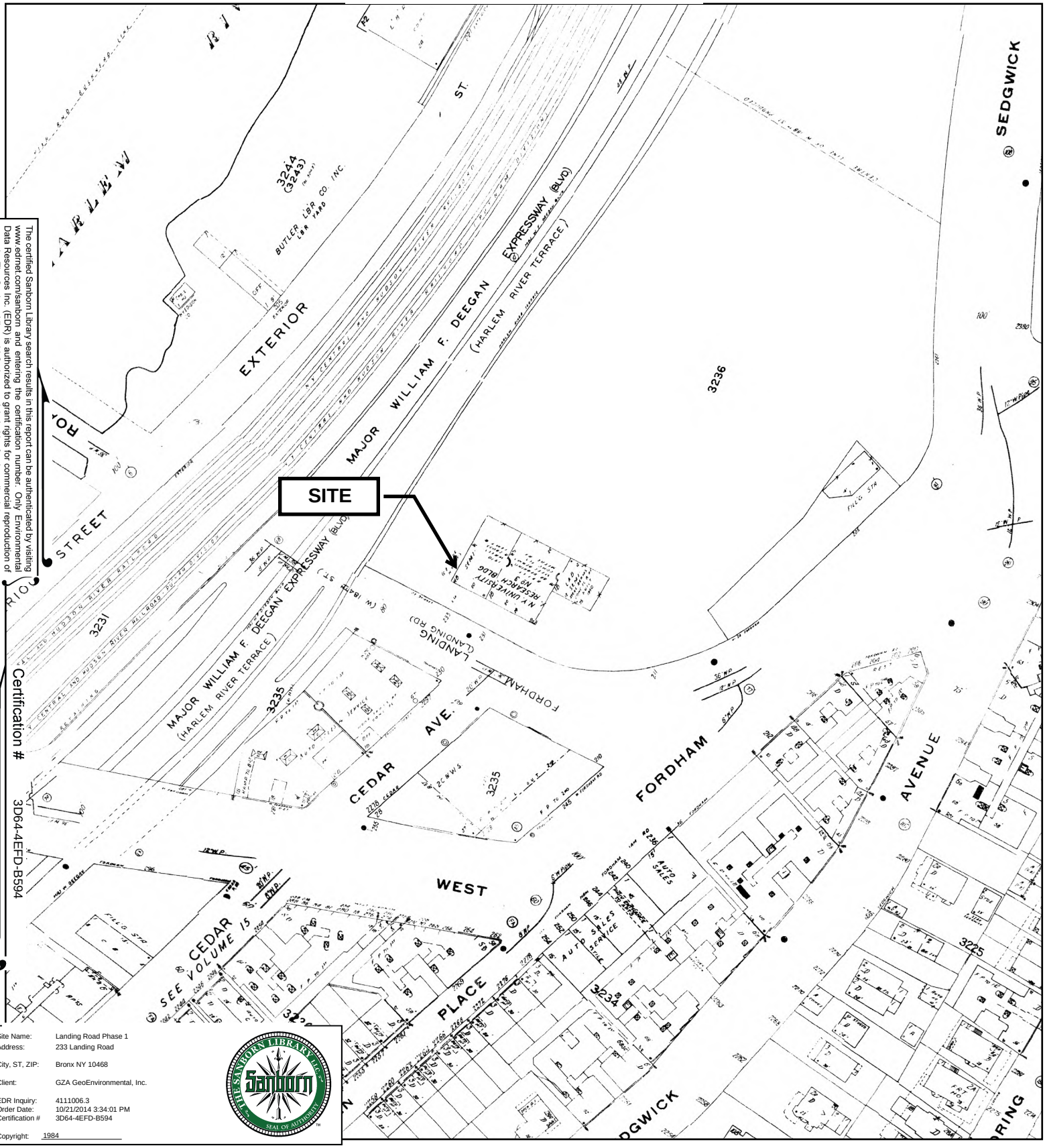
# 1984 Certified Sanborn Map

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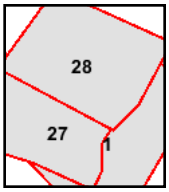


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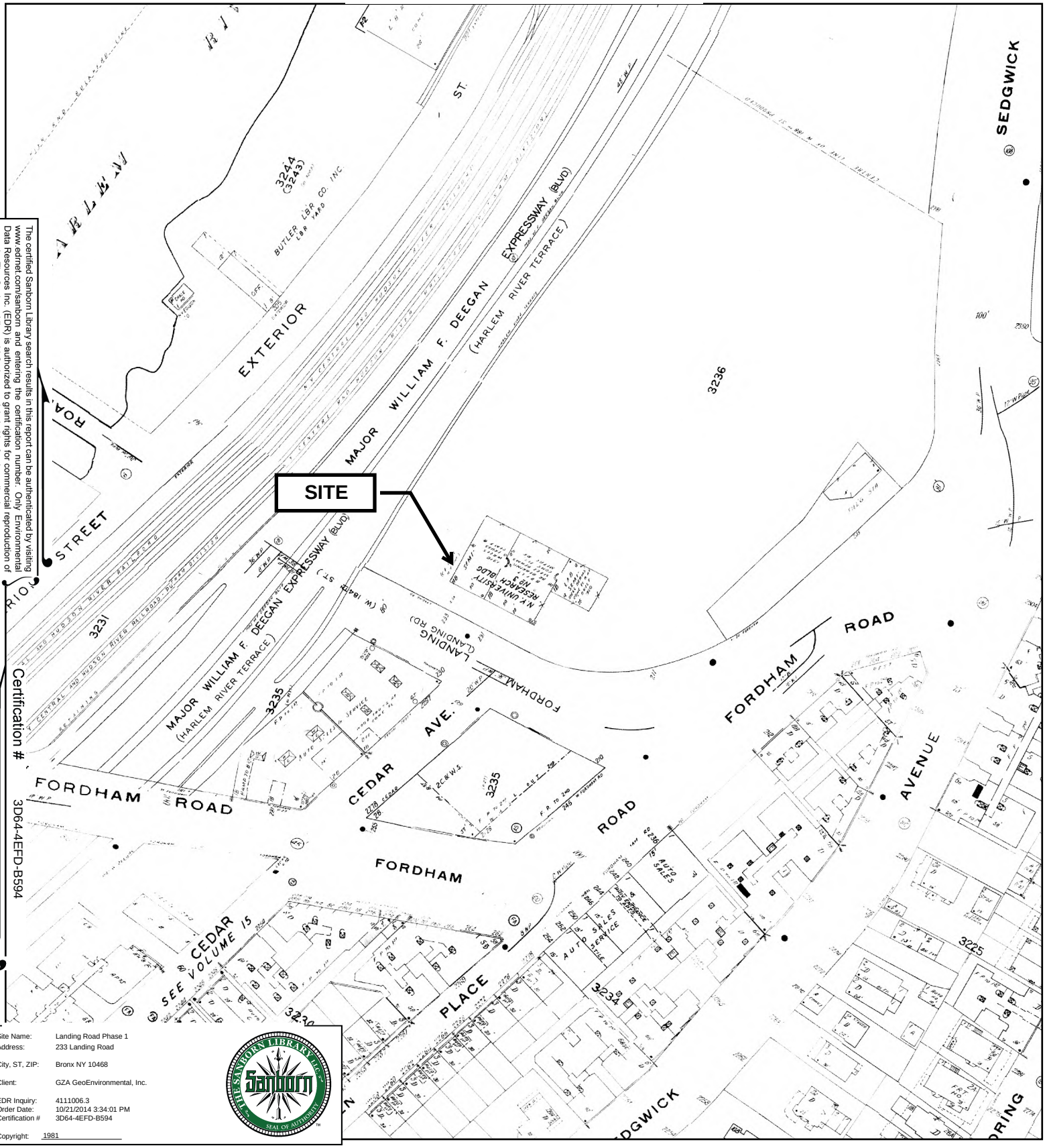
# 1981 Certified Sanborn Map

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Certification # 3D64-4EFD-B594

| | |
|---|---|
| Site Name: | Landing Road Phase 1 |
| Address: | 233 Landing Road |
| City, ST, ZIP: | Bronx NY 10468 |
| Client: | GZA GeoEnvironmental, Inc. |
| EDR Inquiry: | 4111006.3 |
| Order Date: | 10/21/2014 3:34:01 PM |
| Certification # | 3D64-4EFD-B594 |
| Copyright: | 1981 |

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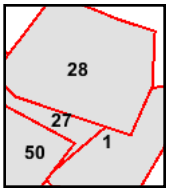


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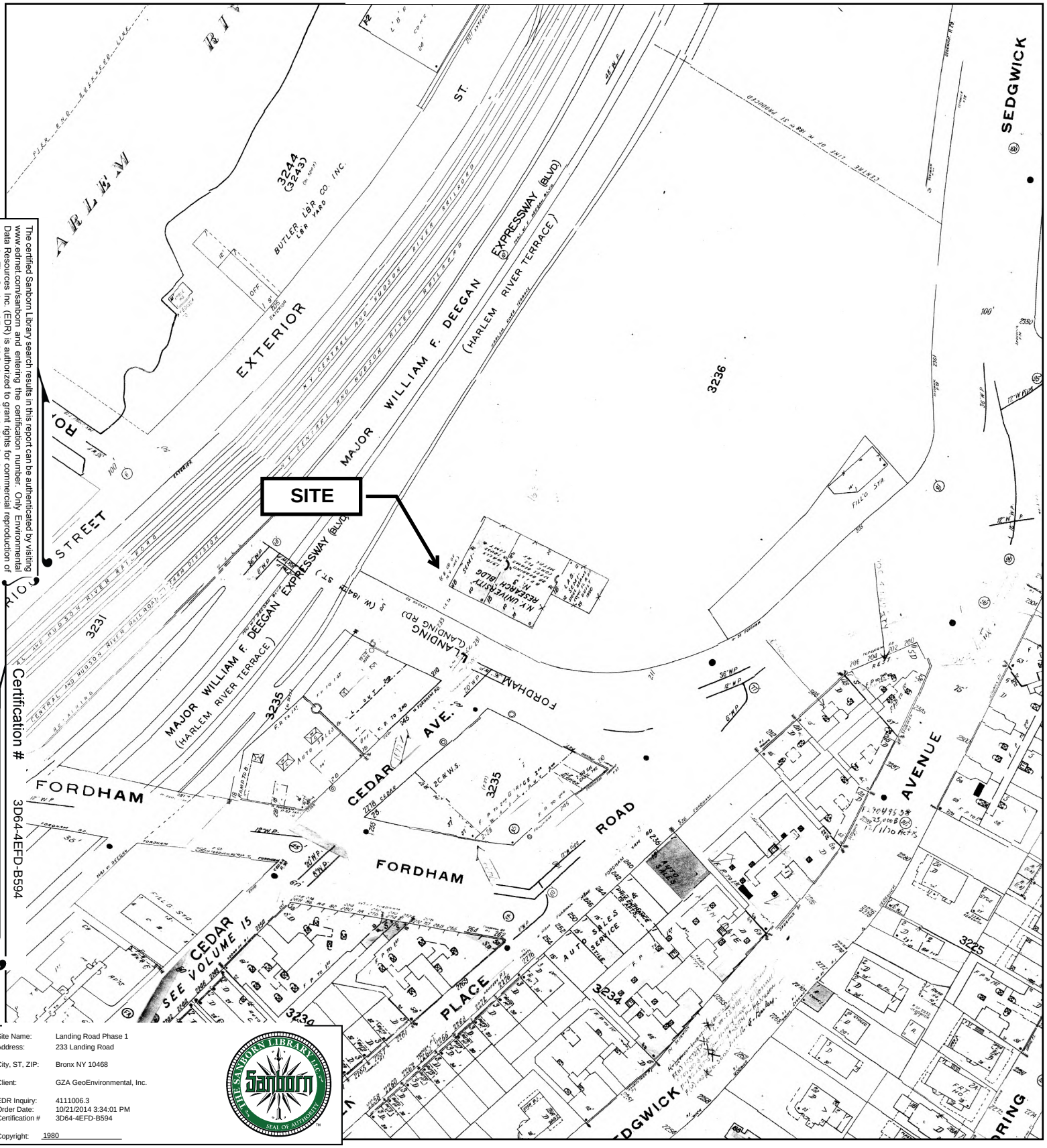
Volume 14, Sheet 28

N

# 1980 Certified Sanborn Map

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| EDR Inquiry: | 4111006.3 |
| Order Date: | 10/21/2014 3:34:01 PM |
| Certification # | 3D64-4EFD-B594 |
| Copyright: | 1980 |

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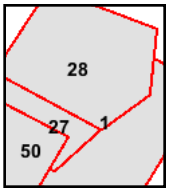


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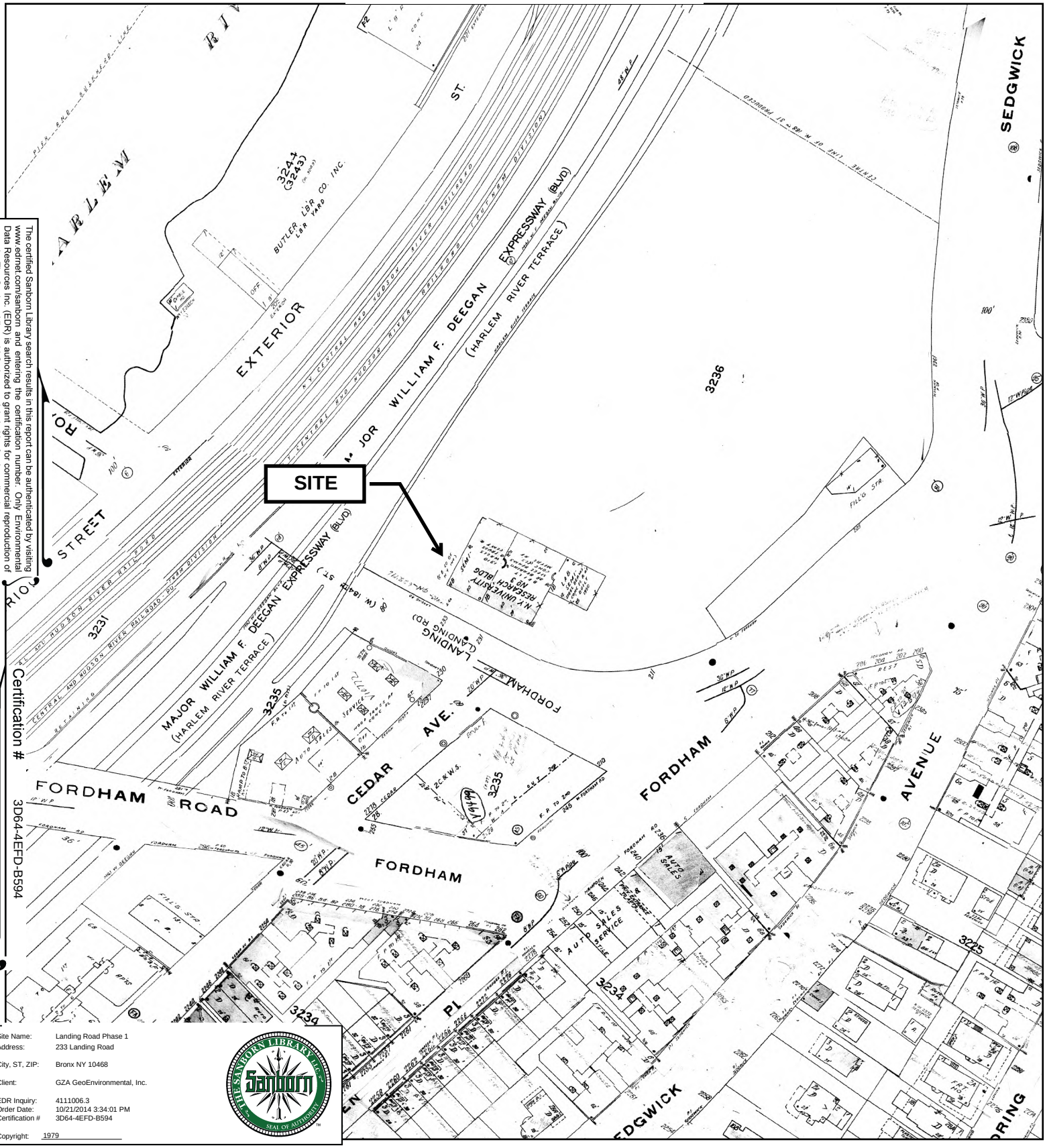
N

# 1979 Certified Sanborn Map

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Certification # 3D64-4EFD-B594

| | |
|---|---|
| Site Name: | Landing Road Phase 1 |
| Address: | 233 Landing Road |
| City, ST, ZIP: | Bronx NY 10468 |
| Client: | GZA GeoEnvironmental, Inc. |
| EDR Inquiry: | 4111006.3 |
| Order Date: | 10/21/2014 3:34:01 PM |
| Certification # | 3D64-4EFD-B594 |
| Copyright: | 1979 |

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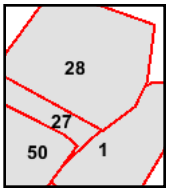


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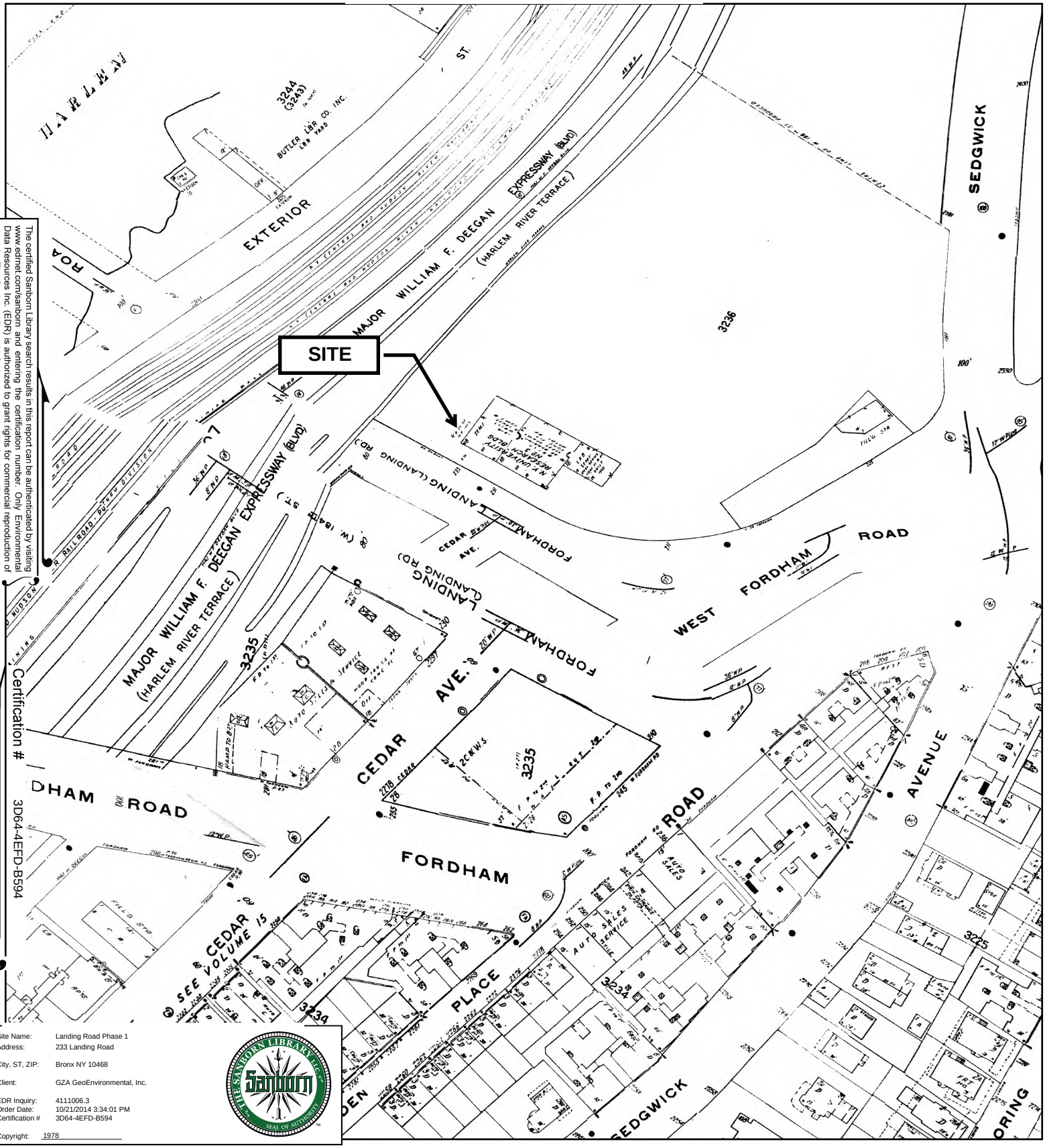


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| | |
|---|---|
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| Address: | 233 Landing Road |
| City, ST, ZIP: | Bronx NY 10468 |
| Client: | GZA GeoEnvironmental, Inc. |
| EDR Inquiry: | 4111006.3 |
| Order Date: | 10/21/2014 3:34:01 PM |
| Certification # | 3D64-4EFD-B594 |
| Copyright: | 1978 |

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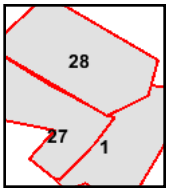
0 Feet 150 300 600

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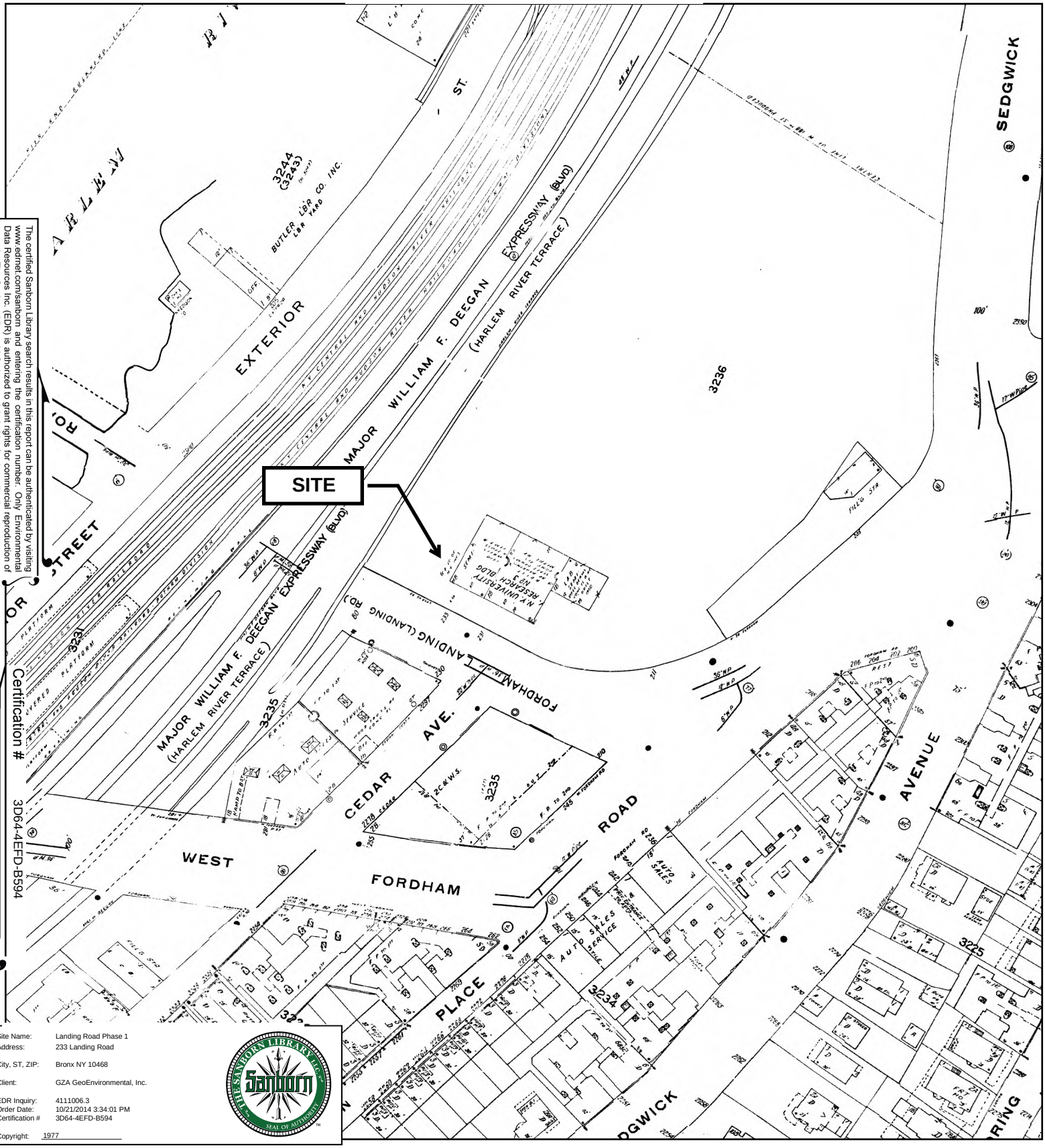


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| | |
|---|---|
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| Address: | 233 Landing Road |
| City, ST, ZIP: | Bronx NY 10468 |
| Client: | GZA GeoEnvironmental, Inc. |
| EDR Inquiry: | 4111006.3 |
| Order Date: | 10/21/2014 3:34:01 PM |
| Certification # | 3D64-4EFD-B594 |
| Copyright: | 1977 |

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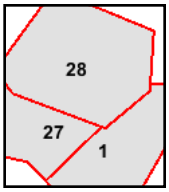


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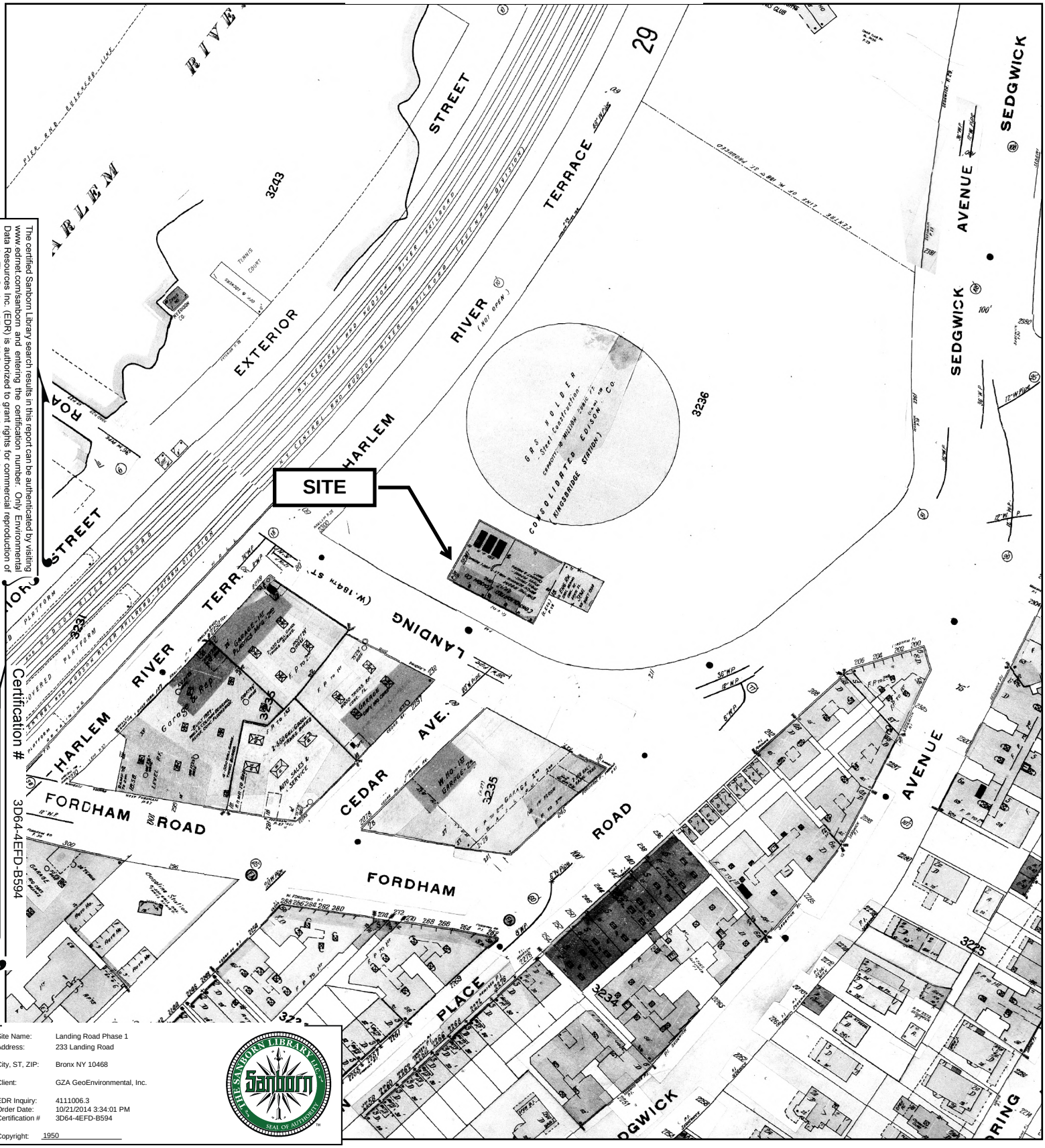
N

# 1950 Certified Sanborn Map

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| | |
|---|---|
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| Address: | 233 Landing Road |
| City, ST, ZIP: | Bronx NY 10468 |
| Client: | GZA GeoEnvironmental, Inc. |
| EDR Inquiry: | 4111006.3 |
| Order Date: | 10/21/2014 3:34:01 PM |
| Certification # | 3D64-4EFD-B594 |
| Copyright: | 1950 |

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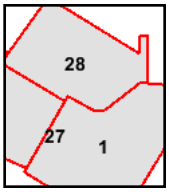


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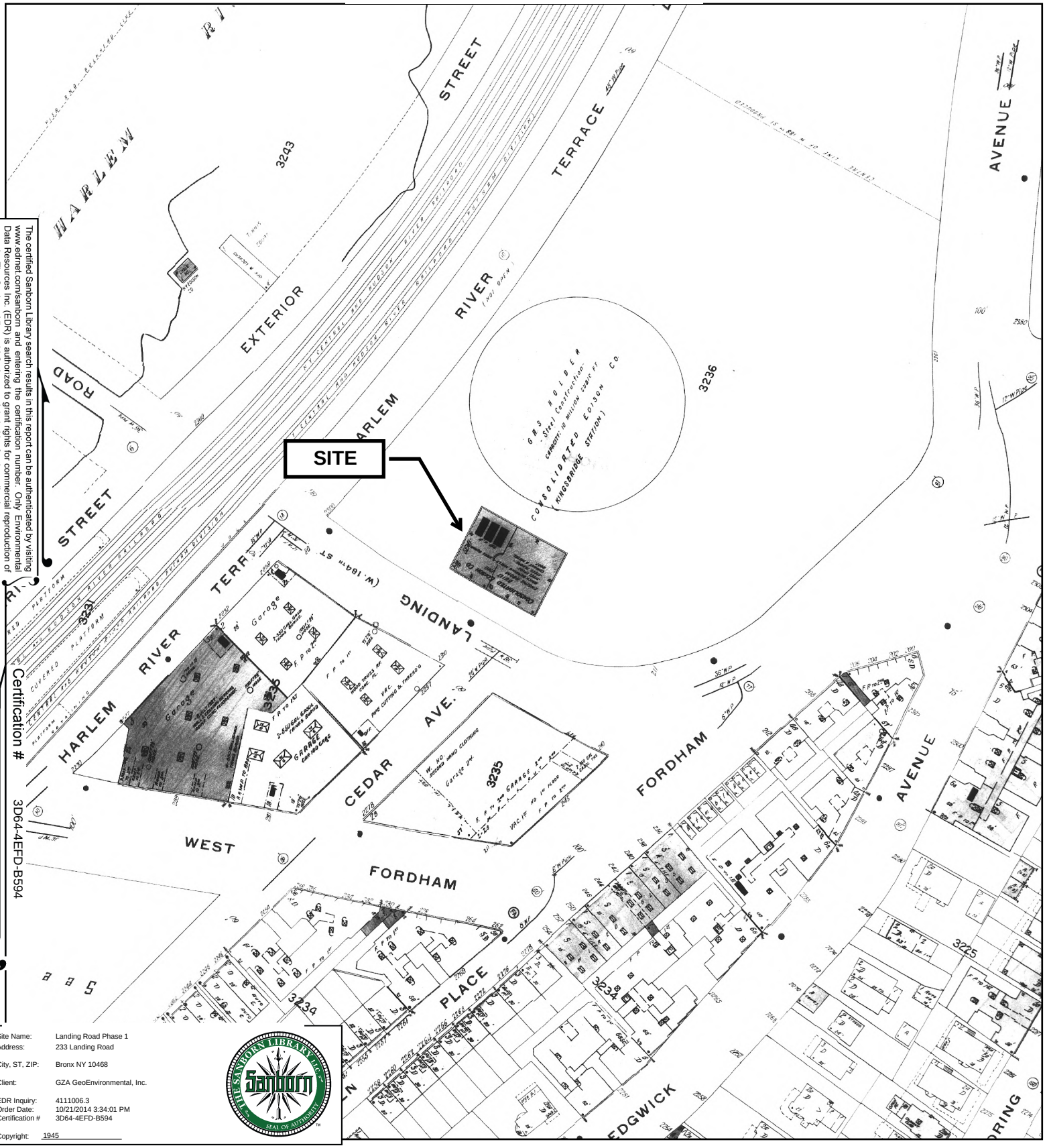
N

# 1945 Certified Sanborn Map

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| Address: | 233 Landing Road |
| City, ST, ZIP: | Bronx NY 10468 |
| Client: | GZA GeoEnvironmental, Inc. |
| EDR Inquiry: | 4111006.3 |
| Order Date: | 10/21/2014 3:34:01 PM |
| Certification # | 3D64-4EFD-B594 |
| Copyright: | 1945 |

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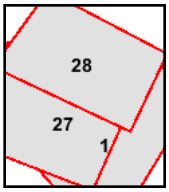


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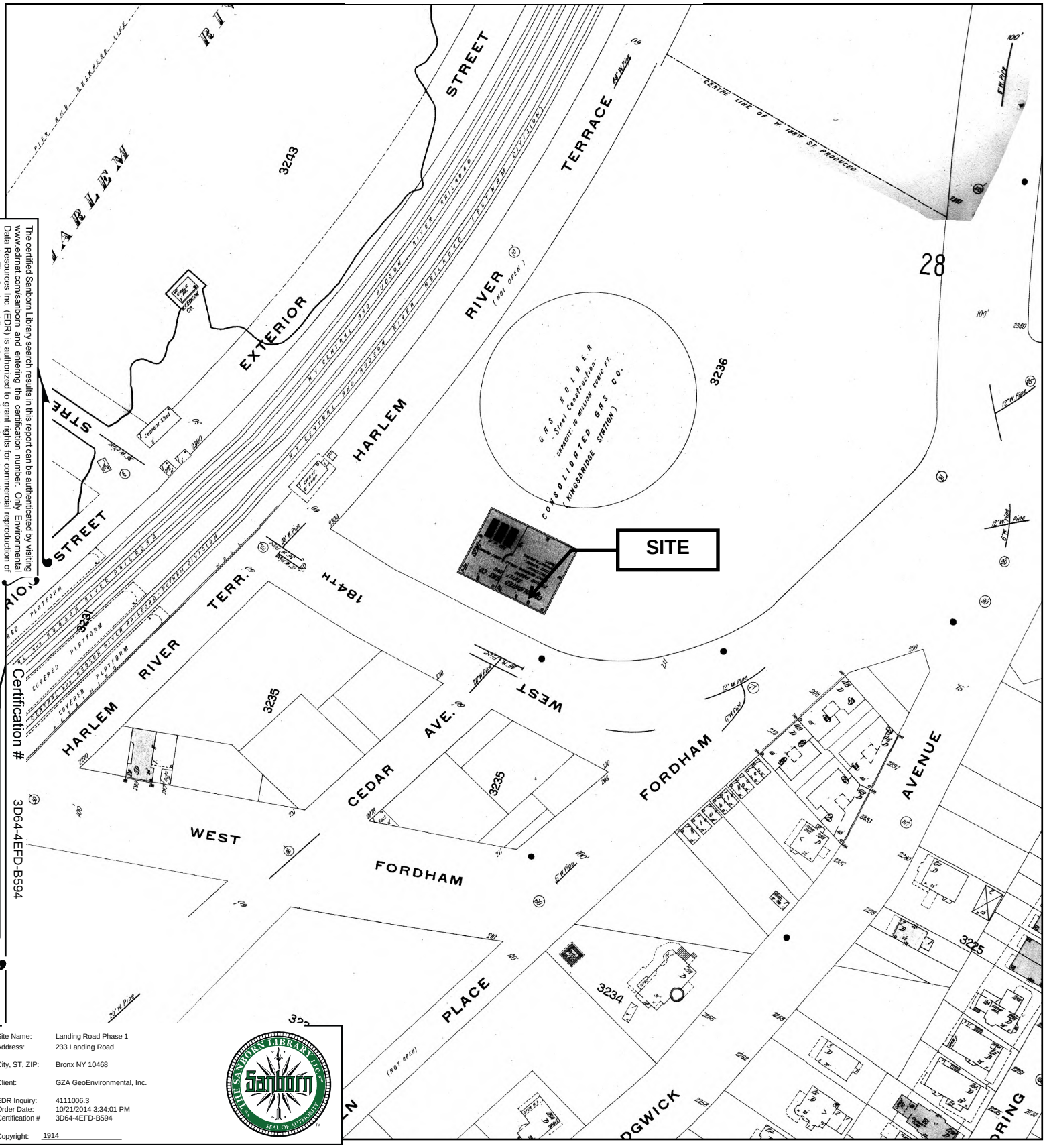
N

# 1914 Certified Sanborn Map

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| | |
|---|---|
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| Address: | 233 Landing Road |
| City, ST, ZIP: | Bronx NY 10468 |
| Client: | GZA GeoEnvironmental, Inc. |
| EDR Inquiry: | 4111006.3 |
| Order Date: | 10/21/2014 3:34:01 PM |
| Certification # | 3D64-4EFD-B594 |
| Copyright: | 1914 |

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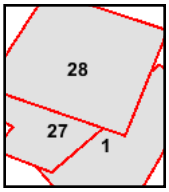


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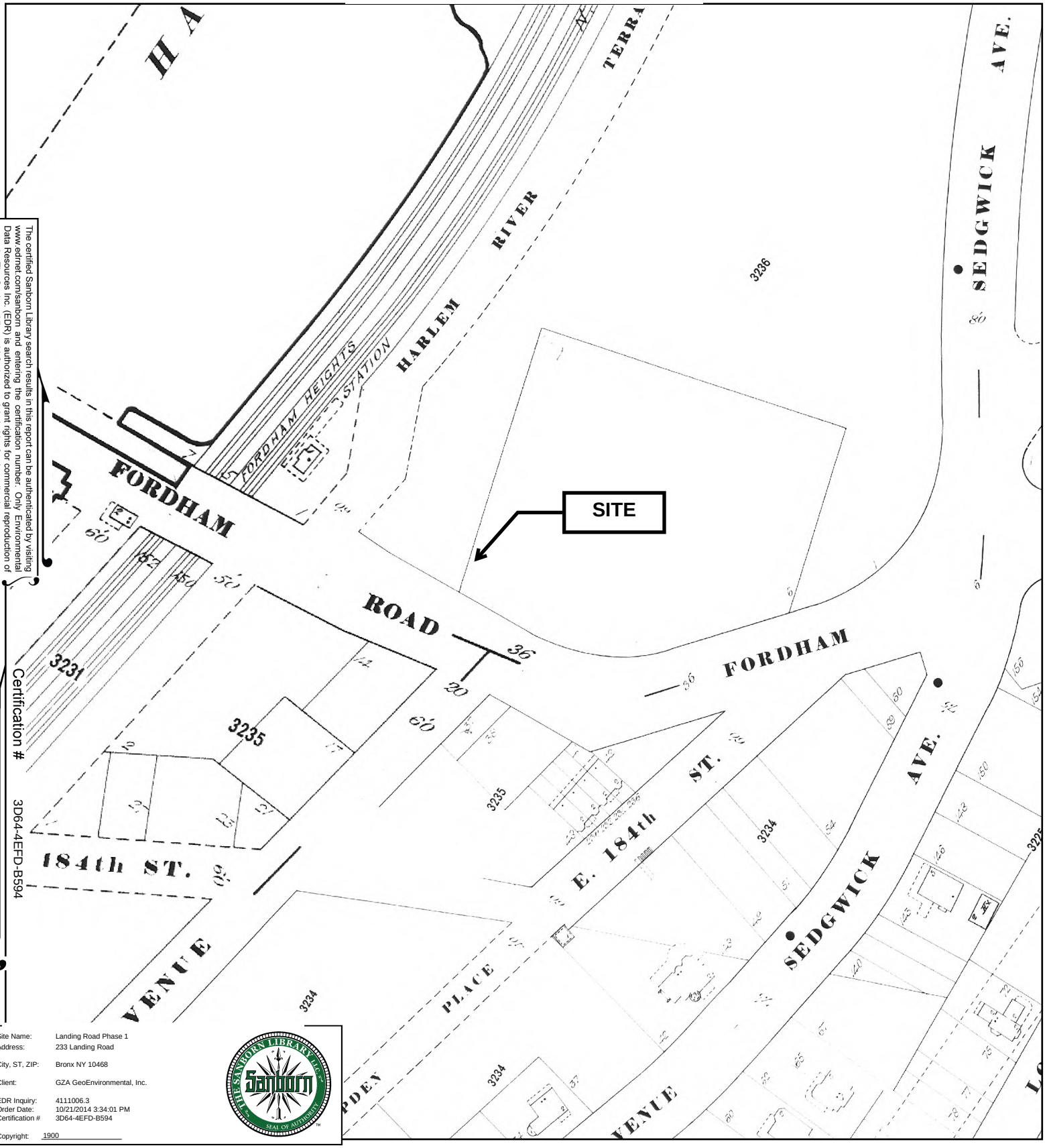
N

# 1900 Certified Sanborn Map

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|---|---|
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| Address: | 233 Landing Road |
| City, ST, ZIP: | Bronx NY 10468 |
| Client: | GZA GeoEnvironmental, Inc. |
| EDR Inquiry: | 4111006.3 |
| Order Date: | 10/21/2014 3:34:01 PM |
| Certification # | 3D64-4EFD-B594 |
| Copyright: | 1900 |

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

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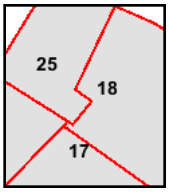


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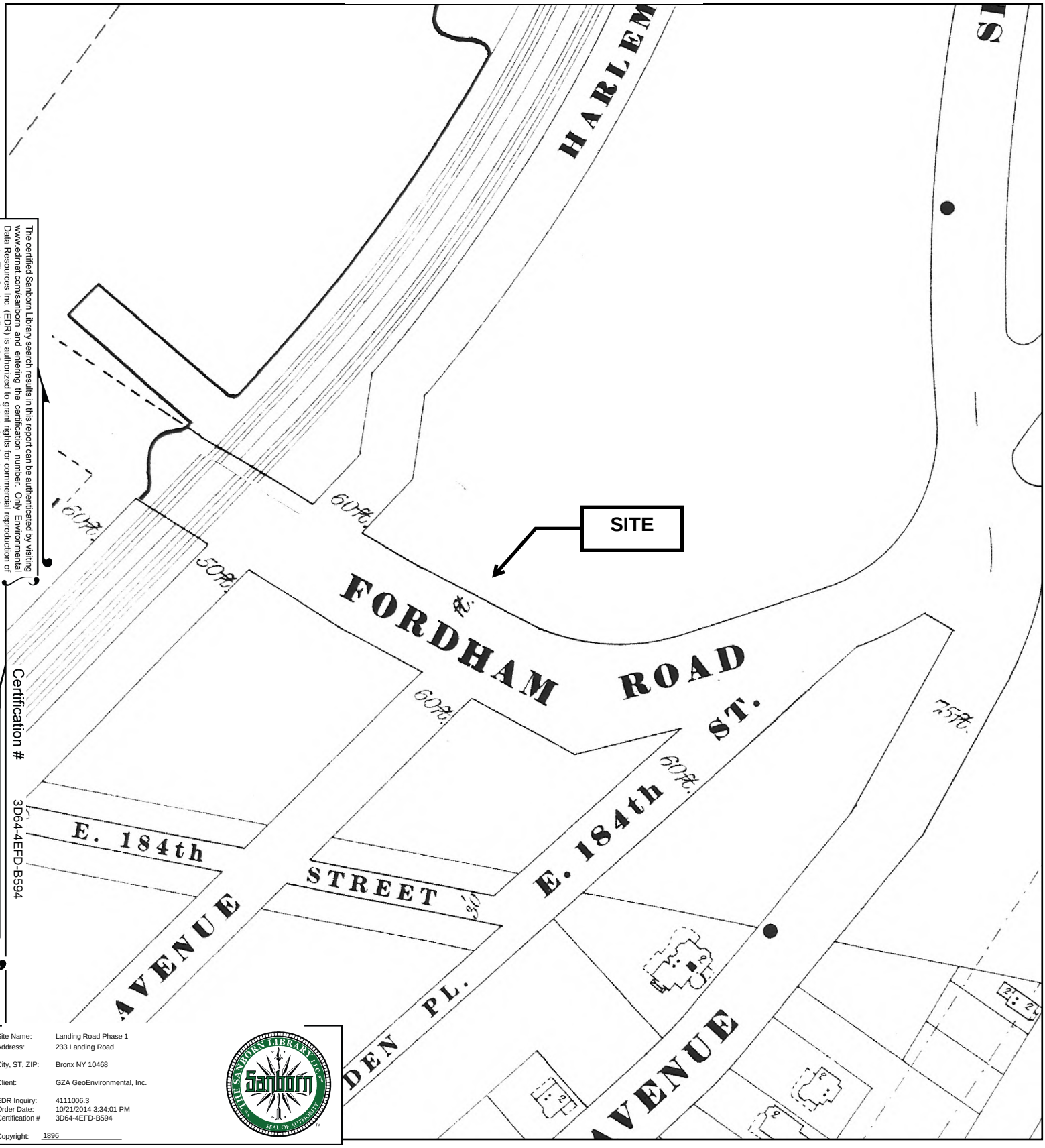
N

# 1896 Certified Sanborn Map

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|---|---|
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| Client: | GZA GeoEnvironmental, Inc. |
| EDR Inquiry: | 4111006.3 |
| Order Date: | 10/21/2014 3:34:01 PM |
| Certification # | 3D64-4EFD-B594 |
| Copyright: | 1896 |

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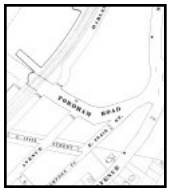

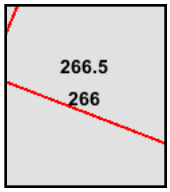


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Volume 12, Sheet 266.5

N

# APPENDIX H

EDR RADIUS AND VEC REPORT

**Landing Road Phase 1**
233 Landing Road
Bronx, NY 10468

Inquiry Number: 4111006.2s
October 21, 2014

# The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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| Map Findings Summary | 4 |
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## GEOCHECK ADDENDUM

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***Thank you for your business.***
Please contact EDR at 1-800-352-0050
with any questions or comments.


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# EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

**TARGET PROPERTY INFORMATION**

**ADDRESS**

233 LANDING ROAD
BRONX, NY 10468

**COORDINATES**

| | |
|---|---|
| Latitude (North): | 40.8626000 - 40˚ 51' 45.36'' |
| Longitude (West): | 73.9109000 - 73˚ 54' 39.24'' |
| Universal Tranverse Mercator: | Zone 18 |
| UTM X (Meters): | 591788.2 |
| UTM Y (Meters): | 4523863.5 |
| Elevation: | 51 ft. above sea level |

**USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY**

| | |
|---|---|
| Target Property Map: | 40073-G8 CENTRAL PARK, NY NJ |
| Most Recent Revision: | 1995 |
| North Map: | 40073-H8 YONKERS, NY NJ |
| Most Recent Revision: | 1998 |

**AERIAL PHOTOGRAPHY IN THIS REPORT**

| | |
|---|---|
| Portions of Photo from: | 20100731, 20110710, 20110705 |
| Source: | USDA |

**TARGET PROPERTY SEARCH RESULTS**

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

| Site | Database(s) | EPA ID |
|---|---|---|
| LOT 25,TAXBLOCK 3236<br>233 LANDING ROAD<br>BRONX, NY 10468 | NY E DESIGNATION | N/A |

# EXECUTIVE SUMMARY

**DATABASES WITH NO MAPPED SITES**

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

**STANDARD ENVIRONMENTAL RECORDS**

***Federal NPL site list***

NPL ..... National Priority List
Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

***Federal Delisted NPL site list***

Delisted NPL ..... National Priority List Deletions

***Federal CERCLIS list***

CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ..... Federal Facility Site Information listing

***Federal CERCLIS NFRAP site List***

CERC-NFRAP ..... CERCLIS No Further Remedial Action Planned

***Federal RCRA CORRACTS facilities list***

CORRACTS ..... Corrective Action Report

***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

***Federal RCRA generators list***

RCRA-LQG ..... RCRA - Large Quantity Generators

***Federal institutional controls / engineering controls registries***

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls
LUCIS ..... Land Use Control Information System

***Federal ERNS list***

ERNS ..... Emergency Response Notification System

***State- and tribal - equivalent CERCLIS***

NY VAPOR REOPENED ..... Vapor Intrusion Legacy Site List

***State and tribal landfill and/or solid waste disposal site lists***

NY SWF/LF ..... Facility Register

# EXECUTIVE SUMMARY

***State and tribal leaking storage tank lists***

NY HIST LTANKS..... Listing of Leaking Storage Tanks
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

***State and tribal registered storage tank lists***

NY TANKS..... Storage Tank Faciliy Listing
NY CBS UST..... Chemical Bulk Storage Database
NY MOSF UST..... Major Oil Storage Facilities Database
NY MOSF AST..... Major Oil Storage Facilities Database
NY MOSF..... Major Oil Storage Facility Site Listing
INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

***State and tribal voluntary cleanup sites***

INDIAN VCP..... Voluntary Cleanup Priority Listing

***State and tribal Brownfields sites***

NY ERP..... Environmental Restoration Program Listing
NY BROWNFIELDS..... Brownfields Site List

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Brownfield lists***

US BROWNFIELDS..... A Listing of Brownfields Sites

***Local Lists of Landfill / Solid Waste Disposal Sites***

ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
NY SWTIRE..... Registered Waste Tire Storage & Facility List
NY SWRCY..... Registered Recycling Facility List
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

***Local Lists of Hazardous waste / Contaminated Sites***

US CDL..... Clandestine Drug Labs
NY DEL SHWS..... Delisted Registry Sites
US HIST CDL..... National Clandestine Laboratory Register

***Local Land Records***

LIENS 2..... CERCLA Lien Information
NY LIENS..... Spill Liens Information

***Records of Emergency Release Reports***

HMIRS..... Hazardous Materials Information Reporting System
NY Hist Spills..... SPILLS Database

| | |
|---|---|
| NY SPILLS 80 | SPILLS 80 data from FirstSearch |
| NY SPILLS 90 | SPILLS 90 data from FirstSearch |

***Other Ascertainable Records***

| | |
|---|---|
| DOT OPS | Incident and Accident Data |
| DOD | Department of Defense Sites |
| FUDS | Formerly Used Defense Sites |
| CONSENT | Superfund (CERCLA) Consent Decrees |
| ROD | Records Of Decision |
| UMTRA | Uranium Mill Tailings Sites |
| US MINES | Mines Master Index File |
| TRIS | Toxic Chemical Release Inventory System |
| TSCA | Toxic Substances Control Act |
| FTTS | FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) |
| HIST FTTS | FIFRA/TSCA Tracking System Administrative Case Listing |
| SSTS | Section 7 Tracking Systems |
| ICIS | Integrated Compliance Information System |
| PADS | PCB Activity Database System |
| MLTS | Material Licensing Tracking System |
| RADINFO | Radiation Information Database |
| RAATS | RCRA Administrative Action Tracking System |
| RMP | Risk Management Plans |
| NY HSWDS | Hazardous Substance Waste Disposal Site Inventory |
| NY UIC | Underground Injection Control Wells |
| NY SPDES | State Pollutant Discharge Elimination System |
| NY AIRS | Air Emissions Data |
| INDIAN RESERV | Indian Reservations |
| SCRD DRYCLEANERS | State Coalition for Remediation of Drycleaners Listing |
| NY Financial Assurance | Financial Assurance Information Listing |
| NY COAL ASH | Coal Ash Disposal Site Listing |
| COAL ASH EPA | Coal Combustion Residues Surface Impoundments List |
| US FIN ASSUR | Financial Assurance Information |
| PCB TRANSFORMER | PCB Transformer Registration Database |
| EPA WATCH LIST | EPA WATCH LIST |
| 2020 COR ACTION | 2020 Corrective Action Program List |
| LEAD SMELTERS | Lead Smelter Sites |
| PRP | Potentially Responsible Parties |
| COAL ASH DOE | Steam-Electric Plant Operation Data |

**EDR RECOVERED GOVERNMENT ARCHIVES**

***Exclusive Recovered Govt. Archives***

| | |
|---|---|
| NY RGA LF | Recovered Government Archive Solid Waste Facilities List |
| NY RGA HWS | Recovered Government Archive State Hazardous Waste Facilities List |

**SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

# EXECUTIVE SUMMARY

## STANDARD ENVIRONMENTAL RECORDS

### *Federal RCRA generators list*

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/10/2014 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***B P PRODUCTS NORTH AMERICA FAC*** | ***296 W FORDHAM RD*** | ***SW 0 - 1/8 (0.070 mi.)*** | ***C17*** | ***36*** |

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 06/10/2014 has revealed that there are 2 RCRA-CESQG sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| CON EDISON | CEDAR AVE & FORDHAM RD | SW 0 - 1/8 (0.065 mi.) | C13 | 28 |
| ***FORDHAM CLEANERS*** | ***130 W FORDHAM RD*** | ***E 1/8 - 1/4 (0.196 mi.)*** | ***Q122*** | ***266*** |

### *State- and tribal - equivalent CERCLIS*

NY SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the NY SHWS list, as provided by EDR, and dated 07/16/2014 has revealed that there are 3 NY SHWS sites within approximately 1 mile of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***2614 KINGSBRIDGE CORP*** | ***2614 UNIVERSITY AV*** | ***NE 1/2 - 1 (0.544 mi.)*** | ***AI212*** | ***518*** |
| ***2628 UNIVERSITY AVE (BLOCK 321*** | ***2628 UNIVERSITY AVENUE*** | ***NE 1/2 - 1 (0.558 mi.)*** | ***AI213*** | ***530*** |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***NYCDGS - PUBLIC SCHOOL IS 229X*** | ***275 HARLEM RIVER PARK B*** | ***SW 1/2 - 1 (0.873 mi.)*** | ***214*** | ***531*** |

***State and tribal leaking storage tank lists***

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 05/19/2014 has revealed that there are 59 NY LTANKS sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***LOT 220,TAXBLOCK 3236***<br>Spill Number/Closed Date: 0230037 / 12/8/2005 | ***205 WEST FORDHAM ROAD*** | ***ESE 0 - 1/8 (0.035 mi.)*** | ***B6*** | ***17*** |
| ***B P PRODUCTS NORTH AMERICA FAC***<br>Spill Number/Closed Date: 8701258 / 1/1/1991 | ***296 W FORDHAM RD*** | ***SW 0 - 1/8 (0.070 mi.)*** | ***C17*** | ***36*** |
| GASETERIA<br>Spill Number/Closed Date: 8705665 / 12/5/2003<br>Spill Number/Closed Date: 8701260 / 2/9/1998<br>Spill Number/Closed Date: 0230030 / 7/26/2007 | 296 WEST FORDHAM ROAD | SW 0 - 1/8 (0.070 mi.) | C20 | 53 |
| 2269 HAMPDEN PLACE<br>Spill Number/Closed Date: 0300149 / 4/4/2003 | 2269 HAMPDEN PLACE | S 0 - 1/8 (0.073 mi.) | C30 | 74 |
| ECR REALTY<br>Spill Number/Closed Date: 9811009 / 5/6/2005 | 2326 LORING PLACE | ESE 0 - 1/8 (0.122 mi.) | G58 | 114 |
| FORHDHAM HILL<br>Spill Number/Closed Date: 0700673 / 5/18/2007 | 1 FORDHAM HILL OVAL | ENE 1/8 - 1/4 (0.134 mi.) | I70 | 142 |
| 2445 SEDGWICK AVE<br>Spill Number/Closed Date: 9303142 / 2/27/2003 | 2445 SEDGWICK AVE | NE 1/8 - 1/4 (0.162 mi.) | J85 | 175 |
| ***2277 ANDREWS AVENUE***<br>Spill Number/Closed Date: 9705847 / 1/15/2009 | ***2277 ANDREWS AVENUE*** | ***SE 1/8 - 1/4 (0.175 mi.)*** | ***M93*** | ***203*** |
| ***PUBLIC SCHOOL 15***<br>Spill Number/Closed Date: 0013233 / 5/27/2004 | ***2195 ANDREWS AVE*** | ***SSE 1/8 - 1/4 (0.215 mi.)*** | ***S130*** | ***300*** |
| APT BUILDING<br>Spill Number/Closed Date: 0407901 / 11/18/2005 | 153-175 FATHER ZIESER P | ENE 1/8 - 1/4 (0.226 mi.) | T133 | 308 |
| ST.NICHOLAS OF TOLENTINE<br>Spill Number/Closed Date: 9702784 / 8/30/2004 | 2345 UNIVERSITY AVE | ESE 1/8 - 1/4 (0.242 mi.) | V155 | 362 |
| CLOSED-LACKOF RECENT INFO<br>Spill Number/Closed Date: 8706856 / 3/4/2003 | 2345 UNIVERSITY AVE. | ESE 1/8 - 1/4 (0.248 mi.) | V158 | 371 |
| RESIDENCE<br>Spill Number/Closed Date: 9911713 / 4/6/2000 | 2237 UNIVERSITY AVE | SSE 1/4 - 1/2 (0.253 mi.) | W165 | 389 |
| BRONX COMMUNITY COLLEGE<br>Spill Number/Closed Date: 0811391 / 9/1/2009 | WEST 181ST & UNIVERSITY | SSW 1/4 - 1/2 (0.263 mi.) | 167 | 394 |
| ***RESIDENCE***<br>Spill Number/Closed Date: 0500759 / 4/21/2005 | ***2440 WEBB AVE*** | ***ENE 1/4 - 1/2 (0.272 mi.)*** | ***X168*** | ***395*** |
| SPILL NUMBER 0204392<br>Spill Number/Closed Date: 0204392 / 3/26/2004 | 2320 AQUEDUCT AVE | ESE 1/4 - 1/2 (0.285 mi.) | 170 | 398 |
| SHELTERING ARMS<br>Spill Number/Closed Date: 0308539 / 3/14/2007 | 2207 UNIVERSITY AVE | SSE 1/4 - 1/2 (0.293 mi.) | 171 | 399 |
| IN THE BASEMENT<br>Spill Number/Closed Date: 1012136 / 8/19/2011 | 2422 UNIVERSTIY AVE | E 1/4 - 1/2 (0.334 mi.) | 173 | 408 |

# EXECUTIVE SUMMARY

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| CUNY- BRONX COLLEGE<br>Spill Number/Closed Date: 0409356 / 4/17/2007 | WEST 181 STREET/UNIVERS | S 1/4 - 1/2 (0.348 mi.) | Z174 | 411 |
| W 181ST. ST. & UNIVERSITY<br>Spill Number/Closed Date: 8705325 / 9/30/1992 | W. 181ST ST.& UNIVERS.A | S 1/4 - 1/2 (0.351 mi.) | Z175 | 415 |
| MACRACKEN HALL<br>Spill Number/Closed Date: 0813266 / 9/21/2009 | 2155 UNIVERSITY AVE | S 1/4 - 1/2 (0.360 mi.) | Z177 | 429 |
| WEST 181ST STREET.<br>Spill Number/Closed Date: 9209815 / 3/25/1998 | WEST 181ST STREET | SSE 1/4 - 1/2 (0.368 mi.) | Z181 | 436 |
| ***2559 SEDGEWICK AVE***<br>Spill Number/Closed Date: 9800488 / 2/19/2003 | ***2559 SEDGWICK AVE*** | ***NNE 1/4 - 1/2 (0.382 mi.)*** | ***AB182*** | ***437*** |
| VA HOSPITAL<br>Spill Number/Closed Date: 0313384 / 6/4/2004 | UNIVERSITY WEBB AND SEG | NE 1/4 - 1/2 (0.388 mi.) | AB183 | 439 |
| 130 W KINGSBRIDGE RD/BX<br>Spill Number/Closed Date: 9100744 / 11/5/1993 | 130 WEST KINGSBRIDGE RD | NE 1/4 - 1/2 (0.388 mi.) | AB184 | 441 |
| 2455 GRAND AVENUE<br>Spill Number/Closed Date: 8607577 / 9/2/1988 | 2455 GRAND AVENUE | E 1/4 - 1/2 (0.391 mi.) | 185 | 442 |
| ***APARTMENT BUILDING***<br>Spill Number/Closed Date: 0312115 / 2/2/2004 | ***2487 GRAND AVE*** | ***ENE 1/4 - 1/2 (0.430 mi.)*** | ***190*** | ***449*** |
| ***GETTY PETROLEUM CORP***<br>Spill Number/Closed Date: 9604011 / 11/20/2003<br>Spill Number/Closed Date: 9702759 / 2/8/2012 | ***2375 JEROME AVE*** | ***ESE 1/4 - 1/2 (0.435 mi.)*** | ***AE193*** | ***453*** |
| ***NORTH STREET***<br>Spill Number/Closed Date: 8710420 / 2/10/2003 | ***2318 JEROME AVENUE*** | ***ESE 1/4 - 1/2 (0.437 mi.)*** | ***194*** | ***465*** |
| 2376 JEROME AVENUE<br>Spill Number/Closed Date: 9315191 / 3/25/1994 | 2376 JEROME AVENUE | ESE 1/4 - 1/2 (0.438 mi.) | AE195 | 476 |
| 5 BUCHANAN PL<br>Spill Number/Closed Date: 9701122 / 4/25/1997 | 5 BUCHANAN PL | SE 1/4 - 1/2 (0.449 mi.) | AG199 | 485 |
| 2593 SEDGWICK AVENUE<br>Spill Number/Closed Date: 9501893 / 5/15/1995 | 2593 SEDGWICK AVENUE | NNE 1/4 - 1/2 (0.452 mi.) | 201 | 490 |
| IN THE BASEMENT<br>Spill Number/Closed Date: 1012134 / 8/19/2011 | 2473 DAVIDSON AVE | E 1/4 - 1/2 (0.455 mi.) | 202 | 491 |
| APARTMENT BLDG<br>Spill Number/Closed Date: 0504353 / 8/31/2006 | 2201 JEROME AVE/1 W.182 | SE 1/4 - 1/2 (0.461 mi.) | AG203 | 494 |
| ***RESIDENTS***<br>Spill Number/Closed Date: 0209884 / 7/12/2004<br>Spill Number/Closed Date: 0210857 / 11/13/2007 | ***1 WEST 182ND ST*** | ***SE 1/4 - 1/2 (0.475 mi.)*** | ***AG207*** | ***507*** |
| 2315 WALTON AVE.<br>Spill Number/Closed Date: 9208475 / 10/23/1992 | 2315 WALTON AVE. | ESE 1/4 - 1/2 (0.487 mi.) | 209 | 514 |
| 2521<br>Spill Number/Closed Date: 0206278 / 12/27/2002 | GRAND AVE | ENE 1/4 - 1/2 (0.490 mi.) | 210 | 515 |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***HARLEM RIVER FACILITY***<br>Spill Number/Closed Date: 0104067 / 12/18/2007 | ***300 206TH STREET*** | ***W 1/4 - 1/2 (0.259 mi.)*** | ***Y166*** | ***391*** |
| 333 EAST 206TH ST./ST. BR<br>Spill Number/Closed Date: 8705619 / 7/26/1993 | 333 EAST 206TH ST. | W 1/4 - 1/2 (0.279 mi.) | Y169 | 397 |

# EXECUTIVE SUMMARY

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***MERIT SERVICE STATION*** | ***401 WEST 207TH STREET*** | ***WNW 1/4 - 1/2 (0.305 mi.)*** | ***172*** | ***401*** |
| Spill Number/Closed Date: 9706124 / 6/30/2004 | | | | |
| ***NYCDOS 12TH GARAGE FLOOR*** | ***301 WEST 215TH STREET*** | ***N 1/4 - 1/2 (0.359 mi.)*** | ***AA176*** | ***416*** |
| Spill Number/Closed Date: 9604675 / 1/6/2005 | | | | |
| Spill Number/Closed Date: 9807598 / 10/26/1998 | | | | |
| ***NYC DOS*** | ***301 WEST 215TH ST.*** | ***N 1/4 - 1/2 (0.364 mi.)*** | ***AA178*** | ***430*** |
| Spill Number/Closed Date: 0802569 / 8/21/2008 | | | | |
| NYC DEPT OF SANITATION | 301 WEST 215TH ST | N 1/4 - 1/2 (0.364 mi.) | AA179 | 433 |
| Spill Number/Closed Date: 1214373 / 5/16/2013 | | | | |
| NYC DEPT OF SANTIATION | 301 WEST 214TH ST | N 1/4 - 1/2 (0.367 mi.) | AA180 | 434 |
| Spill Number/Closed Date: 0012251 / 12/2/2003 | | | | |
| NYC TRANSIT AUTHORITY | 207TH ST YARD | NW 1/4 - 1/2 (0.418 mi.) | AC186 | 443 |
| Spill Number/Closed Date: 0204997 / 3/30/2004 | | | | |
| 3761 TENTH AVE | 3761 TENTH AVENUE | NW 1/4 - 1/2 (0.426 mi.) | AC187 | 444 |
| Spill Number/Closed Date: 9301145 / 11/20/2003 | | | | |
| 3961 TENTH AVE/SHELL SERV | 3961 TENTH AVE | NW 1/4 - 1/2 (0.426 mi.) | AC188 | 446 |
| Spill Number/Closed Date: 8708221 / 6/27/1995 | | | | |
| 207 TH STREET YARD-NYCT | 3961 TENTH AVE | NW 1/4 - 1/2 (0.427 mi.) | AC189 | 447 |
| Spill Number/Closed Date: 0106375 / Not Reported | | | | |
| 3852-6 10TH AVE/RAMIERO | 3852-3856 TENTH AVE | W 1/4 - 1/2 (0.430 mi.) | AD191 | 451 |
| Spill Number/Closed Date: 9110175 / 12/31/1991 | | | | |
| 38-52, 38-56 10TH AVE | 38-52, 38-56 10TH AVE | WNW 1/4 - 1/2 (0.434 mi.) | AD192 | 452 |
| Spill Number/Closed Date: 9311497 / 12/24/1993 | | | | |
| NYC DEPT OF SANITATION | 423 WEST 215TH ST | NNW 1/4 - 1/2 (0.440 mi.) | 196 | 477 |
| Spill Number/Closed Date: 1310377 / Not Reported | | | | |
| ***AUDUBON PARTNERSHIP*** | ***513 WEST 207TH STREET*** | ***WNW 1/4 - 1/2 (0.445 mi.)*** | ***AF197*** | ***478*** |
| Spill Number/Closed Date: 0507807 / 3/15/2006 | | | | |
| COMMERCIAL BLDG | 513 W. 207TH ST. | WNW 1/4 - 1/2 (0.445 mi.) | AF198 | 483 |
| Spill Number/Closed Date: 0509515 / 8/16/2006 | | | | |
| MANHATTAN DISTR. 8 (OLD BX W. | 4036 9TH AVE | NNW 1/4 - 1/2 (0.449 mi.) | 200 | 487 |
| Spill Number/Closed Date: 9705837 / Not Reported | | | | |
| 2590 BAILEY AVE/BX/GETTY0 | 2590 BAILEY AVENUE | NNE 1/4 - 1/2 (0.462 mi.) | 204 | 496 |
| Spill Number/Closed Date: 9101247 / 7/16/1992 | | | | |
| ***DYCKMAN HOUSES -NYCHA*** | ***3796 10TH AVENUE*** | ***W 1/4 - 1/2 (0.469 mi.)*** | ***AH205*** | ***497*** |
| Spill Number/Closed Date: 9300549 / 3/24/2004 | | | | |
| Spill Number/Closed Date: 9004308 / 4/25/1995 | | | | |
| Spill Number/Closed Date: 9200115 / 4/25/1995 | | | | |
| ***266-272 NAGLE AVENUE*** | ***266-272 NAGLE AVENUE*** | ***W 1/4 - 1/2 (0.474 mi.)*** | ***AH206*** | ***502*** |
| Spill Number/Closed Date: 1012487 / 1/24/2012 | | | | |
| DYCKMAN HOUSES | 3790 10TH AVENUE | W 1/4 - 1/2 (0.483 mi.) | AH208 | 513 |
| Spill Number/Closed Date: 9013033 / 11/17/1994 | | | | |
| 518 WEST 204TH ST | 518 WEST 204TH | W 1/4 - 1/2 (0.490 mi.) | AH211 | 516 |
| Spill Number/Closed Date: 0801121 / 8/6/2012 | | | | |

# EXECUTIVE SUMMARY

***State and tribal registered storage tank lists***

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, and dated 07/01/2014 has revealed that there are 8 NY UST sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| MOBIL S/S 17-KLV BOYSIE SERVIC | 296 W FORDHAM RD (MAJ. | SW 0 - 1/8 (0.070 mi.) | C19 | 46 |
| FORDHAM PETROLEUM, LLC | 296 WEST FORDHAM ROAD | SW 0 - 1/8 (0.070 mi.) | C21 | 58 |
| FORDHAM HILL OWNERS COOPERATIV | 1 FORDHAM HILL OVAL | ENE 1/8 - 1/4 (0.134 mi.) | I69 | 140 |
| FORDHAM HILL COOPERATIVE | 2425 SEDGEWICK AVE. | NE 1/8 - 1/4 (0.145 mi.) | J75 | 151 |
| ***WEBB AVENUE COMPANY LLC*** | ***2400 WEBB AVENUE*** | ***ENE 1/8 - 1/4 (0.164 mi.)*** | ***I87*** | ***179*** |
| ROBERT PATTERSON USARC | 2181 LORING PLACE N | S 1/8 - 1/4 (0.200 mi.) | L125 | 291 |
| ***ST NICHOLAS OF TOLENTINE CHURC*** | ***2345 UNIVERSITY AVENUE*** | ***ESE 1/8 - 1/4 (0.242 mi.)*** | ***V156*** | ***363*** |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| BRONX READY MIX CONCRETE CORP. | 265 WEST FORDHAM ROAD | N 1/8 - 1/4 (0.169 mi.) | N90 | 192 |

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, and dated 07/01/2014 has revealed that there are 69 NY AST sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| 208 FORDHAM ASSC | 208 WEST FORDHAM ROAD | E 0 - 1/8 (0.054 mi.) | B10 | 24 |
| ***2285 SEDGWICK REALTY CORP*** | ***2285 SEDGWICK AVENUE*** | ***ESE 0 - 1/8 (0.069 mi.)*** | ***B16*** | ***33*** |
| 2297 SEDGEWICK REALTY LLC | 2297 SEDGEWICK AVE | E 0 - 1/8 (0.070 mi.) | D22 | 64 |
| 2269 HAMPDEN PLACE | 2269 HAMPDEN PLACE | S 0 - 1/8 (0.073 mi.) | C31 | 75 |
| 2265 SEDGWICK AVENUE | 2265 SEDGWICK AVENUE | SE 0 - 1/8 (0.073 mi.) | B33 | 78 |
| 2304 SEDGWICK AVE | 2304 SEDGWICK AVENUE | E 0 - 1/8 (0.074 mi.) | D34 | 80 |
| ROSEWALL GARDENS ASSOC. | 2300 SEDGEWICK AVENUE | E 0 - 1/8 (0.075 mi.) | D38 | 85 |
| 2254 CEDAR AVE | 2254 CEDAR AVENUE | SW 0 - 1/8 (0.097 mi.) | E52 | 104 |
| SHIP GOL LTD | 2287 LORING PLACE | SE 0 - 1/8 (0.111 mi.) | G55 | 108 |
| 2333 LORING PLACE | 2333 LORING PLACE | ESE 0 - 1/8 (0.122 mi.) | G57 | 112 |
| ***2326 LORING PL*** | ***2326 LORING PL N*** | ***ESE 0 - 1/8 (0.123 mi.)*** | ***G62*** | ***120*** |
| ***1678 KARYAS REALTY*** | ***2316 LORING PL N*** | ***SE 0 - 1/8 (0.124 mi.)*** | ***G63*** | ***124*** |
| ***2312 LORING PLACE*** | ***2312 LORING PLACE N*** | ***SE 0 - 1/8 (0.124 mi.)*** | ***G64*** | ***127*** |
| 1678 KARYAS REALTY | 2312 LORING PLACE NORTH | SE 0 - 1/8 (0.124 mi.) | G65 | 131 |
| ***2322 LORING PL*** | ***2322 LORING PLACE*** | ***SE 0 - 1/8 (0.124 mi.)*** | ***G66*** | ***133*** |
| 2300 INCORPORATED | 2300 LORING PLACE | SE 1/8 - 1/4 (0.126 mi.) | G67 | 136 |
| LORING EQUITIES, INC. | 2280 LORING PLACE NORTH | SE 1/8 - 1/4 (0.134 mi.) | G71 | 144 |
| ***SHAPIRO REAL ESTATE*** | ***2318 LORING PLACE N*** | ***SE 1/8 - 1/4 (0.137 mi.)*** | ***G72*** | ***146*** |
| ***135 REALTY ASSOCIATES*** | ***135 WEST 183RD STREET*** | ***SSE 1/8 - 1/4 (0.151 mi.)*** | ***L77*** | ***154*** |
| ***111 WEST 183RD STREET*** | ***111 WEST 183RD STREET*** | ***SSE 1/8 - 1/4 (0.155 mi.)*** | ***L80*** | ***159*** |
| SEDWICK & NORTH HALLS HOUSING | 123-127 WEST 183RD ST | SSE 1/8 - 1/4 (0.157 mi.) | L82 | 163 |
| ***130 WEST 183RD STREET*** | ***130 WEST 183RD STREET*** | ***SSE 1/8 - 1/4 (0.159 mi.)*** | ***L83*** | ***165*** |
| ***ESTATE OF LOUIS SACHS*** | ***120 WEST 183RD ST*** | ***SSE 1/8 - 1/4 (0.160 mi.)*** | ***L84*** | ***171*** |
| ***KILGARVAN REALTY CORP*** | ***2285 ANDREWS AVE N*** | ***SE 1/8 - 1/4 (0.162 mi.)*** | ***M86*** | ***176*** |
| ***2226 LORING PLACE*** | ***2226 LORING PLACE N*** | ***SSE 1/8 - 1/4 (0.173 mi.)*** | ***L91*** | ***194*** |
| 2315 ANDREWS AVE, NORTH | 2315 ANDREWS AVE | ESE 1/8 - 1/4 (0.174 mi.) | O92 | 201 |

# EXECUTIVE SUMMARY

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| 2277 ANDREWS AVENUE | 2277 ANDREWS AVENUE | SE 1/8 - 1/4 (0.175 mi.) | M94 | 205 |
| F.BHC | 2295 ANDREWS AVENUE N | SE 1/8 - 1/4 (0.175 mi.) | M95 | 208 |
| 2327 ANDREWS AVE LLC | 2327 ANDREWS AVENUE | ESE 1/8 - 1/4 (0.177 mi.) | M96 | 210 |
| ***RESIDENTS*** | ***2290 ANDREWS AVE N*** | ***SE 1/8 - 1/4 (0.178 mi.)*** | ***M98*** | ***212*** |
| ***2296 ANDREWS AVE*** | ***2296 ANDREWS AVE N*** | ***SE 1/8 - 1/4 (0.178 mi.)*** | ***M99*** | ***216*** |
| 2321 ANDREWS TOWERS LLC | 2321 ANDREWS AVE | ESE 1/8 - 1/4 (0.178 mi.) | M100 | 219 |
| ***APARTMENT HOUSE*** | ***2333 ANDREWS AVE N*** | ***ESE 1/8 - 1/4 (0.179 mi.)*** | ***O101*** | ***221*** |
| ***2333 ANDREWS AVENUE*** | ***2333 ANDREWS AVENUE N*** | ***ESE 1/8 - 1/4 (0.179 mi.)*** | ***O102*** | ***225*** |
| CONAGUL EQUITIES LLC | 2316 ANDREWS AVENUE | ESE 1/8 - 1/4 (0.180 mi.) | M103 | 228 |
| ***DIROT REALTY CORPORATION*** | ***103 WEST 183RD STREET*** | ***SSE 1/8 - 1/4 (0.180 mi.)*** | ***P105*** | ***230*** |
| 2272 ANDREWS AVE | 2272 ANDREWS AVENUE | SE 1/8 - 1/4 (0.181 mi.) | M106 | 234 |
| ***114 W 183 ST BRONX*** | ***114 W 183 ST*** | ***SSE 1/8 - 1/4 (0.181 mi.)*** | ***L107*** | ***236*** |
| ***MARIO & LUCIA MILEVOI*** | ***2280 ANDREWS AVE N*** | ***SE 1/8 - 1/4 (0.182 mi.)*** | ***M109*** | ***240*** |
| ***2337 ANDREWS AVENUE*** | ***2337 ANDREWS AVENUE*** | ***ESE 1/8 - 1/4 (0.183 mi.)*** | ***O110*** | ***244*** |
| ***DIROT REALTY CORPORATION*** | ***102 WEST 183RD*** | ***SSE 1/8 - 1/4 (0.185 mi.)*** | ***P111*** | ***247*** |
| ***DIROT REALTY CORPORATION*** | ***2261 ANDREWS*** | ***SE 1/8 - 1/4 (0.185 mi.)*** | ***P112*** | ***250*** |
| BX 2341 LLC | 2341 ANDREWS AVENUE | ESE 1/8 - 1/4 (0.186 mi.) | O114 | 256 |
| 2266 ANDREWS AVENUE | 2266 ANDREWS AVENUE | SE 1/8 - 1/4 (0.186 mi.) | M115 | 258 |
| ALPHA DYNAMICS LTD | 98 WEST 183RD STREET | SE 1/8 - 1/4 (0.192 mi.) | P119 | 262 |
| ***CEDAR TWO COMPANY, LLC*** | ***2175 CEDAR AVENUE*** | ***SW 1/8 - 1/4 (0.199 mi.)*** | ***123*** | ***285*** |
| 95 W 183 ST | 95 WEST 183RD STREET | SE 1/8 - 1/4 (0.205 mi.) | P127 | 294 |
| ***2291 UNIVERSITY AVE/1700 DEV*** | ***2291 UNIVERSITY AVE*** | ***ESE 1/8 - 1/4 (0.211 mi.)*** | ***R128*** | ***296*** |
| ***PUBLIC SCHOOL 15*** | ***2195 ANDREWS AVE*** | ***SSE 1/8 - 1/4 (0.215 mi.)*** | ***S130*** | ***300*** |
| 2305 UNIVERSITY AVENUE AKA MAR | 2305 UNIVERSITY AVENUE | ESE 1/8 - 1/4 (0.221 mi.) | R132 | 306 |
| ***155 REALTY CO*** | ***153 FATHER ZEISER PL*** | ***ENE 1/8 - 1/4 (0.226 mi.)*** | ***T134*** | ***309*** |
| ***SHELBE ASSOCIATES LLC*** | ***2290 UNIVERSITY AVE*** | ***SE 1/8 - 1/4 (0.228 mi.)*** | ***R135*** | ***312*** |
| ***2287 ASSOCIATES, INC.*** | ***2287 UNIVERSITY AVENUE*** | ***SE 1/8 - 1/4 (0.228 mi.)*** | ***R136*** | ***316*** |
| 2281 85 REALTY, LLC | 2281-85 UNIVERSITY AVE | SE 1/8 - 1/4 (0.229 mi.) | R138 | 320 |
| 2315 UNIVERSITY AVE | 2315 UNIVERSITY AVE | ESE 1/8 - 1/4 (0.232 mi.) | R140 | 324 |
| ***2308 UNIVERSITY AVENUE*** | ***2308 UNIVERSITY AVENUE*** | ***ESE 1/8 - 1/4 (0.232 mi.)*** | ***R143*** | ***331*** |
| 86 WEST 183RD ST | 86 WEST 183RD ST | SE 1/8 - 1/4 (0.232 mi.) | U144 | 334 |
| 2270 UNIVERSITY AVE | 2270 UNIVERSITY AVE | SE 1/8 - 1/4 (0.233 mi.) | U145 | 336 |
| 2325 UNIVERSITY AVE | 2325 UNIVERSITY AVE | ESE 1/8 - 1/4 (0.235 mi.) | R147 | 342 |
| ***2260 UNIVERSITY AVE*** | ***2260 UNIVERSITY AVE*** | ***SE 1/8 - 1/4 (0.235 mi.)*** | ***U148*** | ***345*** |
| 2324 UNIVERSITY AVE | 2324 UNIVERSITY AVENUE | ESE 1/8 - 1/4 (0.237 mi.) | R150 | 350 |
| 2328 UNIAVE CORP. | 2328 UNIVERSITY AVENUE | ESE 1/8 - 1/4 (0.238 mi.) | R151 | 352 |
| ***2316 UNIVERSITY AVENUE*** | ***2316 UNIVERSITY AVENUE*** | ***ESE 1/8 - 1/4 (0.238 mi.)*** | ***R152*** | ***354*** |
| ***2265 UNIVERSITY AVE OWNERS,INC*** | ***2265 UNIVERSITY AVE*** | ***SE 1/8 - 1/4 (0.241 mi.)*** | ***U154*** | ***358*** |
| ***2435 DEVOE TERRACE*** | ***2435 DEVOE TERRACE*** | ***ENE 1/8 - 1/4 (0.246 mi.)*** | ***T157*** | ***367*** |
| 2294 UNIVERSITY AVENUE | 2294 UNIVERSITY AVENUE | ESE 1/8 - 1/4 (0.248 mi.) | R160 | 374 |
| 2300 UNIVERSITY AVENUE | 2300 UNIVERSITY AVENUE | ESE 1/8 - 1/4 (0.248 mi.) | R161 | 377 |
| 2240 LLC | 2240 UNIVERSITY AVE | SE 1/8 - 1/4 (0.248 mi.) | W162 | 379 |
| ***MULTIPLE DWELLING*** | ***2432-34 WEBB AVE*** | ***ENE 1/8 - 1/4 (0.250 mi.)*** | ***X164*** | ***383*** |

NY CBS AST: Chemical Bulk Storage Database. Registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. Includes facilities registered (and closed) since effective date of CBS regulations (July 15, 1988) through the date request is processed.

A review of the NY CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 NY CBS AST site within approximately 0.25 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***BRONX READY MIX WEST*** | ***265 W. FORDHAM RD.*** | ***N 1/8 - 1/4 (0.169 mi.)*** | ***N89*** | ***187*** |

NY CBS: These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

A review of the NY CBS list, as provided by EDR, and dated 07/01/2014 has revealed that there is 1 NY CBS site within approximately 0.25 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***BRONX READY MIX WEST*** | ***265 W. FORDHAM RD.*** | ***N 1/8 - 1/4 (0.169 mi.)*** | ***N89*** | ***187*** |

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Lists of Registered Storage Tanks***

NY HIST UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 8 NY HIST UST sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***2322 LORING PL*** | ***2322 LORING PLACE*** | ***SE 0 - 1/8 (0.124 mi.)*** | ***G66*** | ***133*** |
| 2280 LORING PL | 2280 LORING PL N | SE 1/8 - 1/4 (0.133 mi.) | G68 | 138 |
| ***WEBB AVENUE COMPANY LLC*** | ***2400 WEBB AVENUE*** | ***ENE 1/8 - 1/4 (0.164 mi.)*** | ***I87*** | ***179*** |
| 2400 WEBB AVENUE | 2400 WEBB AVENUE | ENE 1/8 - 1/4 (0.164 mi.) | I88 | 186 |
| ***2277 ANDREWS AVENUE*** | ***2277 ANDREWS AVENUE*** | ***SE 1/8 - 1/4 (0.175 mi.)*** | ***M93*** | ***203*** |
| ***PATTERSON USARC*** | ***2181 LORING PL N*** | ***S 1/8 - 1/4 (0.200 mi.)*** | ***L124*** | ***288*** |
| ***SHELBE ASSOCIATES LLC*** | ***2290 UNIVERSITY AVE*** | ***SE 1/8 - 1/4 (0.228 mi.)*** | ***R135*** | ***312*** |
| ***ST NICHOLAS OF TOLENTINE CHURC*** | ***2345 UNIVERSITY AVENUE*** | ***ESE 1/8 - 1/4 (0.242 mi.)*** | ***V156*** | ***363*** |

***Records of Emergency Release Reports***

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 05/19/2014 has revealed that there are 23 NY Spills sites within approximately 0.125 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| CON ED VEHICLE | LANDING RD & FORDHAM RD | ESE 0 - 1/8 (0.033 mi.) | B4 | 14 |
| Spill Number/Closed Date: 0502114 / 5/25/2005 | | | | |
| BRONX CABLE HOUSE | LANDING ROAD/FORDAM RD | ESE 0 - 1/8 (0.033 mi.) | B5 | 15 |
| Spill Number/Closed Date: 0412868 / 8/9/2005 | | | | |

# EXECUTIVE SUMMARY

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| VAULT #900<br>Spill Number/Closed Date: 0413128 / 6/22/2005 | FORDHAM RD/CEDAR RD | SW 0 - 1/8 (0.066 mi.) | C15 | 31 |
| SPILL NUMBER 0204153<br>Spill Number/Closed Date: 0204153 / 8/5/2002 | SEDGWICK AV & FORDHAM R | E 0 - 1/8 (0.072 mi.) | D23 | 66 |
| MANHOLE # 29002<br>Spill Number/Closed Date: 0305541 / 7/21/2005 | W FORDHAM RD/SEDGWICK A | E 0 - 1/8 (0.072 mi.) | D24 | 67 |
| FORDHAM RD / SEDGEWICK AV<br>Spill Number/Closed Date: 9313155 / 2/7/1994 | FORDHAM RD / SEDGEWICK | E 0 - 1/8 (0.072 mi.) | D25 | 68 |
| SPILL NUMBER 0308926<br>Spill Number/Closed Date: 0308926 / 11/25/2003 | FORDHAM RD & SEDGWICK A | E 0 - 1/8 (0.072 mi.) | D26 | 70 |
| MANHOLE 29002<br>Spill Number/Closed Date: 0301808 / 8/18/2009 | FORDHAM RD & SEDGWICK | E 0 - 1/8 (0.073 mi.) | D32 | 77 |
| APARTMENT BUILDING 8<br>Spill Number/Closed Date: 0012998 / 10/31/2003 | FORDHAM/SEDGWICK | ENE 0 - 1/8 (0.086 mi.) | D46 | 96 |
| MANHOLE 29002<br>Spill Number/Closed Date: 9814036 / 10/21/2002 | W FORDAM RD/ FREDWICK A | ENE 0 - 1/8 (0.086 mi.) | D47 | 97 |
| MANHOLE # 12719<br>Spill Number/Closed Date: 0410287 / 10/23/2006 | SCHEDWICK AVE/FORDAM RO | ENE 0 - 1/8 (0.086 mi.) | D48 | 98 |
| MH 26481<br>Spill Number/Closed Date: 0504375 / 9/19/2005 | BAILEY AVE AND FORDHAM | ENE 0 - 1/8 (0.086 mi.) | D49 | 100 |
| APT BLDG<br>Spill Number/Closed Date: 1216029 / 4/25/2013 | 2254 CEDAR AVE | SW 0 - 1/8 (0.097 mi.) | E53 | 106 |
| HUNDLEY RESD<br>Spill Number/Closed Date: 1006759 / 9/23/2010 | 2240 CEDAR AVE | SW 0 - 1/8 (0.114 mi.) | 56 | 110 |
| 2316 LORING PLACE<br>Spill Number/Closed Date: 9505143 / 7/27/1995<br>Spill Number/Closed Date: 9508364 / 1/28/1997 | 2316 LORING PLACE | SE 0 - 1/8 (0.122 mi.) | G59 | 115 |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| MAJOR DEACON EXPRESSWAY<br>Spill Number/Closed Date: 0407793 / 10/18/2004 | WEST FORDHAM ROAD | WSW 0 - 1/8 (0.075 mi.) | E39 | 88 |
| WEST FORDHAM ROAD<br>Spill Number/Closed Date: 9707112 / 9/16/1997 | WEST FORDHAM ROAD @DEGW | WSW 0 - 1/8 (0.075 mi.) | E40 | 89 |
| MAJOR DEEGAN EXPRESS<br>Spill Number/Closed Date: 9909964 / 3/4/2003 | AND FORDOM RD | WSW 0 - 1/8 (0.075 mi.) | E41 | 90 |
| FORDHAM ROAD/MAJOR DEEGAN<br>Spill Number/Closed Date: 8703950 / 8/14/1987 | FORDHAM ROAD/MAJOR DEEG | WSW 0 - 1/8 (0.075 mi.) | E42 | 91 |
| EXTERIOR ST - LANDING RD<br>Spill Number/Closed Date: 9508967 / 12/30/2005 | EXTERIOR ST - LANDING R | WNW 0 - 1/8 (0.081 mi.) | F44 | 93 |
| ROADWAY<br>Spill Number/Closed Date: 0813940 / 3/27/2009 | MAJOR DEEGAN S/B @ FORD | WSW 0 - 1/8 (0.088 mi.) | E50 | 102 |
| CROTON AQUADUCT<br>Spill Number/Closed Date: 9611109 / 12/9/1996 | CROTON AQUADUCT | WNW 0 - 1/8 (0.095 mi.) | F51 | 103 |
| MAJOR DEEGAN & FORDHAM RD<br>Spill Number/Closed Date: 8909821 / 12/8/1992 | MAJOR DEEGAN & FORDHAM | WSW 0 - 1/8 (0.104 mi.) | E54 | 107 |

***Other Ascertainable Records***

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/10/2014 has revealed that there are 10 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| DIST TECH | 265 W FORDHAM RD | SSW 0 - 1/8 (0.058 mi.) | C11 | 26 |
| ***DALE OLDSMOBILE*** | ***281 FORDHAM RD*** | ***SW 0 - 1/8 (0.062 mi.)*** | ***C12*** | ***27*** |
| FORDHAM LANDING LLC | 320 W FORDHAM RD | SW 0 - 1/8 (0.073 mi.) | C29 | 72 |
| ***CON EDISON MANHOLE 21259*** | ***SEDGWICK AVE & FORDHAM*** | ***E 0 - 1/8 (0.074 mi.)*** | ***D36*** | ***83*** |
| ***CON EDISON MANHOLE 21258*** | ***W 183RD ST & SEDGWICK A*** | ***S 0 - 1/8 (0.123 mi.)*** | ***H60*** | ***117*** |
| ***ST NICHOLAS OF TOLENTINE SCHOO*** | ***2336 ANDREWS AVE*** | ***ESE 1/8 - 1/4 (0.185 mi.)*** | ***O113*** | ***254*** |
| ***PATTERSON USARC*** | ***2181 LORING PL N*** | ***S 1/8 - 1/4 (0.200 mi.)*** | ***L124*** | ***288*** |
| CON EDISON MANHOLE 31136 | SEDGWICK AVE & BAILEY A | NE 1/8 - 1/4 (0.201 mi.) | 126 | 293 |
| ***CON EDISON - MH 11891*** | ***2265 UNIVERSITY AVE*** | ***SE 1/8 - 1/4 (0.232 mi.)*** | ***U139*** | ***322*** |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| CON EDISON SERVICE BOX: 39682 | 189 9TH AVE | WSW 0 - 1/8 (0.082 mi.) | E45 | 95 |

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 08/01/2014 has revealed that there are 27 NY MANIFEST sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| CONSOLIDATED EDISON | FORDHAM RD & LANDING | ESE 0 - 1/8 (0.036 mi.) | B7 | 22 |
| CONSOLIDATED EDISON | CEDAR AVE & FORDHAM RD | SW 0 - 1/8 (0.065 mi.) | C14 | 29 |
| ***B P PRODUCTS NORTH AMERICA FAC*** | ***296 W FORDHAM RD*** | ***SW 0 - 1/8 (0.070 mi.)*** | ***C17*** | ***36*** |
| FORDHAM LANDING LLC | 320 W FORDHAM RD | SW 0 - 1/8 (0.073 mi.) | C27 | 71 |
| CON EDISON | 2262 HAMPDEN PLACE | S 0 - 1/8 (0.078 mi.) | C43 | 92 |
| CONSOLIDATED EDISON | W 183 ST & SEDGEWICK AV | S 0 - 1/8 (0.123 mi.) | H61 | 119 |
| CON EDISON | OPP. 2420 SEDGWICK AVE | NE 1/8 - 1/4 (0.145 mi.) | J74 | 150 |
| CON EDISON | W FORDHAM RD & LORING P | E 1/8 - 1/4 (0.145 mi.) | K76 | 153 |
| NYNEX | LORING PL & 183RD ST | SSE 1/8 - 1/4 (0.154 mi.) | L78 | 157 |
| NYNEX | LORING PLACE AND 183RD | SSE 1/8 - 1/4 (0.154 mi.) | L79 | 158 |
| CON EDISON | 127 W 183 ST | SSE 1/8 - 1/4 (0.156 mi.) | L81 | 162 |
| CON EDISON | 2290 ANDREWS AV | SE 1/8 - 1/4 (0.177 mi.) | M97 | 212 |
| CON EDISON | OPP 134 W FORDHAM RD | E 1/8 - 1/4 (0.182 mi.) | K108 | 239 |
| ***ST NICHOLAS OF TOLENTINE SCHOO*** | ***2336 ANDREWS AVE*** | ***ESE 1/8 - 1/4 (0.185 mi.)*** | ***O113*** | ***254*** |
| CON EDISON | 137 W FORDAM RD | E 1/8 - 1/4 (0.189 mi.) | K116 | 260 |
| CON EDISON | 128 W FORDAM RD | E 1/8 - 1/4 (0.196 mi.) | Q120 | 264 |
| ***FORDHAM CLEANERS*** | ***130 W FORDHAM RD*** | ***E 1/8 - 1/4 (0.196 mi.)*** | ***Q122*** | ***266*** |
| CON EDISON | 2195 ANDREWS AVE | SSE 1/8 - 1/4 (0.215 mi.) | S129 | 299 |
| CON EDISON | W FORDHAM RD & ANDREWS | E 1/8 - 1/4 (0.219 mi.) | Q131 | 305 |
| CON EDISON | 2295 UNIVERSITY AVE | ESE 1/8 - 1/4 (0.228 mi.) | R137 | 319 |
| ***CON EDISON - MH 11891*** | ***2265 UNIVERSITY AVE*** | ***SE 1/8 - 1/4 (0.232 mi.)*** | ***U139*** | ***322*** |
| ***2315 UNIVERSITY AVE*** | ***2315 UNIVERSITY AVE*** | ***ESE 1/8 - 1/4 (0.232 mi.)*** | ***R141*** | ***326*** |

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| PATTERSON USARC | 2118 LORING PLACE | S 1/8 - 1/4 (0.235 mi.) | 146 | 338 |
| ***CON EDISON*** | ***2322 UNIVERSITY AVE*** | ***ESE 1/8 - 1/4 (0.236 mi.)*** | ***R149*** | ***348*** |
| CON EDISON | 2230 UNIVERSITY AVE | SE 1/8 - 1/4 (0.239 mi.) | U153 | 357 |
| ***CON EDISON*** | ***2294 UNIVERSITY AV*** | ***ESE 1/8 - 1/4 (0.248 mi.)*** | ***R159*** | ***372*** |
| ***2240 UNIVERSITY AVENUE*** | ***2240 UNIVERSITY AVE*** | ***SE 1/8 - 1/4 (0.248 mi.)*** | ***W163*** | ***381*** |

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 08/01/2014 has revealed that there are 3 NJ MANIFEST sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***B P PRODUCTS NORTH AMERICA FAC*** | ***296 W FORDHAM RD*** | ***SW 0 - 1/8 (0.070 mi.)*** | ***C17*** | ***36*** |
| ***CON EDISON MANHOLE 21259*** | ***SEDGWICK AVE & FORDHAM*** | ***E 0 - 1/8 (0.074 mi.)*** | ***D36*** | ***83*** |
| ***CON EDISON MANHOLE 21258*** | ***W 183RD ST & SEDGWICK A*** | ***S 0 - 1/8 (0.123 mi.)*** | ***H60*** | ***117*** |

NY DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the NY DRYCLEANERS list, as provided by EDR, and dated 07/17/2014 has revealed that there is 1 NY DRYCLEANERS site within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| FORDHAM CLEANERS INC. | 130 W FORDHAM ROAD | E 1/8 - 1/4 (0.192 mi.) | K117 | 261 |

NY E DESIGNATION: Lots designation with an ?E? on the Zoning Maps of the City of New York for potential hazardous material contamination, air and/or noise quality impacts.

A review of the NY E DESIGNATION list, as provided by EDR, and dated 06/18/2014 has revealed that there are 2 NY E DESIGNATION sites within approximately 0.125 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| LOT 1,TAXBLOCK 3236 | 211 LANDING ROAD | SE 0 - 1/8 (0.010 mi.) | A3 | 11 |
| ***LOT 220,TAXBLOCK 3236*** | ***205 WEST FORDHAM ROAD*** | ***ESE 0 - 1/8 (0.035 mi.)*** | ***B6*** | ***17*** |

**EDR HIGH RISK HISTORICAL RECORDS**

***EDR Exclusive Records***

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the

environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there are 2 EDR MGP sites within approximately 1 mile of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| CON EDISON - KINGSBRIDGE STATI | BLOCK 3236, LOT 25 AND | NE 0 - 1/8 (0.008 mi.) | A2 | 11 |
| CON EDISON - BROADWAY/DYCKMAN | 12 DONGAN PLACE | W 1/2 - 1 (0.963 mi.) | 215 | 535 |

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 6 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| Not reported | 248 W FORDHAM RD | SSE 0 - 1/8 (0.037 mi.) | B8 | 23 |
| Not reported | 254 W FORDHAM RD | SSE 0 - 1/8 (0.042 mi.) | B9 | 23 |
| Not reported | 296 W FORDHAM RD | SW 0 - 1/8 (0.070 mi.) | C18 | 46 |
| Not reported | 320 W FORDHAM RD | SW 0 - 1/8 (0.073 mi.) | C28 | 72 |
| Not reported | 5 FORDHAM HILL OVAL | ENE 1/8 - 1/4 (0.144 mi.) | I73 | 149 |
| Not reported | 2308 UNIVERSITY AVE | ESE 1/8 - 1/4 (0.232 mi.) | R142 | 330 |

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 5 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

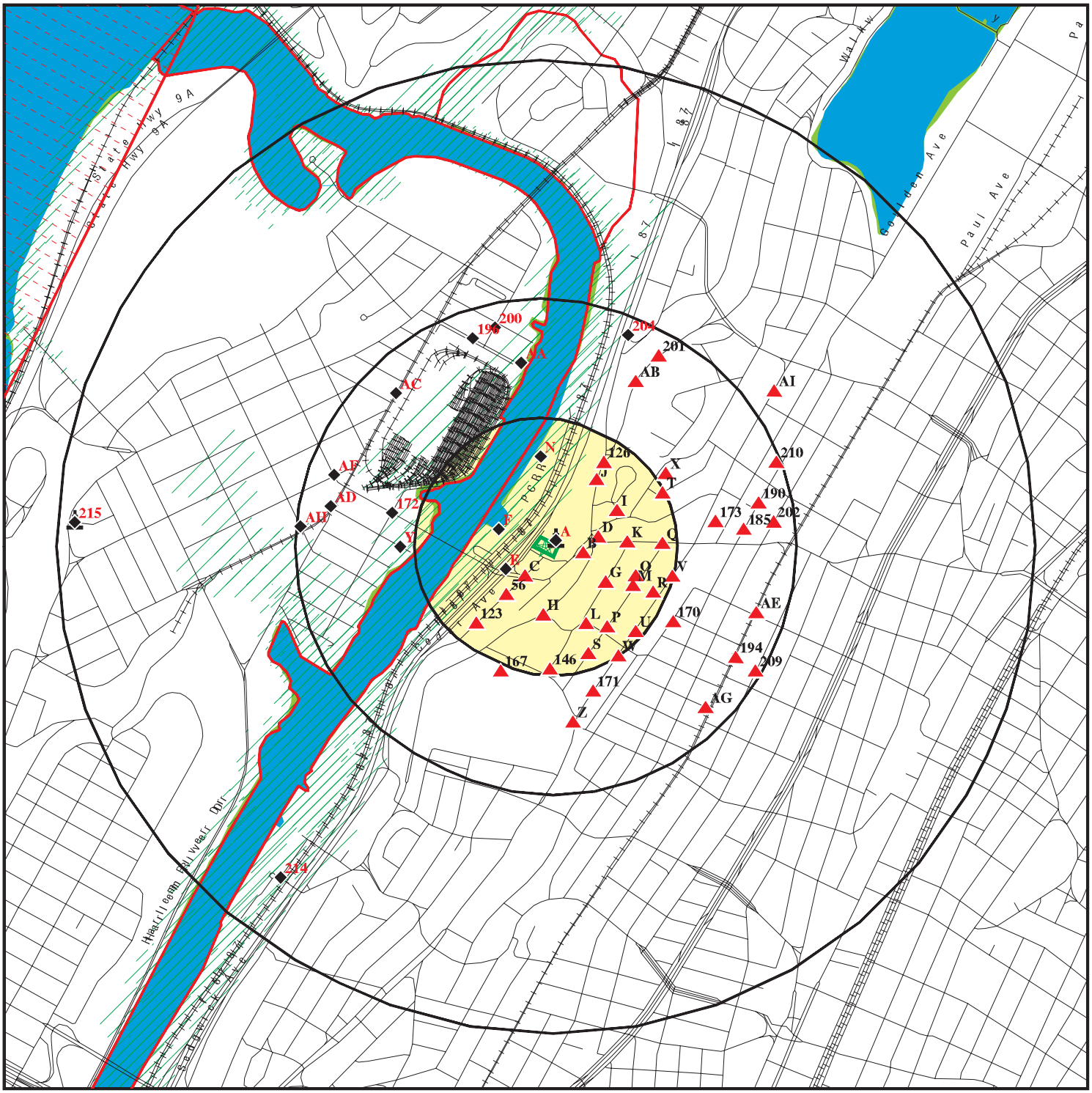
| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| Not reported | 2304 SEDGWICK AVE | E 0 - 1/8 (0.074 mi.) | D35 | 83 |
| Not reported | 2302 SEDGWICK AVE | E 0 - 1/8 (0.074 mi.) | D37 | 85 |
| Not reported | 2271 ANDREWS AVE | SE 1/8 - 1/4 (0.180 mi.) | M104 | 230 |
| Not reported | 130 W FORDHAM RD | E 1/8 - 1/4 (0.192 mi.) | K118 | 262 |
| Not reported | 128 W FORDHAM RD | E 1/8 - 1/4 (0.196 mi.) | Q121 | 265 |

# EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

| Site Name | Database(s) |
|---|---|
| SHELL OIL CO | RCRA NonGen / NLR, FINDS, NY MANIFEST, US AIRS |
| CON ED-MH 23025 | RCRA NonGen / NLR, NY MANIFEST |
| NYSDOT BIN 1066220 | FINDS, NY MANIFEST |
| NYSDOT CONTRACT D257548 | RCRA NonGen / NLR, NY MANIFEST |
| NYSDOT BIN 1067450 CONSTRACT D2531 | RCRA NonGen / NLR, NY MANIFEST |
| CON ED - FEEDERS M51/M52 | RCRA NonGen / NLR, NY MANIFEST |
| NYSDOT CONTRACT D252935 | RCRA NonGen / NLR, NY MANIFEST |
| MH23135 | RCRA NonGen / NLR, NY MANIFEST |
| MH148MRI | RCRA NonGen / NLR, NY MANIFEST |
| NYSDOT BIN 1076860 | RCRA-LQG |
| NYSDOT BIN 1075500 | RCRA-LQG |
| NYSDOT BIN 222943A | RCRA-LQG |
| NYCDOT BRIDGES BIN 206672B | RCRA NonGen / NLR |
| NYCDOT BRIDGES BIN 206672A | RCRA NonGen / NLR |
| NYCDOT - WEST 230TH STREET BRIDGE | RCRA NonGen / NLR |
| DRUM RUN | NY Spills |
| QUEENS BOUND AT THE TOLL PLAZA AT | NY Spills |
| TRAFFIC ACCIDENT | NY Spills |
| MILE MARKER IS POSSIBLY 2.6 THE CA | NY Spills |
| IFO TASK FORCE | NY Spills |

# OVERVIEW MAP - 4111006.2S




0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

| | |
|---|---|
| SITE NAME: Landing Road Phase 1 | CLIENT: GZA GeoEnvironmental, Inc. |
| ADDRESS: 233 Landing Road<br>Bronx NY 10468 | CONTACT: Arsheen Ehtesham |
| LAT/LONG: 40.8626 / 73.9109 | INQUIRY #: 4111006.2s |
| | DATE: October 21, 2014 9:48 am |

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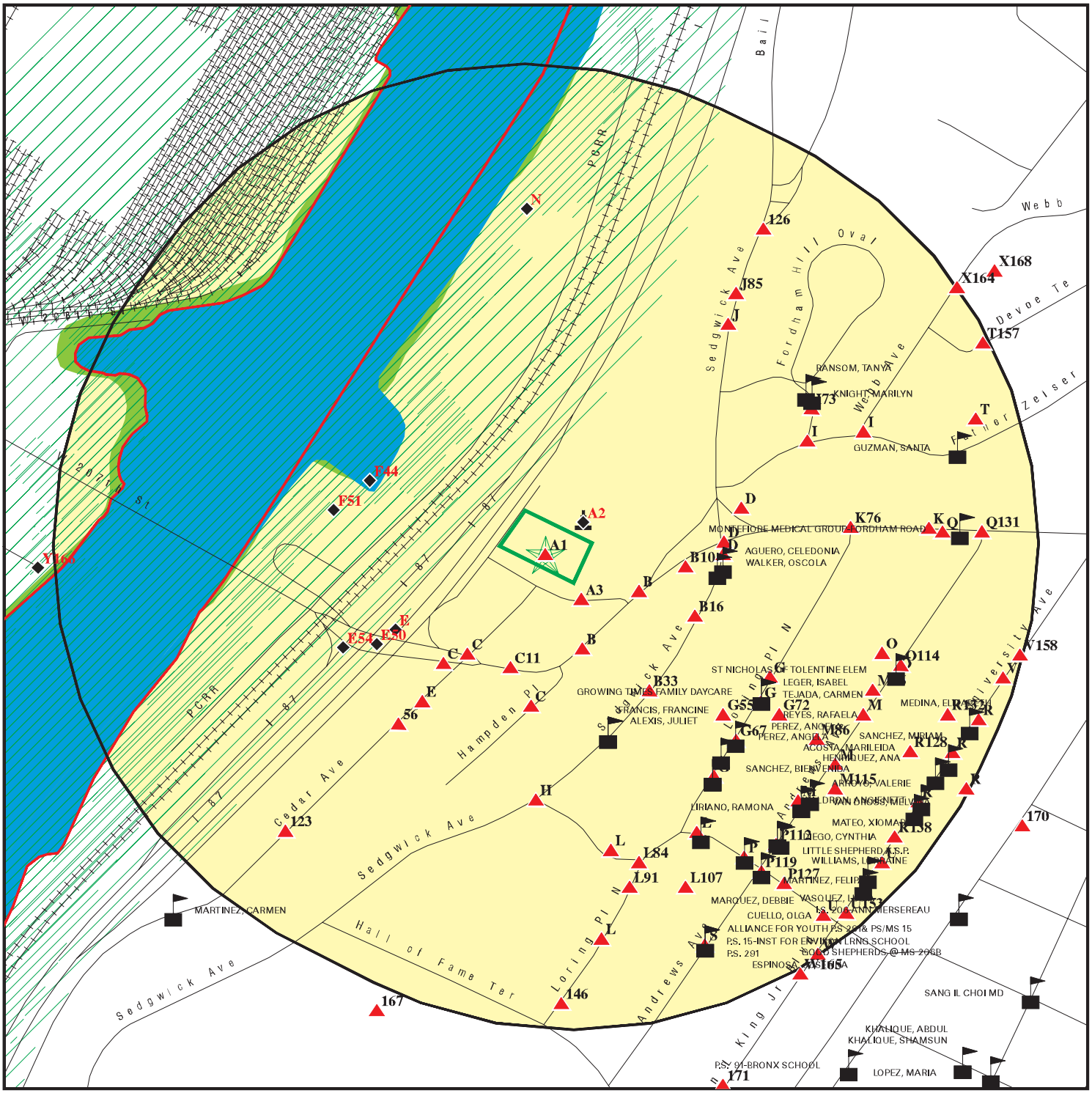
# DETAIL MAP - 4111006.2S




0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

| | |
|---|---|
| SITE NAME: Landing Road Phase 1 | CLIENT: GZA GeoEnvironmental, Inc. |
| ADDRESS: 233 Landing Road<br>Bronx NY 10468 | CONTACT: Arsheen Ehtesham |
| LAT/LONG: 40.8626 / 73.9109 | INQUIRY #: 4111006.2s |
| | DATE: October 21, 2014 9:50 am |

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# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| **STANDARD ENVIRONMENTAL RECORDS** | | | | | | | | |
| ***Federal NPL site list*** | | | | | | | | |
| NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| Proposed NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| NPL LIENS | TP | | NR | NR | NR | NR | NR | 0 |
| ***Federal Delisted NPL site list*** | | | | | | | | |
| Delisted NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Federal CERCLIS list*** | | | | | | | | |
| CERCLIS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| FEDERAL FACILITY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal CERCLIS NFRAP site List*** | | | | | | | | |
| CERC-NFRAP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal RCRA CORRACTS facilities list*** | | | | | | | | |
| CORRACTS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Federal RCRA non-CORRACTS TSD facilities list*** | | | | | | | | |
| RCRA-TSDF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal RCRA generators list*** | | | | | | | | |
| RCRA-LQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| RCRA-SQG | 0.250 | | 1 | 0 | NR | NR | NR | 1 |
| RCRA-CESQG | 0.250 | | 1 | 1 | NR | NR | NR | 2 |
| ***Federal institutional controls / engineering controls registries*** | | | | | | | | |
| US ENG CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US INST CONTROL | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| LUCIS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal ERNS list*** | | | | | | | | |
| ERNS | TP | | NR | NR | NR | NR | NR | 0 |
| ***State- and tribal - equivalent CERCLIS*** | | | | | | | | |
| NY SHWS | 1.000 | | 0 | 0 | 0 | 3 | NR | 3 |
| NY VAPOR REOPENED | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***State and tribal landfill and/or solid waste disposal site lists*** | | | | | | | | |
| NY SWF/LF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***State and tribal leaking storage tank lists*** | | | | | | | | |
| NY LTANKS | 0.500 | | 5 | 7 | 47 | NR | NR | 59 |
| NY HIST LTANKS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN LUST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| ***State and tribal registered storage tank lists*** | | | | | | | | |
| NY TANKS | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| NY UST | 0.250 | | 2 | 6 | NR | NR | NR | 8 |
| NY CBS UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| NY MOSF UST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| NY AST | 0.250 | | 15 | 54 | NR | NR | NR | 69 |
| NY CBS AST | 0.250 | | 0 | 1 | NR | NR | NR | 1 |
| NY MOSF AST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| NY MOSF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| NY CBS | 0.250 | | 0 | 1 | NR | NR | NR | 1 |
| INDIAN UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| FEMA UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ***State and tribal institutional control / engineering control registries*** | | | | | | | | |
| NY ENG CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| NY INST CONTROL | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***State and tribal voluntary cleanup sites*** | | | | | | | | |
| NY VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***State and tribal Brownfields sites*** | | | | | | | | |
| NY ERP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| NY BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| **ADDITIONAL ENVIRONMENTAL RECORDS** | | | | | | | | |
| ***Local Brownfield lists*** | | | | | | | | |
| US BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Landfill / Solid Waste Disposal Sites*** | | | | | | | | |
| ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| DEBRIS REGION 9 | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| NY SWTIRE | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| NY SWRCY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Hazardous waste / Contaminated Sites*** | | | | | | | | |
| US CDL | TP | | NR | NR | NR | NR | NR | 0 |
| NY DEL SHWS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| US HIST CDL | TP | | NR | NR | NR | NR | NR | 0 |
| ***Local Lists of Registered Storage Tanks*** | | | | | | | | |
| NY HIST UST | 0.250 | | 1 | 7 | NR | NR | NR | 8 |
| NY HIST AST | TP | | NR | NR | NR | NR | NR | 0 |
| ***Local Land Records*** | | | | | | | | |
| LIENS 2 | TP | | NR | NR | NR | NR | NR | 0 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| NY LIENS | TP | | NR | NR | NR | NR | NR | 0 |
| ***Records of Emergency Release Reports*** | | | | | | | | |
| HMIRS | TP | | NR | NR | NR | NR | NR | 0 |
| NY Spills | 0.125 | | 23 | NR | NR | NR | NR | 23 |
| NY Hist Spills | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| NY SPILLS 80 | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| NY SPILLS 90 | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| ***Other Ascertainable Records*** | | | | | | | | |
| RCRA NonGen / NLR | 0.250 | | 6 | 4 | NR | NR | NR | 10 |
| DOT OPS | TP | | NR | NR | NR | NR | NR | 0 |
| DOD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| FUDS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| CONSENT | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ROD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| UMTRA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| TRIS | TP | | NR | NR | NR | NR | NR | 0 |
| TSCA | TP | | NR | NR | NR | NR | NR | 0 |
| FTTS | TP | | NR | NR | NR | NR | NR | 0 |
| HIST FTTS | TP | | NR | NR | NR | NR | NR | 0 |
| SSTS | TP | | NR | NR | NR | NR | NR | 0 |
| ICIS | TP | | NR | NR | NR | NR | NR | 0 |
| PADS | TP | | NR | NR | NR | NR | NR | 0 |
| MLTS | TP | | NR | NR | NR | NR | NR | 0 |
| RADINFO | TP | | NR | NR | NR | NR | NR | 0 |
| FINDS | TP | | NR | NR | NR | NR | NR | 0 |
| RAATS | TP | | NR | NR | NR | NR | NR | 0 |
| RMP | TP | | NR | NR | NR | NR | NR | 0 |
| NY HSWDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| NY UIC | TP | | NR | NR | NR | NR | NR | 0 |
| NY MANIFEST | 0.250 | | 6 | 21 | NR | NR | NR | 27 |
| NJ MANIFEST | 0.250 | | 3 | 0 | NR | NR | NR | 3 |
| NY DRYCLEANERS | 0.250 | | 0 | 1 | NR | NR | NR | 1 |
| NY SPDES | TP | | NR | NR | NR | NR | NR | 0 |
| NY AIRS | TP | | NR | NR | NR | NR | NR | 0 |
| NY E DESIGNATION | 0.125 | 1 | 2 | NR | NR | NR | NR | 3 |
| INDIAN RESERV | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| SCRD DRYCLEANERS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| NY Financial Assurance | TP | | NR | NR | NR | NR | NR | 0 |
| NY COAL ASH | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| COAL ASH EPA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US FIN ASSUR | TP | | NR | NR | NR | NR | NR | 0 |
| PCB TRANSFORMER | TP | | NR | NR | NR | NR | NR | 0 |
| EPA WATCH LIST | TP | | NR | NR | NR | NR | NR | 0 |
| 2020 COR ACTION | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| LEAD SMELTERS | TP | | NR | NR | NR | NR | NR | 0 |
| PRP | TP | | NR | NR | NR | NR | NR | 0 |
| US AIRS | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH DOE | TP | | NR | NR | NR | NR | NR | 0 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| **EDR HIGH RISK HISTORICAL RECORDS** | | | | | | | | |
| ***EDR Exclusive Records*** | | | | | | | | |
| EDR MGP | 1.000 | | 1 | 0 | 0 | 1 | NR | 2 |
| EDR US Hist Auto Stat | 0.250 | | 4 | 2 | NR | NR | NR | 6 |
| EDR US Hist Cleaners | 0.250 | | 2 | 3 | NR | NR | NR | 5 |
| **EDR RECOVERED GOVERNMENT ARCHIVES** | | | | | | | | |
| ***Exclusive Recovered Govt. Archives*** | | | | | | | | |
| NY RGA LF | TP | | NR | NR | NR | NR | NR | 0 |
| NY RGA HWS | TP | | NR | NR | NR | NR | NR | 0 |

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

**A1 Target Property** | **LOT 25,TAXBLOCK 3236**
**233 LANDING ROAD**
**BRONX, NY 10468** | **NY E DESIGNATION** | **S108983132**
**N/A**

**Site 1 of 3 in cluster A**

**Actual: 51 ft.**

E DESIGNATION:

| | |
|---|---|
| Tax Lot(s): | 25 |
| E-No: | E-189 |
| Effective Date: | 1/9/2008 |
| Satisfaction Date: | Not reported |
| Ceqr Number: | 06DCP062X |
| Ulurp Number: | 060320ZMX |
| Zoning Map No: | 3c |
| Description: | Window Wall Attenuation & Alternate Ventilation |
| Borough Code: | BX |
| Community District: | 207 |
| Census Tract: | 269 |
| Census Block: | 2001 |
| School District: | 10 |
| City Council District: | 14 |
| Fire Company: | E081 |
| Health Area: | 21 |
| Police Precinct: | 052 |
| Zone District 1: | C8-3 |
| Zone District 2: | Not reported |
| Commercial Overlay1: | Not reported |
| Commercial Overlay2: | Not reported |
| Special Purpose District1: | Not reported |
| Special Purpose District2: | Not reported |
| All Components1: | C8-3 |
| All Components2: | Not reported |
| Split Boundary Indicator: | N |
| Building Class: | G7 |
| Land Use Category: | 10 |
| Number of Easements: | 0 |
| Owner, Type of Code: | P |
| Owner Name: | AMERICAN SELF STORAGE |
| Lot Area: | 000033933 |
| Total Building Floor Area: | 00000000000 |
| Commercial Floor Area: | 00000000000 |
| Office Floor Area: | 00000000000 |
| Retail Floor Area: | 00000000000 |
| Garage Floor Area: | 00000000000 |
| Storage Floor Area: | 00000000000 |
| Factory Floor Area: | 00000000000 |
| Other Floor Area: | 00000000000 |
| Floor Area,Total Bld Source Code: | 7 |
| Number of Buildings: | 00000 |
| Number of Floors: | 001.00 |
| Residential Units: | 00000 |
| Non and Residential Units: | 00000 |
| Lot Frontage: | 0229.67 |
| Lot Depth: | 0147.75 |
| Building Frontage: | 0000.00 |
| Building Depth: | 0000.00 |
| Proximity Code: | 0 |
| Irregular Lot Code: | N |
| Lot Type: | 5 |

**LOT 25,TAXBLOCK 3236 (Continued)** **S108983132**

| | |
|---|---|
| Basement Type Grade: | 5 |
| Land Assessed Value: | 00000138600 |
| Total Assessed Value: | 00000185850 |
| Land Exempt Value: | 00000000000 |
| Total Exempt Value: | 00000000000 |
| Year Built: | 0000 |
| Year Built Code: | Not reported |
| Year Altered1: | 0000 |
| Year Altered2: | 0000 |
| Historic District Name: | Not reported |
| Landmark Name: | Not reported |
| Built Floor Area Ratio-Far: | 0000.00 |
| Maximum Allowable Far: | 02.00 |
| Borough Code: | 2 |
| Borough Tax Block And Lot: | 2032360025 |
| Condominium Number: | 00000 |
| Census Tract 2: | 0269 |
| X Coordinate: | 1008887 |
| Y Coordinate: | 0253573 |
| Zoning Map: | 03A |
| Sanborn Map: | 214 028 |
| Tax Map: | 21111 |
| E Designation No: | Not reported |
| Date of RPAD Data: | 11/2005 |
| Date of DCAS Data: | 01/2006 |
| Date of Zoning Data: | 11/2005 |
| Date of Major Property Data: | 11/2005 |
| Date of Landmark Data: | 12/2005 |
| Date of Base Map Data: | 01/2006 |
| Date of Mass Appraisal Data: | 11/2005 |
| Date of Political and Adm Data: | 08/2005 |
| Pluto-Base Map Indicator: | 1 |

| | |
|---|---|
| Tax Lot(s): | 25 |
| E-No: | E-189 |
| Effective Date: | 1/9/2008 |
| Satisfaction Date: | Not reported |
| Ceqr Number: | 06DCP062X |
| Ulurp Number: | 060320ZMX |
| Zoning Map No: | 3c |
| Description: | Exhaust stack location limitations |
| Borough Code: | BX |
| Community District: | 207 |
| Census Tract: | 269 |
| Census Block: | 2001 |
| School District: | 10 |
| City Council District: | 14 |
| Fire Company: | E081 |
| Health Area: | 21 |
| Police Precinct: | 052 |
| Zone District 1: | C8-3 |
| Zone District 2: | Not reported |
| Commercial Overlay1: | Not reported |
| Commercial Overlay2: | Not reported |
| Special Purpose District1: | Not reported |
| Special Purpose District2: | Not reported |
| All Components1: | C8-3 |

**LOT 25,TAXBLOCK 3236 (Continued)** **S108983132**

| | |
|---|---|
| All Components2: | Not reported |
| Split Boundary Indicator: | N |
| Building Class: | G7 |
| Land Use Category: | 10 |
| Number of Easements: | 0 |
| Owner, Type of Code: | P |
| Owner Name: | AMERICAN SELF STORAGE |
| Lot Area: | 000033933 |
| Total Building Floor Area: | 00000000000 |
| Commercial Floor Area: | 00000000000 |
| Office Floor Area: | 00000000000 |
| Retail Floor Area: | 00000000000 |
| Garage Floor Area: | 00000000000 |
| Storage Floor Area: | 00000000000 |
| Factory Floor Area: | 00000000000 |
| Other Floor Area: | 00000000000 |
| Floor Area,Total Bld Source Code: | 7 |
| Number of Buildings: | 00000 |
| Number of Floors: | 001.00 |
| Residential Units: | 00000 |
| Non and Residential Units: | 00000 |
| Lot Frontage: | 0229.67 |
| Lot Depth: | 0147.75 |
| Building Frontage: | 0000.00 |
| Building Depth: | 0000.00 |
| Proximity Code: | 0 |
| Irregular Lot Code: | N |
| Lot Type: | 5 |
| Basement Type Grade: | 5 |
| Land Assessed Value: | 00000138600 |
| Total Assessed Value: | 00000185850 |
| Land Exempt Value: | 00000000000 |
| Total Exempt Value: | 00000000000 |
| Year Built: | 0000 |
| Year Built Code: | Not reported |
| Year Altered1: | 0000 |
| Year Altered2: | 0000 |
| Historic District Name: | Not reported |
| Landmark Name: | Not reported |
| Built Floor Area Ratio-Far: | 0000.00 |
| Maximum Allowable Far: | 02.00 |
| Borough Code: | 2 |
| Borough Tax Block And Lot: | 2032360025 |
| Condominium Number: | 00000 |
| Census Tract 2: | 0269 |
| X Coordinate: | 1008887 |
| Y Coordinate: | 0253573 |
| Zoning Map: | 03A |
| Sanborn Map: | 214 028 |
| Tax Map: | 21111 |
| E Designation No: | Not reported |
| Date of RPAD Data: | 11/2005 |
| Date of DCAS Data: | 01/2006 |
| Date of Zoning Data: | 11/2005 |
| Date of Major Property Data: | 11/2005 |
| Date of Landmark Data: | 12/2005 |
| Date of Base Map Data: | 01/2006 |

**LOT 25,TAXBLOCK 3236 (Continued)** **S108983132**

Date of Mass Appraisal Data: 11/2005
Date of Political and Adm Data: 08/2005
Pluto-Base Map Indicator: 1

---

**A2**
**NE**
**< 1/8**
**0.008 mi.**
**44 ft.**

**CON EDISON - KINGSBRIDGE STATION MGP** **EDR MGP** **1008407870**
**BLOCK 3236, LOT 25 AND BLOCK 3236 LOT 45** **N/A**
**BRONX, NY 10468**

**Site 2 of 3 in cluster A**

**Relative:**
**Lower**

**Actual:**
**33 ft.**

Manufactured Gas Plants:
No additional information available

---

**A3**
**SE**
**< 1/8**
**0.010 mi.**
**52 ft.**

**LOT 1,TAXBLOCK 3236** **NY E DESIGNATION** **S108983122**
**211 LANDING ROAD** **N/A**
**BRONX, NY 10468**

**Site 3 of 3 in cluster A**

**Relative:**
**Higher**

**Actual:**
**70 ft.**

E DESIGNATION:

| | |
|---|---|
| Tax Lot(s): | 1 |
| E-No: | E-189 |
| Effective Date: | 1/9/2008 |
| Satisfaction Date: | Not reported |
| Ceqr Number: | 06DCP062X |
| Ulurp Number: | 060320ZMX |
| Zoning Map No: | 3c |
| Description: | Underground Gasoline Storage Tanks* Testing Protocol. |
| Borough Code: | BX |
| Community District: | 207 |
| Census Tract: | 269 |
| Census Block: | 2001 |
| School District: | 10 |
| City Council District: | 14 |
| Fire Company: | E081 |
| Health Area: | 21 |
| Police Precinct: | 052 |
| Zone District 1: | R6 |
| Zone District 2: | Not reported |
| Commercial Overlay1: | C2-4 |
| Commercial Overlay2: | Not reported |
| Special Purpose District1: | Not reported |
| Special Purpose District2: | Not reported |
| All Components1: | C2-4/R6 |
| All Components2: | Not reported |
| Split Boundary Indicator: | N |
| Building Class: | G7 |
| Land Use Category: | 10 |
| Number of Easements: | 0 |
| Owner, Type of Code: | Not reported |
| Owner Name: | FORDHAM HILL OWNERSCP |
| Lot Area: | 000170368 |
| Total Building Floor Area: | 00000000000 |
| Commercial Floor Area: | 00000000000 |

**LOT 1,TAXBLOCK 3236 (Continued)** **S108983122**

| | |
|---|---|
| Office Floor Area: | 00000000000 |
| Retail Floor Area: | 00000000000 |
| Garage Floor Area: | 00000000000 |
| Storage Floor Area: | 00000000000 |
| Factory Floor Area: | 00000000000 |
| Other Floor Area: | 00000000000 |
| Floor Area,Total Bld Source Code: | 7 |
| Number of Buildings: | 00000 |
| Number of Floors: | 000.00 |
| Residential Units: | 00000 |
| Non and Residential Units: | 00000 |
| Lot Frontage: | 0110.00 |
| Lot Depth: | 0385.58 |
| Building Frontage: | 0000.00 |
| Building Depth: | 0000.00 |
| Proximity Code: | 0 |
| Irregular Lot Code: | Y |
| Lot Type: | 3 |
| Basement Type Grade: | 5 |
| Land Assessed Value: | 00000558000 |
| Total Assessed Value: | 00000675000 |
| Land Exempt Value: | 00000000000 |
| Total Exempt Value: | 00000000000 |
| Year Built: | 0000 |
| Year Built Code: | Not reported |
| Year Altered1: | 0000 |
| Year Altered2: | 0000 |
| Historic District Name: | Not reported |
| Landmark Name: | Not reported |
| Built Floor Area Ratio-Far: | 0000.00 |
| Maximum Allowable Far: | 02.43 |
| Borough Code: | 2 |
| Borough Tax Block And Lot: | 2032360001 |
| Condominium Number: | 00000 |
| Census Tract 2: | 0269 |
| X Coordinate: | 1009289 |
| Y Coordinate: | 0254063 |
| Zoning Map: | 03C |
| Sanborn Map: | 214 029 |
| Tax Map: | 21111 |
| E Designation No: | Not reported |
| Date of RPAD Data: | 11/2005 |
| Date of DCAS Data: | 01/2006 |
| Date of Zoning Data: | 11/2005 |
| Date of Major Property Data: | 11/2005 |
| Date of Landmark Data: | 12/2005 |
| Date of Base Map Data: | 01/2006 |
| Date of Mass Appraisal Data: | 11/2005 |
| Date of Political and Adm Data: | 08/2005 |
| Pluto-Base Map Indicator: | 1 |
| | |
| Tax Lot(s): | 1 |
| E-No: | E-189 |
| Effective Date: | 1/9/2008 |
| Satisfaction Date: | Not reported |
| Ceqr Number: | 06DCP062X |
| Ulurp Number: | 060320ZMX |

**LOT 1,TAXBLOCK 3236 (Continued)** **S108983122**

| | |
|---|---|
| Zoning Map No: | 3c |
| Description: | Window Wall Attenuation & Alternate Ventilation |
| Borough Code: | BX |
| Community District: | 207 |
| Census Tract: | 269 |
| Census Block: | 2001 |
| School District: | 10 |
| City Council District: | 14 |
| Fire Company: | E081 |
| Health Area: | 21 |
| Police Precinct: | 052 |
| Zone District 1: | R6 |
| Zone District 2: | Not reported |
| Commercial Overlay1: | C2-4 |
| Commercial Overlay2: | Not reported |
| Special Purpose District1: | Not reported |
| Special Purpose District2: | Not reported |
| All Components1: | C2-4/R6 |
| All Components2: | Not reported |
| Split Boundary Indicator: | N |
| Building Class: | G7 |
| Land Use Category: | 10 |
| Number of Easements: | 0 |
| Owner, Type of Code: | Not reported |
| Owner Name: | FORDHAM HILL OWNERSCP |
| Lot Area: | 000170368 |
| Total Building Floor Area: | 00000000000 |
| Commercial Floor Area: | 00000000000 |
| Office Floor Area: | 00000000000 |
| Retail Floor Area: | 00000000000 |
| Garage Floor Area: | 00000000000 |
| Storage Floor Area: | 00000000000 |
| Factory Floor Area: | 00000000000 |
| Other Floor Area: | 00000000000 |
| Floor Area,Total Bld Source Code: | 7 |
| Number of Buildings: | 00000 |
| Number of Floors: | 000.00 |
| Residential Units: | 00000 |
| Non and Residential Units: | 00000 |
| Lot Frontage: | 0110.00 |
| Lot Depth: | 0385.58 |
| Building Frontage: | 0000.00 |
| Building Depth: | 0000.00 |
| Proximity Code: | 0 |
| Irregular Lot Code: | Y |
| Lot Type: | 3 |
| Basement Type Grade: | 5 |
| Land Assessed Value: | 00000558000 |
| Total Assessed Value: | 00000675000 |
| Land Exempt Value: | 00000000000 |
| Total Exempt Value: | 00000000000 |
| Year Built: | 0000 |
| Year Built Code: | Not reported |
| Year Altered1: | 0000 |
| Year Altered2: | 0000 |
| Historic District Name: | Not reported |
| Landmark Name: | Not reported |

**LOT 1,TAXBLOCK 3236 (Continued)** **S108983122**

| | |
|---|---|
| Built Floor Area Ratio-Far: | 0000.00 |
| Maximum Allowable Far: | 02.43 |
| Borough Code: | 2 |
| Borough Tax Block And Lot: | 2032360001 |
| Condominium Number: | 00000 |
| Census Tract 2: | 0269 |
| X Coordinate: | 1009289 |
| Y Coordinate: | 0254063 |
| Zoning Map: | 03C |
| Sanborn Map: | 214 029 |
| Tax Map: | 21111 |
| E Designation No: | Not reported |
| Date of RPAD Data: | 11/2005 |
| Date of DCAS Data: | 01/2006 |
| Date of Zoning Data: | 11/2005 |
| Date of Major Property Data: | 11/2005 |
| Date of Landmark Data: | 12/2005 |
| Date of Base Map Data: | 01/2006 |
| Date of Mass Appraisal Data: | 11/2005 |
| Date of Political and Adm Data: | 08/2005 |
| Pluto-Base Map Indicator: | 1 |

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**B4** **CON ED VEHICLE** **NY Spills** **S106970991**
**ESE** **LANDING RD & FORDHAM RD** **N/A**
**< 1/8** **BRONX, NY**
**0.033 mi.**
**173 ft.** **Site 1 of 9 in cluster B**

**Relative:**
**Higher**

**Actual:**
**85 ft.**

SPILLS:

| | |
|---|---|
| Facility ID: | 0502114 |
| Facility Type: | ER |
| DER Facility ID: | 292663 |
| Site ID: | 346408 |
| DEC Region: | 2 |
| Spill Date: | 5/22/2005 |
| Spill Number/Closed Date: | 0502114 / 5/25/2005 |
| Spill Cause: | Human Error |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | GDBREEN |
| Referred To: | Not reported |
| Reported to Dept: | 5/22/2005 |
| CID: | 38 |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 5/22/2005 |
| Spill Record Last Update: | 5/25/2005 |
| Spiller Name: | ERT DESK |
| Spiller Company: | CON EDISON |
| Spiller Address: | Not reported |

**CON ED VEHICLE (Continued)** **S106970991**

Spiller City,St,Zip: ZZ
Spiller Company: 001
Contact Name: ERT DESK
Contact Phone: (212) 580-8383
DEC Memo: 158715. 22-May-2005 13:40 hrs. Bx/West EH&S Sr. Specialist J. Feeney # 86854 reported that while observing crews working at Mh # 247 @ Landing Rd & Fordham Rd, in the Bronx. he discovered ~ 4 Ounces of motor oil had been spilled from a portable generator onto bluestone. There was/is no smoke, fire or injuries involved. There was/is no sewers, waterways or private property affected. Sr. Specialist J. Feeney # 86854 removed the affected area of bluestone and cleaned the fill port of the generator of any excess motor oil. Generated 1 bag of non-hazardous waste which he will take to temporary non hazardous waste bin at The Van Nest Service Center for disposal. Cleanup complete. R. Browne # 21646Closed.
Remarks: portable generator spilled 4 ounces of motor oil on blue stone. Spill cleaned up by Con Edison. Waste generated 1 bag of non hazardous waste. 158715.

Material:
Site ID: 346408
Operable Unit ID: 1104179
Operable Unit: 01
Material ID: 584340
Material Code: 0015
Material Name: Motor Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 4
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

---

**B5**
**ESE**
**< 1/8**
**0.033 mi.**
**173 ft.**

**BRONX CABLE HOUSE** **NY Spills** **S106867089**
**LANDING ROAD/FORDAM RD** **N/A**
**BRONX, NY**

**Site 2 of 9 in cluster B**

**Relative:**
**Higher**

**Actual:**
**85 ft.**

SPILLS:
Facility ID: 0412868
Facility Type: ER
DER Facility ID: 273817
Site ID: 338478
DEC Region: 2
Spill Date: 3/9/2005
Spill Number/Closed Date: 0412868 / 8/9/2005
Spill Cause: Equipment Failure
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 0301
Investigator: JHOCONNE
Referred To: Not reported
Reported to Dept: 3/9/2005

**BRONX CABLE HOUSE (Continued)** **S106867089**

| | |
|---|---|
| CID: | 444 |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/9/2005 |
| Spill Record Last Update: | 8/9/2005 |
| Spiller Name: | ERT DESK |
| Spiller Company: | BRONX CABLE HOUSE |
| Spiller Address: | LANDING ROAD/FORDAM RD |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller Company: | 001 |
| Contact Name: | ERT DESK |
| Contact Phone: | (212) 580-8383 |
| DEC Memo: | e2mis no 15752209-Mar-2005 09:51 D. Rohrer 12788EH&S Manager W. Hedeman 84455 reported while on location for an inspection of the Bronx Cable House discovered 1 quart of cable leaked on concrete from wrapped leaking dead end cables. No sewers, waterways, or private property affected. Env tag 46304 was placed and a pcb sample was taken on EE04834. This is being made a reportable spill due to the planning involved for the cleanup between remediation and scheduling of feeder outages.09-Mar-2005 10:09 D. Rohrer 12788This spill was voided and replaced - this site-previously under WEDS-157522.Lab Sequence Number: 05-02079-001 - PCBs < 1 ppm (BRONX CABLE HOUSE - LANDING N/O FORDHAM)Sample were taken from the floor of structure at each wall. The source of oil is unknown due to multiple "D" Faults. Because the feeders are covered in arc proof tape it is difficult to determine if a feeder is leaking or if it was leaked on from a feeder above. Due to the "D" Faults it is unsafe to enter this structure until every feeder is properly identified and de-energized. Source is potentially several leaking joints, cables or cable ends. When the feeders are taken out of service for repairs and cleanup, each source will be sampled to determine the equipment responsible for the high PCB results. Engineering, the undergroundand EH&S are currently working on a plan to take out every feeder in this structure out of service to determine which sections contain "D" faults. During this outage the leaking sections will be replaced and the cleanup conducted.Lab Sequence Number: 05-03620-001 - TOTAL PCB 5718 ppm (FLOOR OF NORTH WALL)Lab Sequence Number: 05-03620-002 - TOTAL PCB 46 ppm ( FLOOR OF SOUTH WALL )Lab Sequence Number: 05-03620-003 - TOTAL PCB 65 ppm (EAST FLOOR OF NORTHERLY WALL)Lab Sequence Number: 05-03620-004 - TOTAL PCB 12 ppm ( EAST FLOOR OF SOUTHERLY WALL)Walter Hedeman 84455. 21-May-2005 19:30hrs. EH&S Sr. Spec. L. Fischer reports that the intitial cleanup is complete. All 'D' fault feeders were de-energized prior to work within the cable house at Fordham landing. All Arc proofing and spill roll flooring material "carpet" removed and barrelled. Floors and lower wall areas scrubbed twice with 760 soap and spread with speedy dry to absorb and shoveled into barrels. Floor areas were re-carpeted with spill roll and splicers were sent into the cable house with appropriate PPE to begin re-racking of feeders and addressment of 'D' faults. 10 barrels of PCB waste generated and transported to Van Nest Service center under |

**BRONX CABLE HOUSE (Continued)** **S106867089**

a one-trip rule by tool room personnel. Once all work is complete the floors will be wiped by chem lab technicians for analysis to investigate if cleanup achieved acceptableclearance results. Note, sampling and final cleaning are on hold do to sensitivity of feeders and potential for large outage requiring splicing work to progress prior to wipe samples and analysis. C. Blaich 8734831-May-2005 22:40 hrs. UG Env Mech A Esham Gafur 19528 reported cleanup of north east wall and north floor started at 16:30 and completed at 21:30 hours using speedi dri, simplegreen 460 degreaser generating 1 drum of oily haz for PCB waste to be returned to VNSC under 1 trip rule. Partial cleanup complete. 2 empty drums left outside door of cable house for cleanup tomorrow 15:00 shift. Rich Benkwitt 3837301-Jun-2005 22:14 hrs. UG Env Mech A Esham Gafur 19258 reports south floor cleaned with speedi dri, simple green and 760 degreaser generating 1 drum of oily haz waste to betransported under 1 trip rule to Van Nest SC for proper disposal. Gate locked, tag in place and one empty unmarked drum left outside entrance door. Rich Benkwitt 3837321-Jun-2005 16:41. Chem-Lab was cancelled due to the crew's vehicle breaking down as per Oper Superv C. D'Alisera 48339. D. Rohrer 1278822-Jun-2005 18:00 hrs. Flush Mech, Esham Gafur (19528) will assist Astoria Chem Lab in taking 11 wipe samples. The corresponding numbers, 9-10-11-13-14-16-17-21-22-23-24. L Fischer 5578427-June-2005 08:13 Hrs. All 11 wipes samples pass cleanup criteria, spill cleaned up, environmental tag has been removed. 10-samples were less than 1.0 ug/100cm2, 1-samples was 1.2ug/100cm2. Environmental tag has been removed. J.Siesfeld 84253.Closed. 8-9-05. George Breen

Remarks: LEAKING DEAD END CABLES: NO TO 5 QUESTIONS: CONED # 157522: about 1 pint and is contained to asphalt

Material:

| | |
|---|---|
| Site ID: | 338478 |
| Operable Unit ID: | 1100424 |
| Operable Unit: | 01 |
| Material ID: | 580714 |
| Material Code: | 0020B |
| Material Name: | CABLE OIL |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**B6** **LOT 220,TAXBLOCK 3236** **NY LTANKS** **S108983130**
**ESE** **205 WEST FORDHAM ROAD** **NY E DESIGNATION** **N/A**
**< 1/8** **BRONX, NY 10468**
**0.035 mi.**
**185 ft.** **Site 3 of 9 in cluster B**

**Relative:**
**Higher**

**Actual:**
**87 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 214115 |
| Spill Number/Closed Date: | 0230037 / 12/8/2005 |
| Spill Date: | 1/7/2002 |
| Spill Cause: | Tank Failure |

**LOT 220,TAXBLOCK 3236 (Continued)** **S108983130**

| | |
|---|---|
| Spill Source: | Gasoline Station |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | aaobliga |
| Referred To: | NFA |
| Reported to Dept: | 1/7/2002 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 9/27/2002 |
| Spill Record Last Update: | 12/8/2005 |
| Spiller Name: | ROBERTO |
| Spiller Company: | GASETERIA |
| Spiller Address: | 364 MASPETH AVENUE |
| Spiller City,St,Zip: | BROOKLYN, NY - |
| Spiller County: | 001 |
| Spiller Contact: | ROBERTO |
| Spiller Phone: | (718) 782-4200 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 177398 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"SPILL TRANSFERRED FROM VOUGHT TO OBLIGADO10/21/05 - Obligado - Baseline Acquisition Assessment Report- (1/10/03), submitted by Delta. In 1/02, 5 soil borings advanced by Whitestone Associates to between 7 and 22 ft bgs. 5 soil samples collected. Only one exceedence for xylene at 1910 ppb. Soil results show total VOC from 30 ppb in SB5 (20-22') to 4194 ppb in SB3(5-7'). Total SVOCs 1991 ppb, no exeedences. No metals exceedences. Delta plans to collect ground water samples once surrounding fence has been demolished so there is acccess for drill rig. 10/21/05 - Obligado - Email correspondence to Brad Fisher asking if ground water samples ever collected.10/26/05 - Obligado - Email from Brad Fisher. BP put development plans on hold. No plans in the near future to bring drill rig to site to collect ground water samples.11/3/05 - Obligado - Send Email to Tomasello inquiring if ASR has done any work at the site. If USTs have been removed.12/7/05 - Obligado - Meeting with DEC, ASR, Gaseteria. Grant NFA, send letter 12/8/05. |
| Remarks: | Contaminated soi found. Data reported to DEC despite knowledge by Gaseteria since 8/5/2002. |

Material:

| | |
|---|---|
| Site ID: | 214115 |
| Operable Unit ID: | 866814 |
| Operable Unit: | 01 |
| Material ID: | 509678 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |

**LOT 220,TAXBLOCK 3236 (Continued)** **S108983130**

| | |
|---|---|
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

E DESIGNATION:

| | |
|---|---|
| Tax Lot(s): | 220 |
| E-No: | E-189 |
| Effective Date: | 1/9/2008 |
| Satisfaction Date: | Not reported |
| Ceqr Number: | 06DCP062X |
| Ulurp Number: | 060320ZMX |
| Zoning Map No: | 3c |
| Description: | Underground Gasoline Storage Tanks* Testing Protocol. |
| Borough Code: | BX |
| Community District: | 207 |
| Census Tract: | 269 |
| Census Block: | 2001 |
| School District: | 10 |
| City Council District: | 14 |
| Fire Company: | E081 |
| Health Area: | 21 |
| Police Precinct: | 052 |
| Zone District 1: | R6 |
| Zone District 2: | Not reported |
| Commercial Overlay1: | C2-4 |
| Commercial Overlay2: | Not reported |
| Special Purpose District1: | Not reported |
| Special Purpose District2: | Not reported |
| All Components1: | C2-4/R6 |
| All Components2: | Not reported |
| Split Boundary Indicator: | N |
| Building Class: | G6 |
| Land Use Category: | 10 |
| Number of Easements: | 0 |
| Owner, Type of Code: | P |
| Owner Name: | GASETERIA OIL CORP. |
| Lot Area: | 000012978 |
| Total Building Floor Area: | 00000001688 |
| Commercial Floor Area: | 00000001688 |
| Office Floor Area: | 00000000000 |
| Retail Floor Area: | 00000000000 |
| Garage Floor Area: | 00000001688 |
| Storage Floor Area: | 00000000000 |
| Factory Floor Area: | 00000000000 |
| Other Floor Area: | 00000000000 |
| Floor Area,Total Bld Source Code: | 7 |
| Number of Buildings: | 00001 |
| Number of Floors: | 001.00 |
| Residential Units: | 00000 |
| Non and Residential Units: | 00001 |
| Lot Frontage: | 0181.00 |

**LOT 220,TAXBLOCK 3236 (Continued)** **S108983130**

| | |
|---|---|
| Lot Depth: | 0070.00 |
| Building Frontage: | 0040.00 |
| Building Depth: | 0025.00 |
| Proximity Code: | 1 |
| Irregular Lot Code: | Y |
| Lot Type: | 5 |
| Basement Type Grade: | 5 |
| Land Assessed Value: | 00000059850 |
| Total Assessed Value: | 00000088200 |
| Land Exempt Value: | 00000000000 |
| Total Exempt Value: | 00000000000 |
| Year Built: | 1920 |
| Year Built Code: | Not reported |
| Year Altered1: | 0000 |
| Year Altered2: | 0000 |
| Historic District Name: | Not reported |
| Landmark Name: | Not reported |
| Built Floor Area Ratio-Far: | 0000.13 |
| Maximum Allowable Far: | 02.43 |
| Borough Code: | 2 |
| Borough Tax Block And Lot: | 2032360220 |
| Condominium Number: | 00000 |
| Census Tract 2: | 0269 |
| X Coordinate: | 1009172 |
| Y Coordinate: | 0253550 |
| Zoning Map: | 03C |
| Sanborn Map: | 214 028 |
| Tax Map: | 21111 |
| E Designation No: | Not reported |
| Date of RPAD Data: | 11/2005 |
| Date of DCAS Data: | 01/2006 |
| Date of Zoning Data: | 11/2005 |
| Date of Major Property Data: | 11/2005 |
| Date of Landmark Data: | 12/2005 |
| Date of Base Map Data: | 01/2006 |
| Date of Mass Appraisal Data: | 11/2005 |
| Date of Political and Adm Data: | 08/2005 |
| Pluto-Base Map Indicator: | 1 |

| | |
|---|---|
| Tax Lot(s): | 220 |
| E-No: | E-189 |
| Effective Date: | 1/9/2008 |
| Satisfaction Date: | Not reported |
| Ceqr Number: | 06DCP062X |
| Ulurp Number: | 060320ZMX |
| Zoning Map No: | 3c |
| Description: | Window Wall Attenuation & Alternate Ventilation |
| Borough Code: | BX |
| Community District: | 207 |
| Census Tract: | 269 |
| Census Block: | 2001 |
| School District: | 10 |
| City Council District: | 14 |
| Fire Company: | E081 |
| Health Area: | 21 |
| Police Precinct: | 052 |
| Zone District 1: | R6 |

**LOT 220,TAXBLOCK 3236 (Continued)** **S108983130**

| | |
|---|---|
| Zone District 2: | Not reported |
| Commercial Overlay1: | C2-4 |
| Commercial Overlay2: | Not reported |
| Special Purpose District1: | Not reported |
| Special Purpose District2: | Not reported |
| All Components1: | C2-4/R6 |
| All Components2: | Not reported |
| Split Boundary Indicator: | N |
| Building Class: | G6 |
| Land Use Category: | 10 |
| Number of Easements: | 0 |
| Owner, Type of Code: | P |
| Owner Name: | GASETERIA OIL CORP. |
| Lot Area: | 000012978 |
| Total Building Floor Area: | 00000001688 |
| Commercial Floor Area: | 00000001688 |
| Office Floor Area: | 00000000000 |
| Retail Floor Area: | 00000000000 |
| Garage Floor Area: | 00000001688 |
| Storage Floor Area: | 00000000000 |
| Factory Floor Area: | 00000000000 |
| Other Floor Area: | 00000000000 |
| Floor Area,Total Bld Source Code: | 7 |
| Number of Buildings: | 00001 |
| Number of Floors: | 001.00 |
| Residential Units: | 00000 |
| Non and Residential Units: | 00001 |
| Lot Frontage: | 0181.00 |
| Lot Depth: | 0070.00 |
| Building Frontage: | 0040.00 |
| Building Depth: | 0025.00 |
| Proximity Code: | 1 |
| Irregular Lot Code: | Y |
| Lot Type: | 5 |
| Basement Type Grade: | 5 |
| Land Assessed Value: | 00000059850 |
| Total Assessed Value: | 00000088200 |
| Land Exempt Value: | 00000000000 |
| Total Exempt Value: | 00000000000 |
| Year Built: | 1920 |
| Year Built Code: | Not reported |
| Year Altered1: | 0000 |
| Year Altered2: | 0000 |
| Historic District Name: | Not reported |
| Landmark Name: | Not reported |
| Built Floor Area Ratio-Far: | 0000.13 |
| Maximum Allowable Far: | 02.43 |
| Borough Code: | 2 |
| Borough Tax Block And Lot: | 2032360220 |
| Condominium Number: | 00000 |
| Census Tract 2: | 0269 |
| X Coordinate: | 1009172 |
| Y Coordinate: | 0253550 |
| Zoning Map: | 03C |
| Sanborn Map: | 214 028 |
| Tax Map: | 21111 |
| E Designation No: | Not reported |

**LOT 220,TAXBLOCK 3236 (Continued)** **S108983130**

| | |
|---|---|
| Date of RPAD Data: | 11/2005 |
| Date of DCAS Data: | 01/2006 |
| Date of Zoning Data: | 11/2005 |
| Date of Major Property Data: | 11/2005 |
| Date of Landmark Data: | 12/2005 |
| Date of Base Map Data: | 01/2006 |
| Date of Mass Appraisal Data: | 11/2005 |
| Date of Political and Adm Data: | 08/2005 |
| Pluto-Base Map Indicator: | 1 |

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**B7 ESE < 1/8 0.036 mi. 189 ft.** | **CONSOLIDATED EDISON FORDHAM RD & LANDING BRONX, NY** | **NY MANIFEST** | **1009241362 N/A**

**Site 4 of 9 in cluster B**

**Relative: Higher**

**Actual: 87 ft.**

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYP004097929 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | CONSOLIDATED EDISON |
| Contact: | FRANKLIN MURRAY |
| Address: | 4 IRVING PLACE RM 828 |
| City/State/Zip: | NEW YORK, NY 10003 |
| Country: | USA |
| Phone: | 212-460-2808 |

Manifest:

| | |
|---|---|
| Document ID: | NYE0627543 |
| Manifest Status: | Not reported |
| Trans1 State ID: | 17741AV |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 04/27/2002 |
| Trans1 Recv Date: | 04/27/2002 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 04/29/2002 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004097929 |
| Trans1 EPA ID: | NYD006982359 |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NYD077444263 |
| Waste Code: | B007 - OTHER MISCELLANEOUS PCB WASTES |
| Quantity: | 00036 |
| Units: | K - Kilograms (2.2 pounds) |
| Number of Containers: | 001 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | L Landfill. |
| Specific Gravity: | 01.00 |
| Year: | 2002 |

**B8**
**SSE**
**< 1/8**
**0.037 mi.**
**194 ft.**

**248 W FORDHAM RD**
**BRONX, NY 10468**

**Site 5 of 9 in cluster B**

**EDR US Hist Auto Stat** **1015360778**
**N/A**

**Relative:**
**Higher**

**Actual:**
**77 ft.**

EDR Historical Auto Stations:

Name: 248 WEST FORDHAM AUTO SOUND INC
Year: 2003
Address: 248 W FORDHAM RD

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**B9**
**SSE**
**< 1/8**
**0.042 mi.**
**220 ft.**

**254 W FORDHAM RD**
**BRONX, NY 10468**

**Site 6 of 9 in cluster B**

**EDR US Hist Auto Stat** **1015367327**
**N/A**

**Relative:**
**Higher**

**Actual:**
**77 ft.**

EDR Historical Auto Stations:

Name: SEAMAN MECHANICAL SERVICE INC
Year: 2001
Address: 254 W FORDHAM RD

Name: SEAMAN MECHANICAL SERVICE INC
Year: 2002
Address: 254 W FORDHAM RD

Name: SEAMAN MECHANICAL SERVICE INC
Year: 2004
Address: 254 W FORDHAM RD

Name: SEAMAN MECHANICAL SERVICE INC
Year: 2005
Address: 254 W FORDHAM RD

Name: SEAMAN MECHANICAL SERVICE INC
Year: 2006
Address: 254 W FORDHAM RD

Name: SEAMAN MECHANICAL SERVICE INC
Year: 2007
Address: 254 W FORDHAM RD

Name: SEAMAN MECHANICAL SERVICE INC
Year: 2008
Address: 254 W FORDHAM RD

Name: SEAMAN AUTO REPAIR
Year: 2009
Address: 254 W FORDHAM RD

Name: SEAMAN AUTO REPAIR
Year: 2010
Address: 254 W FORDHAM RD

Name: SEAMAN MECHANICAL SERVICE INC
Year: 2011
Address: 254 W FORDHAM RD

Name: SEAMAN MECHANICAL SERVICE INC
Year: 2012

**(Continued)** **1015367327**

Address: 254 W FORDHAM RD

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**B10 East < 1/8 0.054 mi. 286 ft.** | **208 FORDHAM ASSC** | **NY AST** | **A100173510**
**208 WEST FORDHAM ROAD** | **N/A**
**BRONX, NY 10468**

**Site 7 of 9 in cluster B**

**Relative: Higher**

**Actual: 97 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-602909 |
| Program Type: | PBS |
| UTM X: | 591928.15787999996 |
| UTM Y: | 4524094.2242000001 |
| Expiration Date: | 03/10/2016 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 24864 |
| Affiliation Type: | Mail Contact |
| Company Name: | 208 FORDHAM ASSC, LLC |
| Contact Type: | Not reported |
| Contact Name: | MARK NEIMAN |
| Address1: | 153 MARCY AVE |
| Address2: | APT 8H |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10452 |
| Country Code: | 001 |
| Phone: | (718) 299-9700 |
| EMail: | APTMGMT2@GMAIL.COM |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 7/31/2013 |

| | |
|---|---|
| Site Id: | 24864 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 208 FORDHAM ASSC |
| Contact Type: | Not reported |
| Contact Name: | VICTOR MARTINEZ |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (347) 758-3566 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 7/31/2013 |

| | |
|---|---|
| Site Id: | 24864 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 208 FORDHAM ASSC |
| Contact Type: | Not reported |

**208 FORDHAM ASSC (Continued)** **A100173510**

| | |
|---|---|
| Contact Name: | VICTOR MARTINEZ |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (347) 758-3566 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 7/31/2013 |

| | |
|---|---|
| Site Id: | 24864 |
| Affiliation Type: | Facility Owner |
| Company Name: | 208 FORDHAM ASSC |
| Contact Type: | MGR |
| Contact Name: | MARK NEIMAN |
| Address1: | PO BOX 632 |
| Address2: | Not reported |
| City: | JACKSON |
| State: | NJ |
| Zip Code: | 08527 |
| Country Code: | 001 |
| Phone: | (718) 299-9700 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 7/31/2013 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 52046 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

B00 - Tank External Protection - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
J00 - Dispenser - None
L00 - Piping Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | Not reported |

**208 FORDHAM ASSC (Continued)** **A100173510**

| | |
|---|---|
| Capacity Gallons: | 3000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 07/31/2013 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

---

**C11** **DIST TECH** **RCRA NonGen / NLR** **1014926118**
**SSW** **265 W FORDHAM RD** **NYP000967927**
**< 1/8** **BRONX, NY 10454**
**0.058 mi.**
**306 ft.** **Site 1 of 16 in cluster C**

**Relative:**
**Higher**

**Actual:**
**67 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date form received by agency: | 12/01/2011 |
| Facility name: | DIST TECH |
| Facility address: | 265 W FORDHAM RD<br>BRONX, NY 10454 |
| EPA ID: | NYP000967927 |
| Mailing address: | MT PLESANT NW<br>NORTH CANTON, OH 44720 |
| Contact: | WILLIAM JR J SKOMROCK |
| Contact address: | MT PLESANT NW<br>NORTH CANTON, OH 44720 |
| Contact country: | US |
| Contact telephone: | Not reported |
| Contact email: | Not reported |
| EPA Region: | 02 |
| Classification: | Non-Generator |
| Description: | Handler: Non-Generators do not presently generate hazardous waste |

Handler Activities Summary:

| | |
|---|---|
| U.S. importer of hazardous waste: | No |
| Mixed waste (haz. and radioactive): | No |
| Recycler of hazardous waste: | No |
| Transporter of hazardous waste: | No |
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |
| Used oil fuel burner: | No |
| Used oil processor: | No |
| User oil refiner: | No |
| Used oil fuel marketer to burner: | No |
| Used oil Specification marketer: | No |
| Used oil transfer facility: | No |
| Used oil transporter: | No |

Historical Generators:

| | |
|---|---|
| Date form received by agency: | 11/14/2011 |
| Site name: | DIST TECH |
| Classification: | Conditionally Exempt Small Quantity Generator |
| Violation Status: | No violations found |

**C12 SW < 1/8 0.062 mi. 326 ft.** | **DALE OLDSMOBILE 281 FORDHAM RD BRONX, NY 10467** | **RCRA NonGen / NLR FINDS** | **1000197852 NYD011975349**

**Site 2 of 16 in cluster C**

**Relative: Higher**

**Actual: 56 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date form received by agency: | 01/01/2007 |
| Facility name: | DALE OLDSMOBILE |
| Facility address: | 281 FORDHAM RD<br>BRONX, NY 10467 |
| EPA ID: | NYD011975349 |
| Mailing address: | FORDHAM RD<br>BRONX, NY 10467 |
| Contact: | Not reported |
| Contact address: | FORDHAM RD<br>BRONX, NY 10467 |
| Contact country: | US |
| Contact telephone: | Not reported |
| Contact email: | Not reported |
| EPA Region: | 02 |
| Classification: | Non-Generator |
| Description: | Handler: Non-Generators do not presently generate hazardous waste |

Owner/Operator Summary:

| | |
|---|---|
| Owner/operator name: | MARK ROSENSTOCK |
| Owner/operator address: | NOT REQUIRED<br>NOT REQUIRED, WY 99999 |
| Owner/operator country: | US |
| Owner/operator telephone: | (212) 555-1212 |
| Legal status: | Private |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | Not reported |
| Owner/Op end date: | Not reported |

| | |
|---|---|
| Owner/operator name: | MARK ROSENSTOCK |
| Owner/operator address: | NOT REQUIRED<br>NOT REQUIRED, WY 99999 |
| Owner/operator country: | US |
| Owner/operator telephone: | (212) 555-1212 |
| Legal status: | Private |
| Owner/Operator Type: | Operator |
| Owner/Op start date: | Not reported |
| Owner/Op end date: | Not reported |

Handler Activities Summary:

| | |
|---|---|
| U.S. importer of hazardous waste: | No |
| Mixed waste (haz. and radioactive): | No |
| Recycler of hazardous waste: | No |
| Transporter of hazardous waste: | No |
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |
| Used oil fuel burner: | No |
| Used oil processor: | No |
| User oil refiner: | No |
| Used oil fuel marketer to burner: | No |

**DALE OLDSMOBILE (Continued)** **1000197852**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: DALE OLDSMOBILE
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: DALE OLDSMOBILE
Classification: Not a generator, verified

Date form received by agency: 11/17/1986
Site name: DALE OLDSMOBILE
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004343871

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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**C13**
**SW**
**< 1/8**
**0.065 mi.**
**342 ft.**

**Relative:**
**Higher**

**Actual:**
**56 ft.**

**CON EDISON** **RCRA-CESQG** **1012185114**
**CEDAR AVE & FORDHAM RD** **NYP004159166**
**BRONX, NY 10458**

**Site 3 of 16 in cluster C**

RCRA-CESQG:
Date form received by agency: 06/14/2008
Facility name: CON EDISON
Facility address: CEDAR AVE & FORDHAM RD
BRONX, NY 10458
EPA ID: NYP004159166
Mailing address: 4 IRVING PL, RM 828
NEW YORK, NY 10003
Contact: HERMAN BAKER
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (718) 267-3853
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous

**CON EDISON (Continued)** **1012185114**

waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

| | |
|---|---|
| U.S. importer of hazardous waste: | No |
| Mixed waste (haz. and radioactive): | No |
| Recycler of hazardous waste: | No |
| Transporter of hazardous waste: | No |
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |
| Used oil fuel burner: | No |
| Used oil processor: | No |
| User oil refiner: | No |
| Used oil fuel marketer to burner: | No |
| Used oil Specification marketer: | No |
| Used oil transfer facility: | No |
| Used oil transporter: | No |

Violation Status: No violations found

---

**C14** **CONSOLIDATED EDISON** **NY MANIFEST** **S109155634**
**SW** **CEDAR AVE & FORDHAM RD M.H. 23033** **N/A**
**< 1/8** **BRONX, NY**
**0.065 mi.**
**342 ft.** **Site 4 of 16 in cluster C**

**Relative:**
**Higher**

**Actual:**
**56 ft.**

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYP004159166 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | CONSOLIDATED EDISON |
| Contact: | FRANKLYN MURRAY |
| Address: | 4 IRVING PLACE RM 828 |
| City/State/Zip: | NEW YORK, NY 10003 |
| Country: | USA |
| Phone: | 212-460-2808 |

Manifest:

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NYD006982359 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 06/15/2008 |
| Trans1 Recv Date: | 06/15/2008 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 06/16/2008 |

**CONSOLIDATED EDISON (Continued)** **S109155634**

| | |
|---|---|
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004159166 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NYD077444263 |
| Waste Code: | Not reported |
| Quantity: | 150.0 |
| Units: | K - Kilograms (2.2 pounds) |
| Number of Containers: | 2.0 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | L Landfill. |
| Specific Gravity: | 1.0 |
| Year: | 2008 |
| Manifest Tracking Num: | 001450679FLE |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H141 |

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NYD006982359 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 06/18/2008 |
| Trans1 Recv Date: | 06/18/2008 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 06/19/2008 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004159166 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NYD077444263 |
| Waste Code: | Not reported |
| Quantity: | 50.0 |
| Units: | K - Kilograms (2.2 pounds) |
| Number of Containers: | 1.0 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | L Landfill. |
| Specific Gravity: | 1.0 |
| Year: | 2008 |
| Manifest Tracking Num: | 001450683FLE |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |

**CONSOLIDATED EDISON (Continued)** **S109155634**

| | |
|---|---|
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H141 |

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NYD006982359 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 06/18/2008 |
| Trans1 Recv Date: | 06/18/2008 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 06/19/2008 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004159166 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NYD077444263 |
| Waste Code: | Not reported |
| Quantity: | 100.0 |
| Units: | K - Kilograms (2.2 pounds) |
| Number of Containers: | 2.0 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | L Landfill. |
| Specific Gravity: | 1.0 |
| Year: | 2008 |
| Manifest Tracking Num: | 001450683FLE |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H141 |

---

**C15** **VAULT #900** **NY Spills** **S106867263**
**SW** **FORDHAM RD/CEDAR RD** **N/A**
**< 1/8** **BRONX, NY**
**0.066 mi.**
**350 ft.** **Site 5 of 16 in cluster C**

**Relative:**
**Higher**

**Actual:**
**57 ft.**

SPILLS:

| | |
|---|---|
| Facility ID: | 0413128 |
| Facility Type: | ER |
| DER Facility ID: | 285597 |
| Site ID: | 338977 |
| DEC Region: | 2 |
| Spill Date: | 3/16/2005 |
| Spill Number/Closed Date: | 0413128 / 6/22/2005 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. |

**VAULT #900 (Continued)** **S106867263**

| | |
|---|---|
| | Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | SKARAKHA |
| Referred To: | Not reported |
| Reported to Dept: | 3/16/2005 |
| CID: | 64 |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/17/2005 |
| Spill Record Last Update: | 6/22/2005 |
| Spiller Name: | ERT DESK |
| Spiller Company: | CON ED |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | NY |
| Spiller Company: | 999 |
| Contact Name: | ERT DESK |
| Contact Phone: | (212) 580-8383 |
| DEC Memo: | e2mis no 15763216-Mar-2005 03:48hrs.FOD field Op. A. Martucci discovered approximately 3 gallons of oil on 100 gallons of water. No sewers, waterways or private property affected. ENv. tag 43787 placed in vault. Chain of custody DD13465 tracking a PCB sample. Clean up will be scheduled at 1500hrs pending sample test results.16-Mar-2005 20:55hrs.Env. Flush Mech O. Negron 18400 reports partial cleanup completed. Unit is leaking. Fdr Control verifies unit and three sections of cable will be replaced. Once feeder is Live, end capped and setions and vault are isolated, I&A will schedule a removal of the unit with a complete cleanup. CFS tanker took on 100 gallons of liquid for transport and disposal at the Astoria WWTF. Env. vactor took on 85 lbs. of flush debris for transport and disposal at the hellgate flush facility. Env. tag 43787 remains in place. 28-Mar-2005 07:21Lab Sequence Number: 05-02340-001TOTAL PCB 29 ppm29-Mar-2005 15:45 D. Rohrer 12788Flush Mech T. Brown 44432 reports cleanup complete performing a double wash and rinse removing 300 lbs of flush solid debris to be brought to Hellgate Pit for temporary disposal. CFS tanker removed 296 gallons of non-hazardous liquid to be brought to Astoria WWTF. Env tag 43787 was removed and the source of the oil was the transformer which was removed from the structure. |
| Remarks: | Transformer possibly still leaking. Spill was on 100 gallons of water. Spill is contained. Coming off 24 hour program. Con-Ed #157632 |

Material:

| | |
|---|---|
| Site ID: | 338977 |
| Operable Unit ID: | 1100896 |
| Operable Unit: | 01 |
| Material ID: | 581027 |
| Material Code: | 0020A |
| Material Name: | TRANSFORMER OIL |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 3 |
| Units: | Gallons |

**VAULT #900 (Continued)** **S106867263**

Recovered: 2
Resource Affected: Not reported
Oxygenate: False

Tank Test:

---

**B16 ESE < 1/8 0.069 mi. 366 ft.** **2285 SEDGWICK REALTY CORP** **NY AST** **U003388986**
**2285 SEDGWICK AVENUE** **NY HIST AST** **N/A**
**BRONX, NY 10468**

**Site 8 of 9 in cluster B**

**Relative: Higher**

**Actual: 107 ft.**

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-256862
Program Type: PBS
UTM X: 591857.63222999999
UTM Y: 4523941.2163899997
Expiration Date: 11/23/2014
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 10564
Affiliation Type: Mail Contact
Company Name: WILDER REALTY LLC
Contact Type: Not reported
Contact Name: STEVE HACKEL
Address1: 79 RIVINGTON STREET (STORE)
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10002
Country Code: 001
Phone: (646) 289-8688
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 2/28/2014

Site Id: 10564
Affiliation Type: On-Site Operator
Company Name: BNH IV LLC
Contact Type: Not reported
Contact Name: EPIFANO MARTINEZ
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (646) 271-4015
EMail: Not reported
Fax Number: Not reported
Modified By: BVCAMPBE
Date Last Modified: 7/6/2010

**2285 SEDGWICK REALTY CORP (Continued)** **U003388986**

| | |
|---|---|
| Site Id: | 10564 |
| Affiliation Type: | Emergency Contact |
| Company Name: | BNH IV LLC |
| Contact Type: | Not reported |
| Contact Name: | STEVE HACKEL |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (646) 289-8688 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 7/6/2010 |

| | |
|---|---|
| Site Id: | 10564 |
| Affiliation Type: | Facility Owner |
| Company Name: | BNH IV LLC |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 79 RIVINGTON ST. STORE |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10002 |
| Country Code: | 001 |
| Phone: | (646) 289-8688 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 2/28/2014 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 15011 |
| Material Code: | 0012 |
| Common Name of Substance: | Kerosene [#1 Fuel Oil] (On-Site Consumption) |

Equipment Records:

H00 - Tank Leak Detection - None
I01 - Overfill - Float Vent Valve
E00 - Piping Secondary Containment - None
C01 - Pipe Location - Aboveground
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
G00 - Tank Secondary Containment - None
K00 - Spill Prevention - None
B00 - Tank External Protection - None
F00 - Pipe External Protection - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |

**2285 SEDGWICK REALTY CORP (Continued)** **U003388986**

| | |
|---|---|
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/12/1989 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | BVCAMPBE |
| Last Modified: | 07/06/2010 |
| Material Name: | Kerosene [#1 Fuel Oil] (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-256862 |
| SWIS Code: | 6001 |
| Operator: | JUAN ROMERO |
| Facility Phone: | (718) 392-8266 |
| Facility Addr2: | 2285 SEDGWICK AVE |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | ANTONIO ROMERO |
| Emergency Tel: | (718) 367-9072 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | 2285 SEDGWICK REALTY CORP |
| Owner Address: | P.O. BOX 4343 |
| Owner City,St,Zip: | SUNNYSIDE, NY 11104 |
| Federal ID: | Not reported |
| Owner Tel: | (718) 392-8266 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | Not reported |
| Mailing Name: | 2285 SEDGWICK REALTY CORP |
| Mailing Address: | 47-43 45TH STREET |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | WOODSIDE, NY 11377 |
| Mailing Telephone: | (718) 392-8266 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 02/02/2001 |
| Expiration: | 09/19/2002 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 5000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | No Missing Data |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |

**2285 SEDGWICK REALTY CORP (Continued)** **U003388986**

| | |
|---|---|
| Town or City Code: | 01 |
| Region: | 2 |
| | |
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 5000 |
| Product Stored: | KEROSENE |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | 0 |
| Tank External: | 00 |
| Pipe Location: | Aboveground |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | None |
| Pipe External: | 00 |
| Tank Containment: | None |
| Leak Detection: | 00 |
| Overfill Protection: | 01 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | No Missing Data |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**C17** **B P PRODUCTS NORTH AMERICA FAC #48369** **RCRA-SQG** **1000253412**
**SW** **296 W FORDHAM RD** **FINDS** **NYD982279101**
**< 1/8** **BRONX, NY** **NY LTANKS**
**0.070 mi.** **NJ MANIFEST**
**367 ft.** **Site 6 of 16 in cluster C** **NY MANIFEST**

**Relative:**
**Higher**

**Actual:**
**57 ft.**

RCRA-SQG:

| | |
|---|---|
| Date form received by agency: | 01/01/2007 |
| Facility name: | B P PRODUCTS NORTH AMERICA FAC #48369 |
| Facility address: | 296 W FORDHAM RD<br>BRONX, NY 10468 |
| EPA ID: | NYD982279101 |
| Mailing address: | PO BOX 6038<br>ARTESIA, CA 907026038 |
| Contact: | PAULA SKRYJA |
| Contact address: | PO BOX 6038<br>ARTESIA, CA 907026038 |
| Contact country: | US |
| Contact telephone: | (410) 551-6074 |
| Contact email: | Not reported |
| EPA Region: | 02 |
| Classification: | Small Small Quantity Generator |
| Description: | Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time |

**B P PRODUCTS NORTH AMERICA FAC #48369 (Continued)** **1000253412**

Owner/Operator Summary:

| | |
|---|---|
| Owner/operator name: | NO NAME FOUND |
| Owner/operator address: | Not reported |
| | Not reported |
| Owner/operator country: | US |
| Owner/operator telephone: | Not reported |
| Legal status: | Private |
| Owner/Operator Type: | Operator |
| Owner/Op start date: | 09/03/2002 |
| Owner/Op end date: | Not reported |

| | |
|---|---|
| Owner/operator name: | NO NAME FOUND |
| Owner/operator address: | Not reported |
| | Not reported |
| Owner/operator country: | US |
| Owner/operator telephone: | Not reported |
| Legal status: | Private |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | 09/03/2002 |
| Owner/Op end date: | Not reported |

Handler Activities Summary:

| | |
|---|---|
| U.S. importer of hazardous waste: | No |
| Mixed waste (haz. and radioactive): | No |
| Recycler of hazardous waste: | No |
| Transporter of hazardous waste: | No |
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |
| Used oil fuel burner: | No |
| Used oil processor: | No |
| User oil refiner: | No |
| Used oil fuel marketer to burner: | No |
| Used oil Specification marketer: | No |
| Used oil transfer facility: | No |
| Used oil transporter: | No |

Historical Generators:

| | |
|---|---|
| Date form received by agency: | 01/01/2006 |
| Site name: | B P PRODUCTS NORTH AMERICA FAC #48369 |
| Classification: | Conditionally Exempt Small Quantity Generator |

| | |
|---|---|
| Date form received by agency: | 04/04/2005 |
| Site name: | B P PRODUCTS NORTH AMERICA FAC #48369 |
| Classification: | Conditionally Exempt Small Quantity Generator |

| | |
|---|---|
| Date form received by agency: | 04/25/1995 |
| Site name: | MOBIL OIL CORP |
| Classification: | Not a generator, verified |

| | |
|---|---|
| Date form received by agency: | 11/12/1987 |
| Site name: | MOBIL OIL CORP |
| Classification: | Large Quantity Generator |

Violation Status: No violations found

**B P PRODUCTS NORTH AMERICA FAC #48369 (Continued)** **1000253412**

FINDS:

Registry ID: 110004419497

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LTANKS:

| | |
|---|---|
| Site ID: | 165564 |
| Spill Number/Closed Date: | 8701258 / 1/1/1991 |
| Spill Date: | 5/14/1987 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Gasoline Station |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | 1/1/1991 |
| Cleanup Meets Standard: | True |
| SWIS: | 0301 |
| Investigator: | BATTISTA |
| Referred To: | Not reported |
| Reported to Dept: | 5/14/1987 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 5/19/1987 |
| Spill Record Last Update: | 4/21/2010 |
| Spiller Name: | Not reported |
| Spiller Company: | MOBIL |
| Spiller Address: | 464 DOUGHTY BIVD. |
| Spiller City,St,Zip: | INWOOD, ZZ |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 139546 |
| DEC Memo: | Not reported |
| Remarks: | 1-4000 GALLON TANK HAD A LEAK RATE OF 10GAL/HR. - 5-550GAL. TANKS COULD NOT HOLD PRESSURE. |

Material:

| | |
|---|---|
| Site ID: | 165564 |
| Operable Unit ID: | 905731 |
| Operable Unit: | 01 |
| Material ID: | 471205 |
| Material Code: | 0009 |

**B P PRODUCTS NORTH AMERICA FAC #48369 (Continued)** **1000253412**

| | |
|---|---|
| Material Name: | Gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | -1 |
| Units: | Not reported |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 165564 |
| Spill Tank Test: | 1530823 |
| Tank Number: | Not reported |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |

NJ MANIFEST:

| | |
|---|---|
| EPA Id: | NYD982279101 |
| Mail Address: | P.O. BOX 80249 |
| Mail City/State/Zip: | RANCHO SANTA MA 92688 |
| Facility Phone: | 9494605200 |
| Emergency Phone: | Not reported |
| Contact: | FRANK LOBELLO |
| Comments: | Not reported |
| SIC Code: | Not reported |
| County: | 00 |
| Municipal: | 00 |
| Previous EPA Id: | Not reported |
| Gen Flag: | X |
| Trans Flag: | Not reported |
| TSDF Flag: | Not reported |
| Name Change: | Not reported |
| Date Change: | Not reported |

Manifest:

| | |
|---|---|
| Manifest Number: | NJA5246494 |
| EPA ID: | NYD982279101 |
| Date Shipped: | 12/01/2005 |
| TSDF EPA ID: | NJD991291105 |
| Transporter EPA ID: | NJR000023036 |
| Transporter 2 EPA ID: | Not reported |
| Transporter 3 EPA ID: | Not reported |
| Transporter 4 EPA ID: | Not reported |
| Transporter 5 EPA ID: | Not reported |
| Transporter 6 EPA ID: | Not reported |
| Transporter 7 EPA ID: | Not reported |
| Transporter 8 EPA ID: | Not reported |
| Transporter 10 EPA ID: | Not reported |
| Date Trans1 Transported Waste: | 12/01/2005 |
| Date Trans2 Transported Waste: | Not reported |
| Date Trans3 Transported Waste: | Not reported |

**B P PRODUCTS NORTH AMERICA FAC #48369 (Continued)** **1000253412**

| | |
|---|---|
| Date Trans4 Transported Waste: | Not reported |
| Date Trans5 Transported Waste: | Not reported |
| Date Trans6 Transported Waste: | Not reported |
| Date Trans7 Transported Waste: | Not reported |
| Date Trans8 Transported Waste: | Not reported |
| Date Trans9 Transported Waste: | Not reported |
| Date Trans10 Transported Waste: | Not reported |
| Date TSDF Received Waste: | 12/01/2005 |
| TSDF EPA Facility Name: | Not reported |
| QTY Units: | Not reported |
| Transporter SEQ ID: | Not reported |
| Transporter-1 Date: | Not reported |
| Waste SEQ ID: | Not reported |
| Waste Type Code 2: | Not reported |
| Waste Type Code 3: | Not reported |
| Waste Type Code 4: | Not reported |
| Waste Type Code 5: | Not reported |
| Waste Type Code 6: | Not reported |
| Date Accepted: | Not reported |
| Manifest Discrepancy Type: | Not reported |
| Data Entry Number: | 02210622 |
| Was Load Rejected: | RANCHO SANTA MA 92688 |
| Reason Load Was Rejected: | Not reported |

| | |
|---|---|
| Manifest Number: | NJA5246455 |
| EPA ID: | NYD982279101 |
| Date Shipped: | 08/30/2005 |
| TSDF EPA ID: | NJD991291105 |
| Transporter EPA ID: | NJR000023036 |
| Transporter 2 EPA ID: | Not reported |
| Transporter 3 EPA ID: | Not reported |
| Transporter 4 EPA ID: | Not reported |
| Transporter 5 EPA ID: | Not reported |
| Transporter 6 EPA ID: | Not reported |
| Transporter 7 EPA ID: | Not reported |
| Transporter 8 EPA ID: | Not reported |
| Transporter 10 EPA ID: | Not reported |
| Date Trans1 Transported Waste: | 08/30/2005 |
| Date Trans2 Transported Waste: | Not reported |
| Date Trans3 Transported Waste: | Not reported |
| Date Trans4 Transported Waste: | Not reported |
| Date Trans5 Transported Waste: | Not reported |
| Date Trans6 Transported Waste: | Not reported |
| Date Trans7 Transported Waste: | Not reported |
| Date Trans8 Transported Waste: | Not reported |
| Date Trans9 Transported Waste: | Not reported |
| Date Trans10 Transported Waste: | Not reported |
| Date TSDF Received Waste: | 08/30/2005 |
| TSDF EPA Facility Name: | Not reported |
| QTY Units: | Not reported |
| Transporter SEQ ID: | Not reported |
| Transporter-1 Date: | Not reported |
| Waste SEQ ID: | Not reported |
| Waste Type Code 2: | Not reported |
| Waste Type Code 3: | Not reported |
| Waste Type Code 4: | Not reported |
| Waste Type Code 5: | Not reported |

**B P PRODUCTS NORTH AMERICA FAC #48369 (Continued)** **1000253412**

| | |
|---|---|
| Waste Type Code 6: | Not reported |
| Date Accepted: | Not reported |
| Manifest Discrepancy Type: | Not reported |
| Data Entry Number: | 11230522 |
| Was Load Rejected: | RANCHO SANTA MA 92688 |
| Reason Load Was Rejected: | Not reported |

| | |
|---|---|
| Manifest Number: | NJA5246534 |
| EPA ID: | NYD982279101 |
| Date Shipped: | 03/01/2006 |
| TSDF EPA ID: | NJD991291105 |
| Transporter EPA ID: | NJR000023036 |
| Transporter 2 EPA ID: | Not reported |
| Transporter 3 EPA ID: | Not reported |
| Transporter 4 EPA ID: | Not reported |
| Transporter 5 EPA ID: | Not reported |
| Transporter 6 EPA ID: | Not reported |
| Transporter 7 EPA ID: | Not reported |
| Transporter 8 EPA ID: | Not reported |
| Transporter 10 EPA ID: | Not reported |
| Date Trans1 Transported Waste: | 03/01/2006 |
| Date Trans2 Transported Waste: | Not reported |
| Date Trans3 Transported Waste: | Not reported |
| Date Trans4 Transported Waste: | Not reported |
| Date Trans5 Transported Waste: | Not reported |
| Date Trans6 Transported Waste: | Not reported |
| Date Trans7 Transported Waste: | Not reported |
| Date Trans8 Transported Waste: | Not reported |
| Date Trans9 Transported Waste: | Not reported |
| Date Trans10 Transported Waste: | Not reported |
| Date TSDF Received Waste: | 03/01/2006 |
| TSDF EPA Facility Name: | Not reported |
| QTY Units: | Not reported |
| Transporter SEQ ID: | Not reported |
| Transporter-1 Date: | Not reported |
| Waste SEQ ID: | Not reported |
| Waste Type Code 2: | Not reported |
| Waste Type Code 3: | Not reported |
| Waste Type Code 4: | Not reported |
| Waste Type Code 5: | Not reported |
| Waste Type Code 6: | Not reported |
| Date Accepted: | Not reported |
| Manifest Discrepancy Type: | Not reported |
| Data Entry Number: | 05030621 |
| Was Load Rejected: | RANCHO SANTA MA 92688 |
| Reason Load Was Rejected: | Not reported |

| | |
|---|---|
| Manifest Number: | NJA5246594 |
| EPA ID: | NYD982279101 |
| Date Shipped: | 05/30/2006 |
| TSDF EPA ID: | NJD991291105 |
| Transporter EPA ID: | NJR000023036 |
| Transporter 2 EPA ID: | Not reported |
| Transporter 3 EPA ID: | Not reported |
| Transporter 4 EPA ID: | Not reported |
| Transporter 5 EPA ID: | Not reported |
| Transporter 6 EPA ID: | Not reported |

**B P PRODUCTS NORTH AMERICA FAC #48369 (Continued)** **1000253412**

| | |
|---|---|
| Transporter 7 EPA ID: | Not reported |
| Transporter 8 EPA ID: | Not reported |
| Transporter 10 EPA ID: | Not reported |
| Date Trans1 Transported Waste: | 05/30/2006 |
| Date Trans2 Transported Waste: | Not reported |
| Date Trans3 Transported Waste: | Not reported |
| Date Trans4 Transported Waste: | Not reported |
| Date Trans5 Transported Waste: | Not reported |
| Date Trans6 Transported Waste: | Not reported |
| Date Trans7 Transported Waste: | Not reported |
| Date Trans8 Transported Waste: | Not reported |
| Date Trans9 Transported Waste: | Not reported |
| Date Trans10 Transported Waste: | Not reported |
| Date TSDF Received Waste: | 05/30/2006 |
| TSDF EPA Facility Name: | Not reported |
| QTY Units: | Not reported |
| Transporter SEQ ID: | Not reported |
| Transporter-1 Date: | Not reported |
| Waste SEQ ID: | Not reported |
| Waste Type Code 2: | Not reported |
| Waste Type Code 3: | Not reported |
| Waste Type Code 4: | Not reported |
| Waste Type Code 5: | Not reported |
| Waste Type Code 6: | Not reported |
| Date Accepted: | Not reported |
| Manifest Discrepancy Type: | Not reported |
| Data Entry Number: | 07250622 |
| Was Load Rejected: | RANCHO SANTA MA 92688 |
| Reason Load Was Rejected: | Not reported |

| | |
|---|---|
| Manifest Number: | 001274677JJK |
| EPA ID: | NYD982279101 |
| Date Shipped: | 02/20/2008 |
| TSDF EPA ID: | NJD991291105 |
| Transporter EPA ID: | NJR000023036 |
| Transporter 2 EPA ID: | Not reported |
| Transporter 3 EPA ID: | Not reported |
| Transporter 4 EPA ID: | Not reported |
| Transporter 5 EPA ID: | Not reported |
| Transporter 6 EPA ID: | Not reported |
| Transporter 7 EPA ID: | Not reported |
| Transporter 8 EPA ID: | Not reported |
| Transporter 10 EPA ID: | Not reported |
| Date Trans1 Transported Waste: | 02/20/2008 |
| Date Trans2 Transported Waste: | Not reported |
| Date Trans3 Transported Waste: | Not reported |
| Date Trans4 Transported Waste: | Not reported |
| Date Trans5 Transported Waste: | Not reported |
| Date Trans6 Transported Waste: | Not reported |
| Date Trans7 Transported Waste: | Not reported |
| Date Trans8 Transported Waste: | Not reported |
| Date Trans9 Transported Waste: | Not reported |
| Date Trans10 Transported Waste: | Not reported |
| Date TSDF Received Waste: | 02/20/2008 |
| TSDF EPA Facility Name: | Not reported |
| QTY Units: | Not reported |
| Transporter SEQ ID: | Not reported |

**B P PRODUCTS NORTH AMERICA FAC #48369 (Continued)** **1000253412**

| | |
|---|---|
| Transporter-1 Date: | Not reported |
| Waste SEQ ID: | Not reported |
| Waste Type Code 2: | Not reported |
| Waste Type Code 3: | Not reported |
| Waste Type Code 4: | Not reported |
| Waste Type Code 5: | Not reported |
| Waste Type Code 6: | Not reported |
| Date Accepted: | Not reported |
| Manifest Discrepancy Type: | Not reported |
| Data Entry Number: | Not reported |
| Was Load Rejected: | RANCHO SANTA MA 92688 |
| Reason Load Was Rejected: | Not reported |

Waste:

| | |
|---|---|
| Manifest Year: | 2008 New Jersey Manifest Data |
| Waste Code: | D018 |
| Hand Code: | H141 |
| Quantity: | 200 P |

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYD982279101 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | AMOCO |
| Contact: | FRANK LOBELLO |
| Address: | PO BOX 80249 |
| City/State/Zip: | RANCHO SANTA MARGARITA, CA 92688 |
| Country: | USA |
| Phone: | 949-460-5200 |

Manifest:

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJR000023036 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 02/20/2008 |
| Trans1 Recv Date: | 02/20/2008 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 02/20/2008 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD982279101 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | Not reported |
| Quantity: | 200.0 |
| Units: | P - Pounds |
| Number of Containers: | 1.0 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 1.0 |

**B P PRODUCTS NORTH AMERICA FAC #48369 (Continued)** **1000253412**

| | |
|---|---|
| Year: | 2008 |
| Manifest Tracking Num: | 001274677JJK |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | Y |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H141 |

| | |
|---|---|
| Document ID: | NJA5246534 |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJR000023036 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 03/01/2006 |
| Trans1 Recv Date: | 03/01/2006 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 03/01/2006 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD982279101 |
| Trans1 EPA ID: | 56247 |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | D018 - BENZENE 0.5 MG/L TCLP |
| Quantity: | 00200 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 01.00 |
| Year: | 2006 |

| | |
|---|---|
| Document ID: | NJA5246594 |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJR000023036 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 05/30/2006 |
| Trans1 Recv Date: | 05/30/2006 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 05/30/2006 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD982279101 |
| Trans1 EPA ID: | 56247 |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | D018 - BENZENE 0.5 MG/L TCLP |
| Quantity: | 00200 |
| Units: | P - Pounds |
| Number of Containers: | 001 |

**B P PRODUCTS NORTH AMERICA FAC #48369 (Continued)** **1000253412**

| | |
|---|---|
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 01.00 |
| Year: | 2006 |

| | |
|---|---|
| Document ID: | NJA5246494 |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJR000023036 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 12/01/2005 |
| Trans1 Recv Date: | 12/01/2005 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 12/01/2005 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD982279101 |
| Trans1 EPA ID: | S6847 |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | D018 - BENZENE 0.5 MG/L TCLP |
| Quantity: | 00200 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 01.00 |
| Year: | 2005 |

| | |
|---|---|
| Document ID: | NJA5246455 |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJR000023036 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 08/30/2005 |
| Trans1 Recv Date: | 08/30/2005 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 08/30/2005 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD982279101 |
| Trans1 EPA ID: | 018780 |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | D018 - BENZENE 0.5 MG/L TCLP |
| Quantity: | 00200 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | L Landfill. |
| Specific Gravity: | 01.00 |
| Year: | 2005 |

**C18**
**SW**
**< 1/8**
**0.070 mi.**
**367 ft.**

**296 W FORDHAM RD**
**BRONX, NY 10468**

**Site 7 of 16 in cluster C**

**EDR US Hist Auto Stat** **1015396355**
**N/A**

**Relative:**
**Higher**

**Actual:**
**57 ft.**

EDR Historical Auto Stations:

| | |
|---|---|
| Name: | AMOCO OIL |
| Year: | 2007 |
| Address: | 296 W FORDHAM RD |
| Name: | B P AMOCO |
| Year: | 2010 |
| Address: | 296 W FORDHAM RD |

---

**C19**
**SW**
**< 1/8**
**0.070 mi.**
**367 ft.**

**MOBIL S/S 17-KLV BOYSIE SERVIC**
**296 W FORDHAM RD (MAJ. DEEGAN)**
**BRONX, NY 10468**

**Site 8 of 16 in cluster C**

**NY UST** **U000408088**
**N/A**

**Relative:**
**Higher**

**Actual:**
**57 ft.**

UST:

| | |
|---|---|
| Id/Status: | 2-156434 / Unregulated/Closed |
| Program Type: | PBS |
| Region: | STATE |
| DEC Region: | 2 |
| Expiration Date: | 10/29/1992 |
| UTM X: | 591607.99904000002 |
| UTM Y: | 4524048.4535299996 |
| Site Type: | Unknown |

Affiliation Records:

| | |
|---|---|
| Site Id: | 5124 |
| Affiliation Type: | Facility Owner |
| Company Name: | MOBIL OIL CORP;ATT:A.J.PRINGLE |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 3225 GALLOWS RD.; ENV.ENGINEER |
| Address2: | Not reported |
| City: | FAIRFAX |
| State: | VA |
| Zip Code: | 22037 |
| Country Code: | 001 |
| Phone: | (703) 849-5862 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 3/10/2010 |
| Site Id: | 5124 |
| Affiliation Type: | Mail Contact |
| Company Name: | MOBIL OIL CORP;ATT:A.J.PRINGLE |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 3225 GALLOWS RD.; ENV.ENGINEER |
| Address2: | Not reported |
| City: | FAIRFAX |
| State: | VA |
| Zip Code: | 22037 |
| Country Code: | 001 |

**MOBIL S/S 17-KLV BOYSIE SERVIC (Continued)** **U000408088**

| | |
|---|---|
| Phone: | (703) 849-5862 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 3/10/2010 |

| | |
|---|---|
| Site Id: | 5124 |
| Affiliation Type: | On-Site Operator |
| Company Name: | MOBIL S/S 17-KLV BOYSIE SERVIC |
| Contact Type: | Not reported |
| Contact Name: | B BEEPAT |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (212) 364-9785 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 5124 |
| Affiliation Type: | Emergency Contact |
| Company Name: | MOBIL OIL CORP;ATT:A.J.PRINGLE |
| Contact Type: | Not reported |
| Contact Name: | B BEEPAT |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (212) 364-9785 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank ID: | 29185 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 4000 |
| Install Date: | 12/01/1972 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |

| | |
|---|---|
| Tightness Test Method: | NN |
| Date Test: | Not reported |

**MOBIL S/S 17-KLV BOYSIE SERVIC (Continued)** **U000408088**

| | |
|---|---|
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None
I00 - Overfill - None
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Number: | 002 |
| Tank ID: | 29186 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 550 |
| Install Date: | 12/01/1961 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Number: | 003 |
| Tank ID: | 29187 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 550 |
| Install Date: | 12/01/1961 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |

**MOBIL S/S 17-KLV BOYSIE SERVIC (Continued)** **U000408088**

Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
H00 - Tank Leak Detection - None

Tank Number: 004
Tank ID: 29188
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 12/01/1961
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
H00 - Tank Leak Detection - None

Tank Number: 005
Tank ID: 29189
Tank Status: Closed - Removed

**MOBIL S/S 17-KLV BOYSIE SERVIC (Continued)** **U000408088**

| | |
|---|---|
| Material Name: | Closed - Removed |
| Capacity Gallons: | 550 |
| Install Date: | 12/01/1961 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Number: | 006 |
| Tank ID: | 29190 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 550 |
| Install Date: | 12/01/1961 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
B00 - Tank External Protection - None

**MOBIL S/S 17-KLV BOYSIE SERVIC (Continued)** **U000408088**

H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Number: | 007 |
| Tank ID: | 29191 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 550 |
| Install Date: | 12/01/1938 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Number: | 008 |
| Tank ID: | 29192 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 550 |
| Install Date: | 12/01/1928 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

**MOBIL S/S 17-KLV BOYSIE SERVIC (Continued)** **U000408088**

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Number: | 009 |
| Tank ID: | 29193 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 550 |
| Install Date: | 12/01/1928 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Number: | 010 |
| Tank ID: | 29194 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 550 |
| Install Date: | 12/01/1928 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 9999 |
| Common Name of Substance: | Other |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |

**MOBIL S/S 17-KLV BOYSIE SERVIC (Continued)** **U000408088**

Last Modified: 03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None
H00 - Tank Leak Detection - None

---

**C20** **GASETERIA** **NY LTANKS** **S100144828**
**SW** **296 WEST FORDHAM ROAD** **N/A**
**< 1/8** **BRONX, NY**
**0.070 mi.**
**367 ft.** **Site 9 of 16 in cluster C**

**Relative:**
**Higher**

**Actual:**
**57 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 239367 |
| Spill Number/Closed Date: | 8705665 / 12/5/2003 |
| Spill Date: | 10/5/1987 |
| Spill Cause: | Tank Failure |
| Spill Source: | Gasoline Station |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | DXSMITH |
| Referred To: | Not reported |
| Reported to Dept: | 10/6/1987 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Citizen |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 10/20/1987 |
| Spill Record Last Update: | 6/28/2005 |
| Spiller Name: | MIKE MEOLA |
| Spiller Company: | EXXONMOBIL CORPORATION |
| Spiller Address: | 464 DOUGHTY BLVD. |
| Spiller City,St,Zip: | INWOOD, NY 11096 |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 196875 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"reassigned from Sullivan to Sigona on 10/30/00.12/5/03-Vought-Reassigned from Sigona to Vought on 12/5/03. Spill closed by Vought due to open spill 0230030 at same location.Bureau B, unassigned, due to low priority. Transferred from R-2 on April 27, 2005. Formerly R-2, unassigned |
| Remarks: | TANK FAILURE- UNKNOWN FUEL OIL, TANK IS EMPTY, WILL BE REMOVED TODAY. |

**GASETERIA (Continued)** **S100144828**

Material:

| | |
|---|---|
| Site ID: | 239367 |
| Operable Unit ID: | 909485 |
| Operable Unit: | 01 |
| Material ID: | 468249 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 276740 |
| Spill Number/Closed Date: | 8701260 / 2/9/1998 |
| Spill Date: | 5/14/1987 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Unknown |
| Spill Class: | Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | SIGONA |
| Referred To: | Not reported |
| Reported to Dept: | 5/14/1987 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Responsible Party |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 5/19/1987 |
| Spill Record Last Update: | 7/1/2004 |
| Spiller Name: | MIKE MEOLA |
| Spiller Company: | EXXONMOBIL CORPORATION |
| Spiller Address: | 3025 GALLOS ROAD |
| Spiller City,St,Zip: | FAIRFAX, VA |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 224989 |
| DEC Memo: | Not reported |
| Remarks: | PRODUCT PUMPED OUT OF TANK. FURTHER INVESTMENT TO BE DONE BY MOBIL. |

Material:

| | |
|---|---|
| Site ID: | 276740 |
| Operable Unit ID: | 905735 |

**GASETERIA (Continued)** **S100144828**

| | |
|---|---|
| Operable Unit: | 01 |
| Material ID: | 471207 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 276740 |
| Spill Tank Test: | 1530824 |
| Tank Number: | Not reported |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |

| | |
|---|---|
| Site ID: | 280649 |
| Spill Number/Closed Date: | 0230030 / 7/26/2007 |
| Spill Date: | 2/7/2002 |
| Spill Cause: | Tank Failure |
| Spill Source: | Gasoline Station |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | 10/31/2006 |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | aaobliga |
| Referred To: | Not reported |
| Reported to Dept: | 2/7/2002 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 9/26/2002 |
| Spill Record Last Update: | 7/26/2007 |
| Spiller Name: | ROBERTO |
| Spiller Company: | GASETERIA |
| Spiller Address: | 364 MASPETH AVENUE |
| Spiller City,St,Zip: | BROOKLYN, NY - |
| Spiller County: | 001 |
| Spiller Contact: | ROBERTO |
| Spiller Phone: | (718) 782-4200 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 196875 |

**GASETERIA (Continued)** **S100144828**

DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"12/5/03-Vought-See also closed Spill #8705665.9/20/05 - oBLIGADO -Spill transferred from Vought to obligado12/5/05 - Obligado - File review. Baseline Assessment Report, Delta, 10/3/02. At time of assessment site was an active Gaseteria with 3 4000 gallon gasoline USTs and 1 4000 gallon diesel UST installed in 1989. Sensitiver receptor survey shows Harlem River located 375 ft west, no wells within 1 mile, Bronx Community college is located 375 ft to the southeast. 1 park 375 ft north. Commercial/residential buliding with basement 20 ft south. Ground water at 10 to 13 ft bgs and flows west. Soil is brown fine to coarse sand with gravel. Weathered rock from 7 to 11 ft bgs. Bedrock at between 2 and 11 ft. 4 soil borings advanced and 4 soil samples collected. Soil results show only one impact of 1720 ppb MTBE. 4 temporary ground water wells installed into bedrock. Ground Water results in ppb:(2/7/02)MW1 - 5.67 benzene, 33.2 toluene, 10.2 ethylbenzene, 158 xylenes, 876 MTBE, 207 BTEX, 1236 VOCsMW3 - 5.49 toluene, 11.5 xylenes, 20 BTEX, 436 MTBE, 478 VOCsMW4 - 2.52 benzene, 6.59 xylenes, 493 MTBE, 12 BTEX, 528 VOCsMW5 - 239 MTBERCRA Mettals - MW1 - 1800 ppb chromium, 7040 ppb barium, 2160 ppb lead(8/7/05)MW1 - 37.3 benzene, 292 MTBE, 39 BTEX, 335 VOCsMW3 - 239 L benzene, 10.5 toluene, 6.77 ethlybenzene, 5730 MTBE, 6020 VOCsMW4 - 19 benzene, 749 MTBE, 19 BTEX, 768 VOCsMW5 - 208 L MTBEUST Closure Report, AGS, January 2004. USTs, piping, dispensers removed Dec 03. Soil endpoint samples show now VOCS above SCOs. Some PAH exceedences. Ground water sample from excavation show 350 ppb benzene, 1300 ppb toluene, 200 ppb ethylbenzene, 1430 ppb xylenes, 21000 ppb MTBE, 3280 BTEX. EXcavated soil was used as backfill. Conclusions: "the operation of this site as a gasoline service station has caused impact to the subsurface soils to warrant further environmental site assessment or action. Upon completion of rebuild activities, AGS on behalf of Gaseteria will prepare a subsurface investigation workplan for NYSDEC approval which will outline additional field activities to investigate and delineate the detected contaminants."UST Closure Report Addendum, AGS, September 2004. Remaining product supply piping under the concrete to the pump islands were removed to facilitate replacment with new BP piping. 5 soil samples were collected from 4-6 inches below the trench bottom. 1 sample was collected from under each of the four removed pump islands and 1 sample from adjacent to the Kiosk. Soil Results in PPB:P3 piping - 3680 xyleneP4 piping - 2100 toluene, 300000 xylene, TOTAL VOCs : 977110P5 piping - 50000 toluene, 91000 ethylbenzene, 318000 xylenes, TOTAL VOCs : 1247000"The data set indicates very high VOCs; however, the lack of benzene and low MTBE relative to overall concentration is not typical of gasoline. The elevated level of napthalene may indicate diesel fuel; however, no corresponding SVOC's were detected". "Upon completion of the rebuillding activities AGS will prepare a Subsurface Investigation Work Plan".6/2/06 - Obligado - Reviewed subsurface investigation workplan. Proposes 4 monitoring wells to be installed into bedrock. 6/6/06 - Obligado - Sent email to Steve Muller approving workplan with minor adjustments to boring locations. Due date for summary report is 8/8/06.7/19/06 - Obligado - Meeting with Gaseteria, ASR, DEC on 7/19/06. Wells have been installed at the site. Gaseteria will submit a schedule for submission of work.9/12/06 - Obligado - Emailed multi-site stipulation agreement to Gaseteria on 9/8/06. Sent original on 9/12/06. Due date for ISR according to DEC approved Corrective Action schedule is 11/1/*06. 10/31/06 - Obligado - Multi Site Stipulation executed by Oliva on 10/31/0612/6/06 -

**GASETERIA (Continued)** **S100144828**

Obligado - Review ISR, submitted by ASR, dated 10/31/06. 3 monitoring wells installed. MW1 was to turbid for sampling. MW2 and MW3 were both nondetect. Recommended 2 additional monitoring wells. I sent an email to Steve Muller requiring Supplemental Investigation Workplan for additional monitoring wells and MW1 redevelopment submission by 1/6/07.2/7/07 - Obligado - Review SIWP. Proposes 2 additional wells in the sidwalk west of the site and redevelopment of MW1. Approve of workplan with modification to attempt to collect soil samples via HSA and split spoons prior to switching to air rotary.3/7/07 - Obligado - Sent sidewalk opening letter to Steve Muller.6/1/07 - Obligado - Received ISR via email.7/27/07 - Obligado - Final summary report submitted. 2 additional wells were installed west of down gradient of tankfield. During installation, 1 soil sample was collected for lab analysis, no VOCs detected in this sample. Ground water samples were collected. MW1 thorugh MW3 were all ND, MW4 and M5 had minor exceedences of TOGS. MW4 had 65 ppb total BTEX, MW5 had 42 total BTEX. The report requested closure due to low numbers. I had a meeting with JOe Sun to discuss this site. Agree to spill closure based on the following. 1) Relatively low concentrations, exceedences of TOGS for only 3-4 compounds in two wells. GW concentrations are significantly lower down those found in Delta baseline assessment, suggesting natural attenduation is occurring 2) No receptors immediately down gradient, immediately down gradient of the site is a major deegan expressway which is an 8 lane highway (including service roads). Downgradient of the highway, according to the ASR report are industrial/commercial buildings. 3) Sensitive receptor survey was previously completed by DElta in 2002. According to this survey, no potable wells within 1 mile. Nearest surface water body is harlem river, 375 ft west of the site. However, due to small size and very low concentrations of contamination in gw, plume eminating from this site most likely will not reach or impact this river. There is a residential building with basement to the south, however, southern most well MW1 was ND so plume does not pose a risk in this dieection. The Data from this site do not indicate potential adverse impacts to human health and the environment. This spill is closed. I emailed an NFA letter to Gaseteria.

Remarks: contaminated soil and groundwater found. Delta reported spill to DEC despite Gaseteria knowledge as of 8/5/2002.

Material:

| | |
|---|---|
| Site ID: | 280649 |
| Operable Unit ID: | 866812 |
| Operable Unit: | 01 |
| Material ID: | 509671 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

**C21 SW < 1/8 0.070 mi. 367 ft.** | **FORDHAM PETROLEUM, LLC**
**296 WEST FORDHAM ROAD**
**BRONX, NY 10468** | **NY UST** | **U000411250**
**N/A**

**Site 10 of 16 in cluster C**

**Relative: Higher**

**Actual: 57 ft.**

UST:

| | |
|---|---|
| Id/Status: | 2-480347 / Active |
| Program Type: | PBS |
| Region: | STATE |
| DEC Region: | 2 |
| Expiration Date: | 10/23/2018 |
| UTM X: | 591607.99904000002 |
| UTM Y: | 4524048.4535299996 |
| Site Type: | Retail Gasoline Sales |

Affiliation Records:

| | |
|---|---|
| Site Id: | 21429 |
| Affiliation Type: | Mail Contact |
| Company Name: | ATLANTIS MANAGEMENT GROUP II, LLC |
| Contact Type: | MEMBER |
| Contact Name: | JIMMY KOCHISARLI |
| Address1: | 555 S. COLUMBUS AVE., SUITE 201 |
| Address2: | Not reported |
| City: | MOUNT VERNON |
| State: | NY |
| Zip Code: | 10550 |
| Country Code: | 001 |
| Phone: | (914) 699-9500 |
| EMail: | JIMMY@ATLANTISMGMT.COM |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 9/3/2013 |

| | |
|---|---|
| Site Id: | 21429 |
| Affiliation Type: | On-Site Operator |
| Company Name: | FORDHAM PETROLEUM, LLC |
| Contact Type: | Not reported |
| Contact Name: | STATION MANAGER |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 365-5624 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | dxliving |
| Date Last Modified: | 1/5/2009 |

| | |
|---|---|
| Site Id: | 21429 |
| Affiliation Type: | Emergency Contact |
| Company Name: | ATLANTIS MANAGEMENT GROUP II, LLC |
| Contact Type: | Not reported |
| Contact Name: | ADAM TAHICIOGLU |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |

**FORDHAM PETROLEUM, LLC (Continued)** **U000411250**

| | |
|---|---|
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (914) 699-9500 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 9/3/2013 |

| | |
|---|---|
| Site Id: | 21429 |
| Affiliation Type: | Facility Owner |
| Company Name: | ATLANTIS MANAGEMENT GROUP II, LLC |
| Contact Type: | MEMBER |
| Contact Name: | JIMMY KOCHISARLI |
| Address1: | 555 S. COLUMBUS AVE., SUITE 201 |
| Address2: | Not reported |
| City: | MOUNT VERNON |
| State: | NY |
| Zip Code: | 10550 |
| Country Code: | 001 |
| Phone: | (914) 699-9500 |
| EMail: | JIMMY@ATLANTISMGMT.COM |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 9/3/2013 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank ID: | 38945 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 4000 |
| Install Date: | 06/01/1989 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0008 |
| Common Name of Substance: | Diesel |

| | |
|---|---|
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
B02 - Tank External Protection - Original Sacrificial Anode
H99 - Tank Leak Detection - Other
G04 - Tank Secondary Containment - Double-Walled (Underground)
C02 - Pipe Location - Underground/On-ground

**FORDHAM PETROLEUM, LLC (Continued)** **U000411250**

F02 - Pipe External Protection - Original Sacrificial Anode
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I03 - Overfill - Automatic Shut-Off

| | |
|---|---|
| Tank Number: | 002 |
| Tank ID: | 38946 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 4000 |
| Install Date: | 06/01/1989 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F02 - Pipe External Protection - Original Sacrificial Anode
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
B02 - Tank External Protection - Original Sacrificial Anode
H99 - Tank Leak Detection - Other
G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off

| | |
|---|---|
| Tank Number: | 003 |
| Tank ID: | 38947 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 4000 |
| Install Date: | 06/01/1989 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |

**FORDHAM PETROLEUM, LLC (Continued)** **U000411250**

Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
H99 - Tank Leak Detection - Other
C02 - Pipe Location - Underground/On-ground
F02 - Pipe External Protection - Original Sacrificial Anode
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
B02 - Tank External Protection - Original Sacrificial Anode
G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off

Tank Number: 004
Tank ID: 38948
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 4000
Install Date: 06/01/1989
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F02 - Pipe External Protection - Original Sacrificial Anode
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Pressurized Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
B02 - Tank External Protection - Original Sacrificial Anode
H99 - Tank Leak Detection - Other
G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off

Tank Number: 005
Tank ID: 179986
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 12000
Install Date: 08/01/2004

**FORDHAM PETROLEUM, LLC (Continued)** **U000411250**

| | |
|---|---|
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Equivalent technology |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | MSBAPTIS |
| Last Modified: | 09/04/2013 |

Equipment Records:

J01 - Dispenser - Pressurized Dispenser
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
E04 - Piping Secondary Containment - Double-Walled (Underground)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring

| | |
|---|---|
| Tank Number: | 006 |
| Tank ID: | 179987 |
| Tank Status: | In Service |
| Material Name: | In Service |
| Capacity Gallons: | 12000 |
| Install Date: | 08/01/2004 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Equivalent technology |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | MSBAPTIS |
| Last Modified: | 09/04/2013 |

Equipment Records:

D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin

**FORDHAM PETROLEUM, LLC (Continued)** **U000411250**

J01 - Dispenser - Pressurized Dispenser
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
E04 - Piping Secondary Containment - Double-Walled (Underground)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring

| | |
|---|---|
| Tank Number: | 1 |
| Tank ID: | 67179 |
| Tank Status: | Tank Converted to Non-Regulated Use |
| Material Name: | Tank Converted to Non-Regulated Use |
| Capacity Gallons: | 12000 |
| Install Date: | 12/01/2003 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Equivalent technology |
| Material Code: | 9999 |
| Common Name of Substance: | Other |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | NRLOMBAR |
| Last Modified: | 10/14/2004 |

Equipment Records:

D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
I04 - Overfill - Product Level Gauge (A/G)
J01 - Dispenser - Pressurized Dispenser
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)

| | |
|---|---|
| Tank Number: | 2 |
| Tank ID: | 67180 |
| Tank Status: | Tank Converted to Non-Regulated Use |
| Material Name: | Tank Converted to Non-Regulated Use |
| Capacity Gallons: | 12000 |
| Install Date: | 12/01/2003 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Equivalent technology |
| Material Code: | 9999 |
| Common Name of Substance: | Other |
| Tightness Test Method: | NN |

**FORDHAM PETROLEUM, LLC (Continued)** **U000411250**

Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 10/14/2004

Equipment Records:

D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
J01 - Dispenser - Pressurized Dispenser
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F04 - Pipe External Protection - Fiberglass
I04 - Overfill - Product Level Gauge (A/G)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)

---

**D22** **2297 SEDGEWICK REALTY LLC** **NY AST** **A100366150**
**East** **2297 SEDGEWICK AVE** **N/A**
**< 1/8** **BRONX, NY 10468**
**0.070 mi.**
**367 ft.** **Site 1 of 15 in cluster D**

**Relative:**
**Higher**

**Actual:**
**98 ft.**

AST:
Region: STATE
DEC Region: 2
Site Status: Unregulated/Closed
Facility Id: 2-611963
Program Type: PBS
UTM X: 591936.27341000002
UTM Y: 4524065.0311799999
Expiration Date: 01/01/1900
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 478366
Affiliation Type: Facility Owner
Company Name: 2297 SEDGWICK REALTY LLC
Contact Type: PROPERTY MGR
Contact Name: MICHAEL WILLIAMS
Address1: 3605 SEDGWICK AVE
Address2: Not reported
City: BRONX
State: NY
Zip Code: 10463
Country Code: 001
Phone: (718) 432-5044
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 1/30/2013

Site Id: 478366
Affiliation Type: Mail Contact
Company Name: 2297 SEDGWICK REALTY LLC
Contact Type: PROPERTY MGR
Contact Name: MICHAEL WILLIAMS

**2297 SEDGEWICK REALTY LLC (Continued)** **A100366150**

| | |
|---|---|
| Address1: | 3605 SEDGWICK AVE |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10463 |
| Country Code: | 001 |
| Phone: | (718) 432-5044 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/30/2013 |

| | |
|---|---|
| Site Id: | 478366 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2297 SEDGEWICK REALTY LLC |
| Contact Type: | Not reported |
| Contact Name: | MICHAEL WILLIAMS |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (917) 721-8639 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/30/2013 |

| | |
|---|---|
| Site Id: | 478366 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 2297 SEDGWICK REALTY LLC |
| Contact Type: | Not reported |
| Contact Name: | MICHAEL WILLIAMS |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (917) 721-8639 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/30/2013 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 247075 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None

**2297 SEDGEWICK REALTY LLC (Continued)** **A100366150**

H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
J00 - Dispenser - None
L00 - Piping Leak Detection - None

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 02/05/1965 |
| Capacity Gallons: | 1080 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 01/30/2013 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

---

**D23** **SPILL NUMBER 0204153** **NY Spills** **S106005785**
**East** **SEDGWICK AV & FORDHAM RD** **N/A**
**< 1/8** **BRONX, NY**
**0.072 mi.**
**382 ft.** **Site 2 of 15 in cluster D**

**Relative:**
**Higher**

**Actual:**
**97 ft.**

SPILLS:

| | |
|---|---|
| Facility ID: | 0204153 |
| Facility Type: | ER |
| DER Facility ID: | 186320 |
| Site ID: | 225731 |
| DEC Region: | 2 |
| Spill Date: | 7/21/2002 |
| Spill Number/Closed Date: | 0204153 / 8/5/2002 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | MCTIBBE |
| Referred To: | Not reported |
| Reported to Dept: | 7/21/2002 |
| CID: | 270 |
| Water Affected: | Not reported |
| Spill Source: | Commercial Vehicle |
| Spill Notifier: | Affected Persons |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 7/21/2002 |
| Spill Record Last Update: | 8/12/2002 |

**SPILL NUMBER 0204153 (Continued)** **S106005785**

| | |
|---|---|
| Spiller Name: | CALLER |
| Spiller Company: | NYC TRANSIT |
| Spiller Address: | 370 JAY ST |
| Spiller City,St,Zip: | BROOKLYN, NY 11201- |
| Spiller Company: | 001 |
| Contact Name: | CALLER |
| Contact Phone: | Not reported |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"1 PINT OF SPILLED INTO SEWER. NO RECOVERY. |
| Remarks: | poss broken line on veh. some went into sewer |

Material:

| | |
|---|---|
| Site ID: | 225731 |
| Operable Unit ID: | 856953 |
| Operable Unit: | 01 |
| Material ID: | 518412 |
| Material Code: | 0043A |
| Material Name: | ANTIFREEZE |
| Case No.: | Not reported |
| Material FA: | Other |
| Quantity: | 1 |
| Units: | Gallons |
| Recovered: | Yes |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**D24** **MANHOLE # 29002** **NY Spills** **S106017491**
**East** **W FORDHAM RD/SEDGWICK AV** **N/A**
**< 1/8** **BRONX, NY**
**0.072 mi.**
**382 ft.** **Site 3 of 15 in cluster D**

**Relative:**
**Higher**

**Actual:**
**97 ft.**

SPILLS:

| | |
|---|---|
| Facility ID: | 0305541 |
| Facility Type: | ER |
| DER Facility ID: | 224698 |
| Site ID: | 276384 |
| DEC Region: | 2 |
| Spill Date: | 8/25/2003 |
| Spill Number/Closed Date: | 0305541 / 7/21/2005 |
| Spill Cause: | Unknown |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | JHOCONNE |
| Referred To: | Not reported |
| Reported to Dept: | 8/25/2003 |
| CID: | 281 |
| Water Affected: | Not reported |
| Spill Source: | Unknown |
| Spill Notifier: | Affected Persons |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |

**MANHOLE # 29002 (Continued)** **S106017491**

UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 8/25/2003
Spill Record Last Update: 7/21/2005
Spiller Name: Not reported
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller City,St,Zip: NY
Spiller Company: 999
Contact Name: LARRY COSTA
Contact Phone: (212) 580-6763
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"e2mis no. 150-005:On August 25, 2003, R. Davis, 15700 of M & C reported while doing routine inspection on manhole 29002, feeder M51 approximately 3 gallons of unknown oil and approximately 3800 gallons of water was discovered in the manhole. Samples will be taken. Cause and source of spill is unknown at present. UPDATEPer C. Serano supervisor of M & C, the amount of unknown oil has been changed from 3 to 6 gallons.Subsequent to the spill event, irregularity repairs were performed in manhole 29002 on 9/10/2003 as indicated by MAXIMO work order # 0000209172. This would indicate that the spill which occurred previous to this maintenance was cleaned and the report should have been closed. A stop time of 9/10/03, 12:00hrs is being assigned to this spill.
Remarks: Above material discovered spilled at above locaiton on top of 3800 gallons of water. Sample taken and cleanup is pending test results.Con Ed # 150005.

Material:
Site ID: 276384
Operable Unit ID: 872138
Operable Unit: 01
Material ID: 502792
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum
Quantity: 6
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

---

**D25** **FORDHAM RD / SEDGEWICK AV** **NY Spills** **S102147725**
**East** **FORDHAM RD / SEDGEWICK AV** **N/A**
**< 1/8** **BRONX, NY**
**0.072 mi.**
**382 ft.** **Site 4 of 15 in cluster D**

**Relative:**
**Higher**

**Actual:**
**97 ft.**

SPILLS:
Facility ID: 9313155
Facility Type: ER
DER Facility ID: 212407
Site ID: 259732
DEC Region: 2

**FORDHAM RD / SEDGEWICK AV (Continued)** **S102147725**

| | |
|---|---|
| Spill Date: | 2/7/1994 |
| Spill Number/Closed Date: | 9313155 / 2/7/1994 |
| Spill Cause: | Traffic Accident |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | HEALY |
| Referred To: | Not reported |
| Reported to Dept: | 2/7/1994 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Commercial Vehicle |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | 2/7/1994 |
| Cleanup Meets Std: | True |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2/11/1994 |
| Spill Record Last Update: | 9/30/2004 |
| Spiller Name: | Not reported |
| Spiller Company: | SANITATION DEPT. |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | NY |
| Spiller Company: | 999 |
| Contact Name: | Not reported |
| Contact Phone: | Not reported |
| DEC Memo: | Not reported |
| Remarks: | TRAFFIC ACCIDENT INVOLVED GARBAGE TRUCK FUEL OIL ENTERED CATCH BASIN. NO WATER CONTRACT. POLICE ON SCENE - DEP NOTIFIED - NO CALL BACK NECESSARY. |

Material:

| | |
|---|---|
| Site ID: | 259732 |
| Operable Unit ID: | 991611 |
| Operable Unit: | 01 |
| Material ID: | 388546 |
| Material Code: | 0008 |
| Material Name: | Diesel |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 50 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

**D26 East < 1/8 0.072 mi. 382 ft.** | **SPILL NUMBER 0308926** | **NY Spills** | **S106125036**
**FORDHAM RD & SEDGWICK AVE** | **N/A**
**BRONX, NY**

**Site 5 of 15 in cluster D**

**Relative: Higher**

**Actual: 97 ft.**

SPILLS:

| | |
|---|---|
| Facility ID: | 0308926 |
| Facility Type: | ER |
| DER Facility ID: | 73144 |
| Site ID: | 78613 |
| DEC Region: | 2 |
| Spill Date: | 11/21/2003 |
| Spill Number/Closed Date: | 0308926 / 11/25/2003 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | MCTIBBE |
| Referred To: | Not reported |
| Reported to Dept: | 11/21/2003 |
| CID: | 205 |
| Water Affected: | Not reported |
| Spill Source: | Commercial Vehicle |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 11/21/2003 |
| Spill Record Last Update: | 12/1/2003 |
| Spiller Name: | CALLER |
| Spiller Company: | NYC TRANSIT |
| Spiller Address: | 370 JAY ST |
| Spiller City,St,Zip: | BROOKLYN, NY - |
| Spiller Company: | 001 |
| Contact Name: | CALLER |
| Contact Phone: | Not reported |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"2 gallons of power steering fluid was spilled from a ruptured line on a bus. Most of the product was cleaned by NYCT but some entered to sewer. Product was unrecoverable because the sewer was flowing. NYC DEP was notified (718603). |
| Remarks: | BROKEN HOSE.CLEANUP STARTED. |

Material:

| | |
|---|---|
| Site ID: | 78613 |
| Operable Unit ID: | 877552 |
| Operable Unit: | 01 |
| Material ID: | 498839 |
| Material Code: | 1511A |
| Material Name: | POWER STEERING FLUID |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 2 |
| Units: | Gallons |
| Recovered: | No |

**SPILL NUMBER 0308926 (Continued)** **S106125036**

Resource Affected: Not reported
Oxygenate: False

Tank Test:

---

**C27 SW < 1/8 0.073 mi. 383 ft.** **FORDHAM LANDING LLC** **NY MANIFEST** **S112141548**
**320 W FORDHAM RD** **N/A**
**BRONX, NY 10468**

**Site 11 of 16 in cluster C**

**Relative: Higher**

**Actual: 58 ft.**

NY MANIFEST:
EPA ID: NYR000191932
Country: USA

Mailing Info:
Name: FORDHAM LANDING LLC
Contact: FORDHAM LANDING LLC
Address: 41 RUSCOE ROAD
City/State/Zip: WILTON, CT 06897
Country: USA
Phone: 203-515-8393

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: Not reported
Generator Ship Date: 03/27/2012
Trans1 Recv Date: 03/27/2012
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/27/2012
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000191932
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD980536593
Waste Code: Not reported
Quantity: 1050.0
Units: P - Pounds
Number of Containers: 4.0
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 1.0
Year: 2012
Manifest Tracking Num: 000681704VES
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported

**FORDHAM LANDING LLC (Continued)** **S112141548**

Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

---

**C28** **EDR US Hist Auto Stat** **1015421911**
**SW** **320 W FORDHAM RD** **N/A**
**< 1/8** **BRONX, NY 10468**
**0.073 mi.**
**383 ft.** **Site 12 of 16 in cluster C**

**Relative:**
**Higher**

**Actual:**
**58 ft.**

EDR Historical Auto Stations:
Name: DON GLO AUTO SRVC CTR OF MNHTN
Year: 2001
Address: 320 W FORDHAM RD

Name: DON GLO AUTO SRVC CTR OF MNHTN
Year: 2002
Address: 320 W FORDHAM RD

---

**C29** **FORDHAM LANDING LLC** **RCRA NonGen / NLR** **1014957957**
**SW** **320 W FORDHAM RD** **NYR000191932**
**< 1/8** **BRONX, NY 10468**
**0.073 mi.**
**383 ft.** **Site 13 of 16 in cluster C**

**Relative:**
**Higher**

**Actual:**
**58 ft.**

RCRA NonGen / NLR:
Date form received by agency: 09/17/2012
Facility name: FORDHAM LANDING LLC
Facility address: 320 W FORDHAM RD
BRONX, NY 10468
EPA ID: NYR000191932
Mailing address: RUSCOE RD
WILTON, CT 06897
Contact: ANDREW LASALLA
Contact address: RUSCOE RD
WILTON, CT 06897
Contact country: US
Contact telephone: (203) 515-8393
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: ANDREW LASALLA
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/01/1963
Owner/Op end date: Not reported

Owner/operator name: FORDHAM LANDING LLC
Owner/operator address: RUSCOE RD

**FORDHAM LANDING LLC (Continued)** **1014957957**

WILTON, CT 06897
Owner/operator country: US
Owner/operator telephone: (203) 515-8393
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/01/1963
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/19/2012
Site name: FORDHAM LANDING LLC
Classification: Small Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

**C30 South < 1/8 0.073 mi. 383 ft.** | **2269 HAMPDEN PLACE**
**2269 HAMPDEN PLACE**
**BRONX, NY** | **NY LTANKS** | **S105998602**
**N/A**

**Site 14 of 16 in cluster C**

**Relative: Higher**

**Actual: 87 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 242309 |
| Spill Number/Closed Date: | 0300149 / 4/4/2003 |
| Spill Date: | 4/4/2003 |
| Spill Cause: | Tank Overfill |
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | JBVOUGHT |
| Referred To: | Not reported |
| Reported to Dept: | 4/4/2003 |
| CID: | 199 |
| Water Affected: | Not reported |
| Spill Notifier: | Responsible Party |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 4/4/2003 |
| Spill Record Last Update: | 4/4/2003 |
| Spiller Name: | Not reported |
| Spiller Company: | AMERADA HESS |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | NY |
| Spiller County: | 999 |
| Spiller Contact: | EMILIANA CABRERA |
| Spiller Phone: | (212) 543-2515 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 199116 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"DEC Sigona contacted Hess at 12:15 left message for Raymond Soja requesting call back at 718-482-4651. Contacted Ms. Cabrera who said oil spilled into basement causing odors in the building. No response by oil company as of 12:15 PM.DEC Vought to perform field response.4/4/2003-Vought-Site visit by Vought. Spill came out of vent pipe and also out of top of tank manway onto tank room floor. Spill is #4 fuel oil from 5000 gallon AST. Spill entered sump pit. Vought notiified NYDEP (DEP#600189). Delivery company was T&S Trucking. Eastmond & Sons will be performing cleanup (powerwash sidewalk, basement, and sump pit).Tank room foor and walls sealed with epoxy with no pathways (cracks) to subsurface. Spill closed by Vought. |
| Remarks: | Caller states customer overordered - clean up company enrouteat this time - all materal spilled to ground - no sewers |

Material:

| | |
|---|---|
| Site ID: | 242309 |
| Operable Unit ID: | 868462 |
| Operable Unit: | 01 |
| Material ID: | 508227 |

**2269 HAMPDEN PLACE (Continued)** **S105998602**

| | |
|---|---|
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 25 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**C31 South < 1/8 0.073 mi. 383 ft.** | **2269 HAMPDEN PLACE** **NY AST** **A100078855**
**2269 HAMPDEN PLACE** **N/A**
**BRONX, NY 10468**

**Site 15 of 16 in cluster C**

**Relative: Higher**

**Actual: 87 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-365084 |
| Program Type: | PBS |
| UTM X: | 591793.99152000004 |
| UTM Y: | 4523991.1693900004 |
| Expiration Date: | 01/07/2015 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 18528 |
| Affiliation Type: | Mail Contact |
| Company Name: | HAMDEN REALTY LLC |
| Contact Type: | MEMBER |
| Contact Name: | I CATILLO |
| Address1: | 126 WEST FORDAM RD |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10468 |
| Country Code: | 001 |
| Phone: | (718) 220-4323 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/7/2010 |

| | |
|---|---|
| Site Id: | 18528 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2269 HAMPDEN PLACE |
| Contact Type: | Not reported |
| Contact Name: | MENSUR |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |

**2269 HAMPDEN PLACE (Continued)** **A100078855**

| | |
|---|---|
| Country Code: | 001 |
| Phone: | (646) 529-8467 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | dxliving |
| Date Last Modified: | 11/13/2008 |

| | |
|---|---|
| Site Id: | 18528 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 2254 CEDAR LLC |
| Contact Type: | Not reported |
| Contact Name: | SANDRO ESCONDEN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (646) 529-6397 3021 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | dxliving |
| Date Last Modified: | 11/13/2008 |

| | |
|---|---|
| Site Id: | 18528 |
| Affiliation Type: | Facility Owner |
| Company Name: | HAMDEN REALTY LLC |
| Contact Type: | MEMBER |
| Contact Name: | I CATILLO |
| Address1: | 126 WEST FORDAM RD |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10468 |
| Country Code: | 001 |
| Phone: | (718) 220-4323 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/7/2010 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 24466 |
| Material Code: | 0002 |
| Common Name of Substance: | #4 Fuel Oil (On-Site Consumption) |

Equipment Records:

G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
D04 - Pipe Type - Fiberglass Coated Steel
K00 - Spill Prevention - None
F04 - Pipe External Protection - Fiberglass

**2269 HAMPDEN PLACE (Continued)** **A100078855**

B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
I00 - Overfill - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Fiberglass Coated Steel |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 05/12/1987 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | dxliving |
| Last Modified: | 11/13/2008 |
| Material Name: | #4 Fuel Oil (On-Site Consumption) |

---

**D32** **MANHOLE 29002** **NY Spills** **S106014221**
**East** **FORDHAM RD & SEDGWICK** **N/A**
**< 1/8** **BRONX, NY**
**0.073 mi.**
**387 ft.** **Site 6 of 15 in cluster D**

**Relative:**
**Higher**

**Actual:**
**97 ft.**

SPILLS:

| | |
|---|---|
| Facility ID: | 0301808 |
| Facility Type: | ER |
| DER Facility ID: | 231856 |
| Site ID: | 286066 |
| DEC Region: | 2 |
| Spill Date: | 5/20/2003 |
| Spill Number/Closed Date: | 0301808 / 8/18/2009 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | JMKRIMGO |
| Referred To: | Not reported |
| Reported to Dept: | 5/20/2003 |
| CID: | 205 |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 5/20/2003 |
| Spill Record Last Update: | 8/18/2009 |
| Spiller Name: | CALLER |
| Spiller Company: | CON ED |
| Spiller Address: | 4 IRVING PLACE |
| Spiller City,St,Zip: | MANHATTAN, NY - |
| Spiller Company: | 001 |

**MANHOLE 29002 (Continued)** **S106014221**

Contact Name: CALLER
Contact Phone: Not reported
DEC Memo: 08/18/09 - See eDocs for Con Ed report detailing cleanup and closure.Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"E2MIS 148427Alice F. Williams. Employee # 75829, Transmission Operations Department, reports: May 20, 2003 @ 12:30 Hrs. Andrew O'Connell, Employee # 19949, Splicer working for Transmission Operations Department, was assigned to routine manhole inspections and reported finding approximately 15 gallons of oil on top of approximately 1,000 gallons of water in Manhole 29002, Feeder 51/52. The spill is contained in the manhole. Warning Tag # 3422 is installed. Chem Lab will be notified to collect samples of the substance. Cleanup is expected to take place within 24 hours. Supervisor, Fred Acosta, Employee # 15856, is working on this incident.Spill checklistSamples ID # 0304212-001 <1ppm PCBsCleanup activities: Removed liquids and solids, removed visible traces of oil, washed stained area.Contractor: Clean VentureCleanup completed: 5-20-03 1945hrsManifest: NJA4116480
Remarks: LEAK IN MANHOLE. CON ED # 148427.

Material:
Site ID: 286066
Operable Unit ID: 868364
Operable Unit: 01
Material ID: 506296
Material Code: 0541A
Material Name: DIELECTRIC FLUID
Case No.: Not reported
Material FA: Petroleum
Quantity: 15
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

---

**B33** **2265 SEDGWICK AVENUE** **NY AST** **A100291841**
**SE** **2265 SEDGWICK AVENUE** **N/A**
**< 1/8** **BRONX, NY 10468**
**0.073 mi.**
**388 ft.** **Site 9 of 9 in cluster B**

**Relative:**
**Higher**

**Actual:**
**125 ft.**

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-601715
Program Type: PBS
UTM X: 591830.54628000001
UTM Y: 4523894.8534399997
Expiration Date: 01/27/2019
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 23677
Affiliation Type: Facility Owner

**2265 SEDGWICK AVENUE (Continued)** **A100291841**

| | |
|---|---|
| Company Name: | R & G ASSOCIATES LLC |
| Contact Type: | CONSTRUCTION AND ENERGY MGMT. |
| Contact Name: | GANI BAJRAKTARI |
| Address1: | 617 EAST 188TH STREET |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10458 |
| Country Code: | 001 |
| Phone: | (718) 365-4310 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | DMMOLOUG |
| Date Last Modified: | 12/30/2013 |

| | |
|---|---|
| Site Id: | 23677 |
| Affiliation Type: | Mail Contact |
| Company Name: | R & G ASSOCIATES LLC |
| Contact Type: | Not reported |
| Contact Name: | GANI BAJRAKTARI |
| Address1: | 617 EAST 188TH STREET |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10458 |
| Country Code: | 001 |
| Phone: | (718) 365-4396 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | DMMOLOUG |
| Date Last Modified: | 12/30/2013 |

| | |
|---|---|
| Site Id: | 23677 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2265 SEDGWICK AVENUE |
| Contact Type: | Not reported |
| Contact Name: | ANGLE FREIRE |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 365-4597 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 23677 |
| Affiliation Type: | Emergency Contact |
| Company Name: | R & G ASSOCIATES LLC |
| Contact Type: | Not reported |
| Contact Name: | MIKE BAJRAKTARI |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |

**2265 SEDGWICK AVENUE (Continued)** **A100291841**

| | |
|---|---|
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 365-4597 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | DMMOLOUG |
| Date Last Modified: | 12/30/2013 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 47583 |
| Material Code: | 0008 |
| Common Name of Substance: | Diesel |

Equipment Records:

E02 - Piping Secondary Containment - Vault (with Access)
L00 - Piping Leak Detection - None
A99 - Tank Internal Protection - Other
C03 - Pipe Location - Aboveground/Underground Combination
F01 - Pipe External Protection - Painted/Asphalt Coating
B99 - Tank External Protection - Other
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J01 - Dispenser - Pressurized Dispenser
K99 - Spill Prevention - Other
H99 - Tank Leak Detection - Other
I05 - Overfill - Vent Whistle

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/14/1952 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | DMMOLOUG |
| Last Modified: | 12/30/2013 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

---

**D34** **2304 SEDGWICK AVE** **NY AST** **A100078734**
**East** **2304 SEDGWICK AVENUE** **N/A**
**< 1/8** **BRONX, NY 10468**
**0.074 mi.**
**389 ft.** **Site 7 of 15 in cluster D**

**Relative:**
**Higher**

**Actual:**
**97 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-219339 |
| Program Type: | PBS |
| UTM X: | 591895.91775999998 |

**2304 SEDGWICK AVE (Continued)** **A100078734**

| | |
|---|---|
| UTM Y: | 4524006.7496499997 |
| Expiration Date: | 12/05/2016 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 8400 |
| Affiliation Type: | Mail Contact |
| Company Name: | ROYAL ASSETS, LLC |
| Contact Type: | Not reported |
| Contact Name: | BOYSIE SIEW |
| Address1: | 115 VERMILYEA AVE #1A |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10034 |
| Country Code: | 001 |
| Phone: | (212) 304-0988 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 10/4/2012 |

| | |
|---|---|
| Site Id: | 8400 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2304 SEDGWICK AVE |
| Contact Type: | Not reported |
| Contact Name: | ZAIM DERVISEVIC |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (347) 862-0872 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 10/4/2012 |

| | |
|---|---|
| Site Id: | 8400 |
| Affiliation Type: | Emergency Contact |
| Company Name: | ROYAL ASSETS, LLC. |
| Contact Type: | Not reported |
| Contact Name: | JOSHUA SIEW |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (212) 304-0988 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 10/4/2012 |

| | |
|---|---|
| Site Id: | 8400 |
| Affiliation Type: | Facility Owner |

**2304 SEDGWICK AVE (Continued)** **A100078734**

| | |
|---|---|
| Company Name: | ROYAL ASSETS, LLC. |
| Contact Type: | MEMBER |
| Contact Name: | BOYSIE SIEW |
| Address1: | 115 VERMILYEA AVE #1A |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10034 |
| Country Code: | 001 |
| Phone: | (212) 304-0988 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 10/4/2012 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 24104 |
| Material Code: | 0002 |
| Common Name of Substance: | #4 Fuel Oil (On-Site Consumption) |

Equipment Records:

C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 06/10/1965 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | dxliving |
| Last Modified: | 11/13/2008 |
| Material Name: | #4 Fuel Oil (On-Site Consumption) |

**D35** **EDR US Hist Cleaners** **1015023234**
**East** **2304 SEDGWICK AVE** **N/A**
**< 1/8** **BRONX, NY 10468**
**0.074 mi.**
**389 ft.** **Site 8 of 15 in cluster D**

**Relative:**
**Higher**

**Actual:**
**97 ft.**

EDR Historical Cleaners:

Name: JB LAUNDROMAT GROUP INC
Year: 2003
Address: 2304 SEDGWICK AVE

Name: J & B LAUNDROMAT
Year: 2004
Address: 2304 SEDGWICK AVE

Name: J & B LAUNDROMAT
Year: 2006
Address: 2304 SEDGWICK AVE

Name: J & B LAUNDROMAT
Year: 2008
Address: 2304 SEDGWICK AVE

Name: J & B LAUNDROMAT
Year: 2009
Address: 2304 SEDGWICK AVE

Name: J & B LAUNDROMAT
Year: 2010
Address: 2304 SEDGWICK AVE

Name: J & B LAUNDROMAT
Year: 2011
Address: 2304 SEDGWICK AVE

---

**D36** **CON EDISON MANHOLE 21259** **RCRA NonGen / NLR** **1014918142**
**East** **SEDGWICK AVE & FORDHAM RD SE** **NJ MANIFEST** **NYP004217257**
**< 1/8** **BRONX, NY 10451**
**0.074 mi.**
**391 ft.** **Site 9 of 15 in cluster D**

**Relative:**
**Higher**

**Actual:**
**97 ft.**

RCRA NonGen / NLR:

Date form received by agency: 11/04/2010
Facility name: CON EDISON MANHOLE 21259
Facility address: SEDGWICK AVE & FORDHAM RD SE
COR
BRONX, NY 10451
EPA ID: NYP004217257
Mailing address: IRVING PL RM 828
NEW YORK, NY 10003
Contact: DOMINIC BIZZARO
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (914) 925-6219
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

**CON EDISON MANHOLE 21259 (Continued)** **1014918142**

Handler Activities Summary:

| | |
|---|---|
| U.S. importer of hazardous waste: | No |
| Mixed waste (haz. and radioactive): | No |
| Recycler of hazardous waste: | No |
| Transporter of hazardous waste: | No |
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |
| Used oil fuel burner: | No |
| Used oil processor: | No |
| User oil refiner: | No |
| Used oil fuel marketer to burner: | No |
| Used oil Specification marketer: | No |
| Used oil transfer facility: | No |
| Used oil transporter: | No |

Historical Generators:

| | |
|---|---|
| Date form received by agency: | 10/05/2010 |
| Site name: | CON EDISON MANHOLE 21259 |
| Classification: | Conditionally Exempt Small Quantity Generator |
| Violation Status: | No violations found |

NJ MANIFEST:

| | |
|---|---|
| EPA Id: | NYP004217257 |
| Mail Address: | IRVING PL RM 828 |
| Mail City/State/Zip: | NEW YORK, NY 10003 |
| Facility Phone: | Not reported |
| Emergency Phone: | Not reported |
| Contact: | DOMINIC BIZZARO |
| Comments: | Not reported |
| SIC Code: | Not reported |
| County: | NY005 |
| Municipal: | Not reported |
| Previous EPA Id: | Not reported |
| Gen Flag: | Not reported |
| Trans Flag: | Not reported |
| TSDF Flag: | Not reported |
| Name Change: | Not reported |
| Date Change: | Not reported |

Manifest:

| | |
|---|---|
| Manifest Number: | 006874650JJK |
| EPA ID: | NYP004217257 |
| Date Shipped: | 10/05/2010 |
| TSDF EPA ID: | NJD002200046 |
| Transporter EPA ID: | NYD006982359 |
| Transporter 2 EPA ID: | Not reported |
| Transporter 3 EPA ID: | Not reported |
| Transporter 4 EPA ID: | Not reported |
| Transporter 5 EPA ID: | Not reported |
| Transporter 6 EPA ID: | Not reported |
| Transporter 7 EPA ID: | Not reported |
| Transporter 8 EPA ID: | Not reported |
| Transporter 10 EPA ID: | Not reported |
| Date Trans1 Transported Waste: | 10/05/2010 |

**CON EDISON MANHOLE 21259 (Continued)** **1014918142**

| | |
|---|---|
| Date Trans2 Transported Waste: | Not reported |
| Date Trans3 Transported Waste: | Not reported |
| Date Trans4 Transported Waste: | Not reported |
| Date Trans5 Transported Waste: | Not reported |
| Date Trans6 Transported Waste: | Not reported |
| Date Trans7 Transported Waste: | Not reported |
| Date Trans8 Transported Waste: | Not reported |
| Date Trans9 Transported Waste: | Not reported |
| Date Trans10 Transported Waste: | Not reported |
| Date TSDF Received Waste: | 10/06/2010 |
| TSDF EPA Facility Name: | Not reported |
| QTY Units: | Not reported |
| Transporter SEQ ID: | Not reported |
| Transporter-1 Date: | Not reported |
| Waste SEQ ID: | Not reported |
| Waste Type Code 2: | Not reported |
| Waste Type Code 3: | Not reported |
| Waste Type Code 4: | Not reported |
| Waste Type Code 5: | Not reported |
| Waste Type Code 6: | Not reported |
| Date Accepted: | Not reported |
| Manifest Discrepancy Type: | Not reported |
| Data Entry Number: | Not reported |
| Was Load Rejected: | NEW YORK, NY 10003 |
| Reason Load Was Rejected: | Not reported |

Waste:

| | |
|---|---|
| Manifest Year: | 2010 New Jersey Manifest Data |
| Waste Code: | D008 |
| Hand Code: | H111 |
| Quantity: | 1000 P |

---

**D37** **EDR US Hist Cleaners** **1015023175**
**East** **2302 SEDGWICK AVE** **N/A**
**< 1/8** **BRONX, NY 10468**
**0.074 mi.**
**392 ft.** **Site 10 of 15 in cluster D**

**Relative:**
**Higher**

**Actual:**
**98 ft.**

EDR Historical Cleaners:

| | |
|---|---|
| Name: | J & B LAUNDROMAT |
| Year: | 2007 |
| Address: | 2302 SEDGWICK AVE |

---

**D38** **ROSEWALL GARDENS ASSOC.** **NY AST** **A100178000**
**East** **2300 SEDGEWICK AVENUE** **N/A**
**< 1/8** **BRONX, NY 10463**
**0.075 mi.**
**394 ft.** **Site 11 of 15 in cluster D**

**Relative:**
**Higher**

**Actual:**
**98 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-605699 |

**ROSEWALL GARDENS ASSOC. (Continued)** **A100178000**

| | |
|---|---|
| Program Type: | PBS |
| UTM X: | 591892.57006000006 |
| UTM Y: | 4524001.0193999996 |
| Expiration Date: | 04/17/2016 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 27566 |
| Affiliation Type: | Facility Owner |
| Company Name: | ROSEWALL GARDENS ASSOC. |
| Contact Type: | BUILDING AGENT |
| Contact Name: | NOBERTO RAMIREZ |
| Address1: | 141-50 85TH ROAD |
| Address2: | Not reported |
| City: | BRIARWOOD |
| State: | NY |
| Zip Code: | 11435 |
| Country Code: | 001 |
| Phone: | (718) 658-1300 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 2/14/2011 |

| | |
|---|---|
| Site Id: | 27566 |
| Affiliation Type: | Mail Contact |
| Company Name: | ROSEWALL GARDENS ASSOCIATES |
| Contact Type: | Not reported |
| Contact Name: | NOBERTO RAMIREZ, BUILDING AGENT |
| Address1: | % METROPOLITAN PROPERTY SERVICES |
| Address2: | 141-50 85TH ROAD |
| City: | BRIARWOOD |
| State: | NY |
| Zip Code: | 11435 |
| Country Code: | 001 |
| Phone: | (718) 658-1300 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 2/14/2011 |

| | |
|---|---|
| Site Id: | 27566 |
| Affiliation Type: | On-Site Operator |
| Company Name: | ROSEWALL GARDENS ASSOC. |
| Contact Type: | Not reported |
| Contact Name: | MIGUEL CANALES |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 658-1300 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 2/14/2011 |

**ROSEWALL GARDENS ASSOC. (Continued)** **A100178000**

| | |
|---|---|
| Site Id: | 27566 |
| Affiliation Type: | Emergency Contact |
| Company Name: | ROSEWALL GARDENS ASSOC. |
| Contact Type: | Not reported |
| Contact Name: | BEN SCHWARTZ |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 658-1300 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

Tank Info:

| | |
|---|---|
| Tank Number: | 1 |
| Tank Id: | 60254 |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

| | |
|---|---|
| | C01 - Pipe Location - Aboveground |
| | E00 - Piping Secondary Containment - None |
| | H00 - Tank Leak Detection - None |
| | A00 - Tank Internal Protection - None |
| | D01 - Pipe Type - Steel/Carbon Steel/Iron |
| | I05 - Overfill - Vent Whistle |
| | J00 - Dispenser - None |
| | K00 - Spill Prevention - None |
| | B01 - Tank External Protection - Painted/Asphalt Coating |
| | F04 - Pipe External Protection - Fiberglass |
| | L00 - Piping Leak Detection - None |
| | G03 - Tank Secondary Containment - Vault (w/o access) |
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1970 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 02/14/2011 |
| Material Name: | #6 Fuel Oil (On-Site Consumption) |

**E39 WSW < 1/8 0.075 mi. 395 ft.** | **MAJOR DEACON EXPRESSWAY WEST FORDHAM ROAD BRONX, NY** | **NY Spills** | **S106721224 N/A**

**Site 1 of 9 in cluster E**

**Relative: Lower**

**Actual: 41 ft.**

SPILLS:

| | |
|---|---|
| Facility ID: | 0407793 |
| Facility Type: | ER |
| DER Facility ID: | 267491 |
| Site ID: | 332335 |
| DEC Region: | 2 |
| Spill Date: | 10/14/2004 |
| Spill Number/Closed Date: | 0407793 / 10/18/2004 |
| Spill Cause: | Equipment Failure |
| Spill Class: | c4 |
| SWIS: | 0301 |
| Investigator: | SMSANGES |
| Referred To: | Not reported |
| Reported to Dept: | 10/14/2004 |
| CID: | 444 |
| Water Affected: | Not reported |
| Spill Source: | Commercial Vehicle |
| Spill Notifier: | Fire Department |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 10/14/2004 |
| Spill Record Last Update: | 10/18/2004 |
| Spiller Name: | NICHOLAS |
| Spiller Company: | NICOLAS COLARO TRUCKING |
| Spiller Address: | PO BOX 410 |
| Spiller City,St,Zip: | THIELLS, NY 10984 |
| Spiller Company: | 001 |
| Contact Name: | NYC HAZMAT |
| Contact Phone: | (917) 769-0483 |
| DEC Memo: | Not reported |
| Remarks: | STRAP TO TRACTOR TRAILER SADDLE TANK BROKE AND CAUSED THE TANK TO FALL OFF AND DRAG: HAZMAT ON SCENE T O CLEAN |

Material:

| | |
|---|---|
| Site ID: | 332335 |
| Operable Unit ID: | 1094583 |
| Operable Unit: | 01 |
| Material ID: | 574691 |
| Material Code: | 0008 |
| Material Name: | Diesel |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 25 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

**E40 WSW < 1/8 0.075 mi. 395 ft.** | **WEST FORDHAM ROAD**
**WEST FORDHAM ROAD @DEGAN**
**BRONX, NY** | **NY Spills** | **S102663631**
**N/A**

**Site 2 of 9 in cluster E**

**Relative: Lower**

**Actual: 41 ft.**

SPILLS:

| | |
|---|---|
| Facility ID: | 9707112 |
| Facility Type: | ER |
| DER Facility ID: | 219617 |
| Site ID: | 269672 |
| DEC Region: | 2 |
| Spill Date: | 9/16/1997 |
| Spill Number/Closed Date: | 9707112 / 9/16/1997 |
| Spill Cause: | Traffic Accident |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | LUCE |
| Referred To: | Not reported |
| Reported to Dept: | 9/16/1997 |
| CID: | 205 |
| Water Affected: | Not reported |
| Spill Source: | Commercial Vehicle |
| Spill Notifier: | Fire Department |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 9/16/1997 |
| Spill Record Last Update: | 9/25/1997 |
| Spiller Name: | Not reported |
| Spiller Company: | UNKNOWN |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | NY |
| Spiller Company: | 999 |
| Contact Name: | CALLER |
| Contact Phone: | (718) 430-0200 |
| DEC Memo: | Not reported |
| Remarks: | truck overturned, poss spill to sewer. fd on scene. |

Material:

| | |
|---|---|
| Site ID: | 269672 |
| Operable Unit ID: | 1053343 |
| Operable Unit: | 01 |
| Material ID: | 566629 |
| Material Code: | 0008 |
| Material Name: | Diesel |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |
| Site ID: | 269672 |
| Operable Unit ID: | 1053343 |
| Operable Unit: | 01 |

**WEST FORDHAM ROAD (Continued)** **S102663631**

| | |
|---|---|
| Material ID: | 566630 |
| Material Code: | 0021 |
| Material Name: | Transmission Fluid |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**E41 WSW < 1/8 0.075 mi. 395 ft.** **MAJOR DEEGAN EXPRESS AND FORDOM RD BRONX, NY** **NY Spills** **S104284084 N/A**

**Site 3 of 9 in cluster E**

**Relative: Lower**

**Actual: 41 ft.**

SPILLS:

| | |
|---|---|
| Facility ID: | 9909964 |
| Facility Type: | ER |
| DER Facility ID: | 178999 |
| Site ID: | 216192 |
| DEC Region: | 2 |
| Spill Date: | 11/17/1999 |
| Spill Number/Closed Date: | 9909964 / 3/4/2003 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | TOMASELLO |
| Referred To: | Not reported |
| Reported to Dept: | 11/17/1999 |
| CID: | 257 |
| Water Affected: | Not reported |
| Spill Source: | Commercial Vehicle |
| Spill Notifier: | Fire Department |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 11/17/1999 |
| Spill Record Last Update: | 3/4/2003 |
| Spiller Name: | Not reported |
| Spiller Company: | HESS |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | ZZ - |
| Spiller Company: | 001 |
| Contact Name: | Not reported |
| Contact Phone: | Not reported |
| DEC Memo: | Not reported |
| Remarks: | being cleaned up now |

**MAJOR DEEGAN EXPRESS (Continued)** **S104284084**

Material:

| | |
|---|---|
| Site ID: | 216192 |
| Operable Unit ID: | 1088658 |
| Operable Unit: | 01 |
| Material ID: | 299025 |
| Material Code: | 0012A |
| Material Name: | Kerosene |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 10 |
| Units: | Gallons |
| Recovered: | 10 |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**E42**
**WSW**
**< 1/8**
**0.075 mi.**
**395 ft.**

**FORDHAM ROAD/MAJOR DEEGAN** **NY Spills** **S102144694**
**FORDHAM ROAD/MAJOR DEEGAN** **N/A**
**NEW YORK CITY, NY**

**Site 4 of 9 in cluster E**

**Relative:**
**Lower**

**Actual:**
**41 ft.**

SPILLS:

| | |
|---|---|
| Facility ID: | 8703950 |
| Facility Type: | ER |
| DER Facility ID: | 223598 |
| Site ID: | 274943 |
| DEC Region: | 2 |
| Spill Date: | 8/12/1987 |
| Spill Number/Closed Date: | 8703950 / 8/14/1987 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Not reported |
| SWIS: | 0301 |
| Investigator: | UNASSIGNED |
| Referred To: | Not reported |
| Reported to Dept: | 8/12/1987 |
| CID: | Not reported |
| Water Affected: | HUDSON RIVER |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Notifier: | Local Agency |
| Cleanup Ceased: | 8/14/1987 |
| Cleanup Meets Std: | True |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 8/18/1987 |
| Spill Record Last Update: | 10/7/1988 |
| Spiller Name: | Not reported |
| Spiller Company: | NYCDEP |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | NY |
| Spiller Company: | 999 |
| Contact Name: | Not reported |
| Contact Phone: | Not reported |

**FORDHAM ROAD/MAJOR DEEGAN (Continued)** **S102144694**

DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "
"10/10/95: This is additional information about material spilled from
the translation of the old spill file: 3.1 MILLION / DAY

Remarks: 3.1 MGD BY-PASS, LOSS SLUICE REGULATOR # 66, WAS FOUND PARTIALLY OPENENDED ON 08/13/87. NYCDEP ITEM # 1057

Material:

Tank Test:

---

**C43**
**South**
**< 1/8**
**0.078 mi.**
**414 ft.**

**Relative:**
**Higher**

**Actual:**
**94 ft.**

**CON EDISON** **NY MANIFEST** **S116550419**
**2262 HAMPDEN PLACE** **N/A**
**BRONX, NY 10468**

**Site 16 of 16 in cluster C**

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYP004487989 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | CON EDISON |
| Contact: | TOM TEELING |
| Address: | 4 IRVING PLACE - 15TH FLOOR |
| City/State/Zip: | NEW YORK, NY 10003 |
| Country: | USA |
| Phone: | 212-460-3770 |

Manifest:

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD003812047 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 04/03/2014 |
| Trans1 Recv Date: | 04/03/2014 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 04/03/2014 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004487989 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | Not reported |
| Quantity: | 2000 |
| Units: | P - Pounds |
| Number of Containers: | 1 |
| Container Type: | TT - Cargo tank, tank trucks |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 1 |
| Year: | 2014 |
| Manifest Tracking Num: | 002359735GBF |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |

**CON EDISON (Continued)** **S116550419**

| | |
|---|---|
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H110 |

---

**F44** **EXTERIOR ST - LANDING RD** **NY Spills** **S102180138**
**WNW** **EXTERIOR ST - LANDING RD** **N/A**
**< 1/8** **BRONX, NY**
**0.081 mi.**
**430 ft.** **Site 1 of 2 in cluster F**

**Relative:**
**Lower**

**Actual:**
**0 ft.**

SPILLS:

| | |
|---|---|
| Facility ID: | 9508967 |
| Facility Type: | ER |
| DER Facility ID: | 141561 |
| Site ID: | 168036 |
| DEC Region: | 2 |
| Spill Date: | 10/20/1995 |
| Spill Number/Closed Date: | 9508967 / 12/30/2005 |
| Spill Cause: | Unknown |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | SKARAKHA |
| Referred To: | Not reported |
| Reported to Dept: | 10/20/1995 |
| CID: | 196 |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 10/20/1995 |
| Spill Record Last Update: | 12/30/2005 |
| Spiller Name: | RICHARD ROACH |
| Spiller Company: | CON EDISON |
| Spiller Address: | 4 IRVING PLACE |
| Spiller City,St,Zip: | MANHATTAN, NY 10003 |
| Spiller Company: | 001 |
| Contact Name: | SAME |
| Contact Phone: | Not reported |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"Doing cleanup at bronx cable house. some silt and mud at base of pump cable house. one sample came back with 61 ppm pcb's took three samples other 12 & 15 ppm. don't know if it is random PCBs. spill cleanup contractor to be there tomorrow at 8:00am. spill on CON ed propery, no exposure to general public. cable house is below grade. to his knowledge, no groundwater contact. cable dielectric? not sure. rep stated no visible sign of oil just silt and mud. just wanted to remove mud from base of building. came in contact with mud. on site at 10:15 hours. pete cooney - con ed electric construction |

**EXTERIOR ST - LANDING RD (Continued)** **S102180138**

division. tom willis - clean harbors. clean harbors on-site and will do cleanup at low tide, guzzling into rolloffs. will start tues or wed next week. expect 2 rolloffs of sediment. (MMM)10/23/95: Joe Deveny, Con Ed - Are under cable house sampled at request of Env. Affairs (Mariela Gonzalez). Oil found from retired oil regulator leaking. (CAE)10/24/95, 8:55 AM - Mariela Gonzalez (Con Ed EA). Clean Harbors assigned to clean up on site this morning. Will remove 30 - 40 yards. (CAE)10/27/95: Mariela Gonzalez - Clean Harbors working today - expected to finish today. Remove 35 yards of oily soil - found concrete slab under soil - going to remove. (CAE)10/30/95: site visit with Bob DePass (Con Ed EA). Requested copies of lab analytical. (CAE)11/6/95: lab data submitted by Con Ed. Results range from non detect to 86 ppm from various locations within the cable house.11/8/95: Wipe samples collected from below-grade concrete slab following initial clean up.11/15/95: results forwarded to DEC - six of eight samples equal or exceed EPA clean up standard for indoor surfaces of 10 ug/100 cm2.11/22/95: Letter from Con Ed formally transmitting wipe sample results. Will consider these surfaces cleaned. EPA requires low contact indoor surfaces to be <10 ug/100 cm2, and low contact outdoor surfaces to be <100 ug/100 cm2. As of 2/9/96, EPA considers manholes to be indoor. They are awaiting documentation from Con Ed to categorize these as outdoor. Since the highest concentration is 20 ug/100 cm2 and the area is restricted access and the structure is not a work place for anyone (people only go there every couple of years) will accept this level of clean up. (CAE)2/9/96: spoke to Dorothy Zoledziowska of USEPA Region 2 TSCA (908) 906-6811. Asked her if cable house would be considered low contact indoor restricted area or low contact outdoor restricted area fro purpose of clean up criteria. She said that this question has been asked by Con Ed before, concerning manholes. EPA would consider classifying manholes as outdoor structures, but are awaiting written request with information from Con Ed. So presently EPA considers manholes indoor surfaces thus requiring clean up to be done to <10 ug/100 cm2. We will apply this until EPA gives further guidance. Spill of original oil contained 136 ppm PCB by analysis. If this is the case, then Con Ed is only required to do a double wash/rinse. (CAE)4/96: Draft Scope of Work for Subsurface Environmental Investigation submitted for review.7/10/96: Phone call to Bob DePass (EA) - Con Ed has petitioned EPA (Dan Kraft - Region 2) to relax cleanup standards in MH to 100 ug/100 cm2 in cases where they have cleaned up multiple times. Agreed w/ DePass on plan for investigation: 6 borings less than or equal to 25’ from "manhole" offset by 30 degrees from one another. Also, one upgradient (backround) boring as close to property line as possible. (CAE)7/11/96: letter to Bob DePass confirming agreement of scope of work for investigation. (CAE)6/02: NYCDEP indicates their intention to purchase the property from Con Ed as part of Croton Water Treatment Plant Project. Spill transferred from Engelhardt to O’Connell. (JHO)7/18/02: Unable to find file on spill, I contacted Joe Coletta, Con Ed. He said he recalls that spill was to soil inside the cable crossing house (similar to a tunnel head house). He says Engelhardt responded, and All State was used to vac out soil. He will try to find out more info and get back to me. (JHO)2/7/03: Attempted to track down Joe Coletta - he retired from Con Ed in December. Joe Susco (SSO) indicated that he would try to track down more info on the spill - he thinks it is under the Distribution Group (where Coletta worked in 1995). Susco called back, said he spoke with Jim

**EXTERIOR ST - LANDING RD (Continued)** **S102180138**

McCabe (Bronx/Westchester EH&S), who may have some info. (JHO)2/26/03: found original spill file containing all info from spill date through July 1996. Entered info in database, will contact McCabe to track down Bob DePass for update - was investigation ever conducted? Results? (JHO)3/3/03: called Maureen Sicherman (Con Ed Remediation) - requested she attempt to track down file for this site. (JHO)11/30/04: Spill transferred to Arakhan for follow up. (JHO)Closed. 12-30-05. see eDocs. G. Breen

Remarks: 61 parts per million in soil sample taken from above location.unknown how much pcb oil is in ground. conctor will be on sitesat 10/21/95. clean harbor is contractor.

Material:

| | |
|---|---|
| Site ID: | 168036 |
| Operable Unit ID: | 1023305 |
| Operable Unit: | 01 |
| Material ID: | 359933 |
| Material Code: | 0017A |
| Material Name: | PCB OIL |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**E45 WSW < 1/8 0.082 mi. 431 ft.** **CON EDISON SERVICE BOX: 39682** **RCRA NonGen / NLR** **1016143366**
**189 9TH AVE** **NYP004261046**
**NEW YORK, NY 10014**

**Site 5 of 9 in cluster E**

**Relative: Lower**

**Actual: 44 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date form received by agency: | 03/21/2013 |
| Facility name: | CON EDISON SERVICE BOX: 39682 |
| Facility address: | 189 9TH AVE<br>NEW YORK, NY 10014 |
| EPA ID: | NYP004261046 |
| Contact: | JUAN RODRIGUEZ |
| Contact address: | Not reported<br>Not reported |
| Contact country: | Not reported |
| Contact telephone: | (347) 865-5931 |
| Contact email: | Not reported |
| EPA Region: | 02 |
| Classification: | Non-Generator |
| Description: | Handler: Non-Generators do not presently generate hazardous waste |

Handler Activities Summary:

| | |
|---|---|
| U.S. importer of hazardous waste: | No |
| Mixed waste (haz. and radioactive): | No |
| Recycler of hazardous waste: | No |
| Transporter of hazardous waste: | No |

**CON EDISON SERVICE BOX: 39682 (Continued)** **1016143366**

| | |
|---|---|
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |
| Used oil fuel burner: | No |
| Used oil processor: | No |
| User oil refiner: | No |
| Used oil fuel marketer to burner: | No |
| Used oil Specification marketer: | No |
| Used oil transfer facility: | No |
| Used oil transporter: | No |

Historical Generators:

| | |
|---|---|
| Date form received by agency: | 02/21/2013 |
| Site name: | CON EDISON SERVICE BOX: 39682 |
| Classification: | Conditionally Exempt Small Quantity Generator |
| Violation Status: | No violations found |

---

**D46 ENE < 1/8 0.086 mi. 454 ft.** **APARTMENT BUILDING 8 FORDHAM/SEDGWICK BRONX, NY** **NY Spills** **S104953328 N/A**

**Site 12 of 15 in cluster D**

**Relative: Higher**

**Actual: 101 ft.**

SPILLS:

| | |
|---|---|
| Facility ID: | 0012998 |
| Facility Type: | ER |
| DER Facility ID: | 176045 |
| Site ID: | 212494 |
| DEC Region: | 2 |
| Spill Date: | 10/1/2000 |
| Spill Number/Closed Date: | 0012998 / 10/31/2003 |
| Spill Cause: | Unknown |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | TJDEMEO |
| Referred To: | Not reported |
| Reported to Dept: | 3/12/2001 |
| CID: | 382 |
| Water Affected: | Not reported |
| Spill Source: | Private Dwelling |
| Spill Notifier: | Affected Persons |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/12/2001 |
| Spill Record Last Update: | 12/10/2007 |
| Spiller Name: | P LEONARD JONES |
| Spiller Company: | APARTMENT BUILDING 8 |
| Spiller Address: | FORDHAM/SEDCHWICK |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller Company: | 001 |
| Contact Name: | P LEONARD JONES |

**APARTMENT BUILDING 8 (Continued)** **S104953328**

Contact Phone: (718) 365-9600
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"10/31/03 TJDOld vapor complaint. No recent history. Spill closed.
Remarks: problem with oil fumes in the apartment building - occurring over long period of time

Material:
Site ID: 212494
Operable Unit ID: 834536
Operable Unit: 01
Material ID: 539726
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

---

**D47** **MANHOLE 29002** **NY Spills** **S103828353**
**ENE** **W FORDAM RD/ FREDWICK AVE** **N/A**
**< 1/8** **BRONX, NY**
**0.086 mi.**
**454 ft.** **Site 13 of 15 in cluster D**

**Relative:**
**Higher**

**Actual:**
**101 ft.**

SPILLS:
Facility ID: 9814036
Facility Type: ER
DER Facility ID: 146961
Site ID: 174759
DEC Region: 2
Spill Date: 2/19/1999
Spill Number/Closed Date: 9814036 / 10/21/2002
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 0301
Investigator: CAENGELH
Referred To: Not reported
Reported to Dept: 2/19/1999
CID: 382
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2/19/1999
Spill Record Last Update: 10/21/2002

**MANHOLE 29002 (Continued)** **S103828353**

Spiller Name: Not reported
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller City,St,Zip: NY
Spiller Company: 999
Contact Name: TONY CONSTANTINE
Contact Phone: (212) 580-6763
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"DEC Inspector Notes:2/24/98: Spoke to ERT Perez- he is ot investigate why spill ofoil appears to have been cleaned before PCB results obtained.Con ed e2mis notes:ON 2/20/99 TO crews responded to manhole to perform cleanup.Thre ws only a sheen in the manhole. Not 2 gallons of oil. Padswere placed to absorb sheen. There was not enough product in themanhole to take a sample. The sheen was completely absorbed withthe pads.
Remarks: CON ED 123-156. CLEAN UP PENDING LAB RESULTS. SPILL ON 6000 GAL OF WATER.

Material:
Site ID: 174759
Operable Unit ID: 1074919
Operable Unit: 01
Material ID: 310742
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum
Quantity: 2
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

---

**D48**
**ENE**
**< 1/8**
**0.086 mi.**
**454 ft.**

**MANHOLE # 12719** **NY Spills** **S106736203**
**SCHEDWICK AVE/FORDAM ROAD** **N/A**
**BRONX, NY**

**Site 14 of 15 in cluster D**

**Relative:**
**Higher**

**Actual:**
**101 ft.**

SPILLS:
Facility ID: 0410287
Facility Type: ER
DER Facility ID: 270557
Site ID: 335341
DEC Region: 2
Spill Date: 12/16/2004
Spill Number/Closed Date: 0410287 / 10/23/2006
Spill Cause: Equipment Failure
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 0301
Investigator: JHOCONNE
Referred To: Not reported
Reported to Dept: 12/16/2004
CID: 444

**MANHOLE # 12719 (Continued)** **S106736203**

| | |
|---|---|
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 12/20/2004 |
| Spill Record Last Update: | 10/23/2006 |
| Spiller Name: | ERT DESK |
| Spiller Company: | MANHOLE # 12719 |
| Spiller Address: | SCHEDWICK AVE/FORDAM ROAD |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller Company: | 001 |
| Contact Name: | ERT DESK |
| Contact Phone: | (212) 580-8383 |
| DEC Memo: | 10/23/06 - See e-docs for Con Ed report detailing cleanup and closure.e2mis no. 156612:16-Dec-2004 10:59 Oper Superv D. Scarimbolo 87659 reported while on location to inspect MH-12719 associated with Fdr 1X31 discovered 5 oz of cable oil from a leaking Raychem 3W1W stop joint on concrete. No sewers, waterways, or private property affected. This is a D-Fault hole and is pending removal from service and id of the feeder prior to cleanup. Env tag 02400 was placed and a pcb sample was taken on DD01269.17-Dec-2004 15:34Lab Sequence Number: 04-10473-001 TOTAL PCB 22 ppmThursday, December 16, 2004 4:47 PMLab Sequence Number: 04-10473-001 MATRIX: SOIL COMPOSITEInsufficient amount of sample for analysis.04-February-2005 06:40 HrsFlush Mechanic Mike Williams, 83739, reports he completed the cleanup, CFS tanker removed 125 gallons of nonhazardous oily water, Flush truck removed 1/2 cubic yard of flush debris, structure was double washed and rinsed using a degreaser, environmental tag has been removed, and there is no visual sign of source of oil in the structure. |
| Remarks: | 5 ounces leaking from a feeder: coned # 156612: no to 5 questions |

Material:

| | |
|---|---|
| Site ID: | 335341 |
| Operable Unit ID: | 1097410 |
| Operable Unit: | 01 |
| Material ID: | 577395 |
| Material Code: | 0020B |
| Material Name: | CABLE OIL |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

**D49 ENE < 1/8 0.086 mi. 454 ft.** | **MH 26481**
**BAILEY AVE AND FORDHAM RD**
**BRONX, NY**

**Site 15 of 15 in cluster D**

**NY Spills** | **S106969626**
**N/A**

**Relative: Higher**

**Actual: 101 ft.**

SPILLS:

| | |
|---|---|
| Facility ID: | 0504375 |
| Facility Type: | ER |
| DER Facility ID: | 295596 |
| Site ID: | 349137 |
| DEC Region: | 2 |
| Spill Date: | 7/12/2005 |
| Spill Number/Closed Date: | 0504375 / 9/19/2005 |
| Spill Cause: | Unknown |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | GDBREEN |
| Referred To: | Not reported |
| Reported to Dept: | 7/13/2005 |
| CID: | 62 |
| Water Affected: | Not reported |
| Spill Source: | Unknown |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 7/13/2005 |
| Spill Record Last Update: | 9/19/2005 |
| Spiller Name: | ERTS |
| Spiller Company: | MH 26481 |
| Spiller Address: | BAILEY AVE AND FORDHAM RD |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller Company: | 001 |
| Contact Name: | ERTS |
| Contact Phone: | (216) 593-7153 |
| DEC Memo: | 159708. 12-Jul-2005 22:04 hrs. FOD Sr. Field Operator Gary Cooper 19017 reports discovering 100 gals of unknown liquid (reported as an abnormal occurance) contained in MH-26481. being sampled on coc DD13417 for (oil) ID and PCB's after o/s Willie Armour 36069 inspected structure and confirmed unknown liquid substance. No smokeor fire is/was involved. No release to sewer or waters. No reported injuries. No private property affected. No agencies on site. Weather is hot and humid. Env yellow tag 42855 placed. Feeder 1x24 being processed and gen'l mgr wants to install a primary shunt (no outagesinvolved) only feeder Opened Auto. O/S Armour delivering samples to Chemlab. Rich Benkwitt12-Jul-2005 22:47 hrs. In conversation with ERT Maureen Evers requesting flashpoint. Called chemlab and they will spilt the load, as the samples are delivered now, and FOD doesnot have another 1 qt sample jar and left location already. ID will not be done until the 07:00 -15:00 shift due to manpower concerns in chemlab. Rich Benkwitt 3837313-Jul-2005 05:29 hrs. Called chemlab, LIMS down for two hours. Oil ID sample had a problem and was left for superviosr to review at 07:00 hours when he comes in. PCB should be ready in 1 hour. Flashpoint being worked on. |

**MH 26481 (Continued)** **S106969626**

Rich Benkwitt 3837313-Jun-2005 08:09 Oil Identification. Analysis indicates the presence of a cable
oil.
----------
----------PCB Analysis by EPA
608/
8082----------
----------Aroclor 1242 < 1.0 ppm EPA 608/8082Aroclor 1254 <
1.0 ppm EPA 608/8082Aroclor 1248 27.9 ppm EPA 608/8082Aroclor 1260 <
1.0 ppm EPA
608/
8082----------
----------TOTAL PCB 28 ppm13-Jul-2005 18:17 hrs. Change materials quantities to 2.5 gals of cable oil and 97.5 gals of water. Zero unk gals of liquid from 100 gals original report. Rich Benkwitt 3837313-Jul-2005 21:03 hrs. Mech A Ralph Budhoo 82277 and Russel Boden 86061 relieved at 20:30 hours by Mech A Mike Williams 83739 and Ade Wheeler 00380. Budhoo had reported 18:30 hours completed first wash with 760 soap solution and rinsed. Cleanup started by Budhoo at 16:45 hours and continuing with Mike Williams crew now. Rich Benkwitt 3837313-Jul-2005 22:44 hrs. Mech A Mike Williams 83739 reported 3x washed with 760 bio-gen soap solution and rinsed. Generated 800 gals of liquid into CFS <50 tanker for transportation to Astoria TSDF and 2.5 CY of soild debris generated into vactor for disposal at Hellgate Flush facility. Env yellow tag 42855 pulled from structure. Cleanup started at 16:45 and completed at 22:40 hrs. and the source the oil is a cable joint to be which going to be removed on Jul 14 7-3 shift. Rich Benkwitt 3837314-Jul-2005 17:05. As per FCR V. Headley 15702 the leaking cable joint was removed at 16:00.D. Rohrer 12788.Closed.
9-19-05. GB

Remarks: 159708.

Material:

| | |
|---|---|
| Site ID: | 349137 |
| Operable Unit ID: | 1106768 |
| Operable Unit: | 01 |
| Material ID: | 2096086 |
| Material Code: | 0066A |
| Material Name: | UNKNOWN PETROLEUM |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 100 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

**E50 WSW < 1/8 0.088 mi. 465 ft.** | **ROADWAY MAJOR DEEGAN S/B @ FORDHAM RD BRONX, NY** | **NY Spills** | **S109581297 N/A**

**Site 6 of 9 in cluster E**

**Relative: Lower**

**Actual: 39 ft.**

SPILLS:

| | |
|---|---|
| Facility ID: | 0813940 |
| Facility Type: | ER |
| DER Facility ID: | 360861 |
| Site ID: | 411656 |
| DEC Region: | 2 |
| Spill Date: | 3/26/2009 |
| Spill Number/Closed Date: | 0813940 / 3/27/2009 |
| Spill Cause: | Traffic Accident |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | SFRAHMAN |
| Referred To: | Not reported |
| Reported to Dept: | 3/26/2009 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Local Agency |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/26/2009 |
| Spill Record Last Update: | 3/27/2009 |
| Spiller Name: | JOHN PIMENTAL |
| Spiller Company: | UNKNOWN |
| Spiller Address: | MAJOR DEEGAN S/B @ FORDHAM RD |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller Company: | 999 |
| Contact Name: | JOHN PIMENTAL |
| Contact Phone: | (718) 433-3340 |
| DEC Memo: | 03/26/09 Spoke with OEM supervisor Mr. Barbierri. Spill occurred due to trucktor trailer accident, saddle tank leaked, approx. 20 gallons spilled on the roadway,minor impact in the drain.FD,OEM responded. NYC Sanitation putting down sand on the street.I told OEM rep on scene that if there is any drum with diesel at the site, the vehicle owner is responsible to take care of it.He said he would make sure the drum is taken away by the trailor.(sr) |
| Remarks: | A vehicle being towed ruptured its saddle tank spilling to blacktop. Cleanup is ongoing. |

Material:

| | |
|---|---|
| Site ID: | 411656 |
| Operable Unit ID: | 1168135 |
| Operable Unit: | 01 |
| Material ID: | 2159748 |
| Material Code: | 0008 |
| Material Name: | Diesel |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 20 |

**ROADWAY (Continued)** **S109581297**

| | |
|---|---|
| Units: | Gallons |
| Recovered: | Not reported |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**F51 WNW < 1/8 0.095 mi. 503 ft.** **CROTON AQUADUCT** **NY Spills** **S102446710**
**CROTON AQUADUCT** **N/A**
**BRONX, NY**

**Site 2 of 2 in cluster F**

**Relative: Lower**

**Actual: 5 ft.**

SPILLS:

| | |
|---|---|
| Facility ID: | 9611109 |
| Facility Type: | ER |
| DER Facility ID: | 168075 |
| Site ID: | 202050 |
| DEC Region: | 2 |
| Spill Date: | 11/30/1996 |
| Spill Number/Closed Date: | 9611109 / 12/9/1996 |
| Spill Cause: | Unknown |
| Spill Class: | Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | SMMARTIN |
| Referred To: | Not reported |
| Reported to Dept: | 12/9/1996 |
| CID: | 351 |
| Water Affected: | CROTON AQUADUCT |
| Spill Source: | Unknown |
| Spill Notifier: | Citizen |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 12/9/1996 |
| Spill Record Last Update: | 12/16/1996 |
| Spiller Name: | Not reported |
| Spiller Company: | UNKNOWN |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | NY |
| Spiller Company: | 999 |
| Contact Name: | UNKNOWN |
| Contact Phone: | (000) 000-0000 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"FAX TO REGION 3 "FYI" |
| Remarks: | CALLER STATES THAT THERE IS FREE PRODUCT IN THE WATER - HE STATED THAT THIS IS RELATED TO A SPILL HE REPORTED LAST WEEK TO REGION 3HE HAD NO FURTHER INFO |

Material:

| | |
|---|---|
| Site ID: | 202050 |
| Operable Unit ID: | 1042648 |

**CROTON AQUADUCT (Continued)** **S102446710**

| | |
|---|---|
| Operable Unit: | 01 |
| Material ID: | 343315 |
| Material Code: | 0008 |
| Material Name: | Diesel |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**E52** **2254 CEDAR AVE** **NY AST** **A100157510**
**SW** **2254 CEDAR AVENUE** **N/A**
**< 1/8** **BRONX, NY 10468**
**0.097 mi.**
**512 ft.** **Site 7 of 9 in cluster E**

**Relative:**
**Higher**

**Actual:**
**67 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-219371 |
| Program Type: | PBS |
| UTM X: | 591758.95906999998 |
| UTM Y: | 4524011.7567800004 |
| Expiration Date: | 07/01/2019 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 8404 |
| Affiliation Type: | Mail Contact |
| Company Name: | HAMDEN REALTY LLC |
| Contact Type: | MEMBER |
| Contact Name: | I CASTILLO |
| Address1: | 126 WEST FORDHAM RD |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10468 |
| Country Code: | 001 |
| Phone: | (718) 220-4323 |
| EMail: | CASTILLO@MSN.COM |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 5/14/2014 |

| | |
|---|---|
| Site Id: | 8404 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2254 CEDAR AVE |
| Contact Type: | Not reported |
| Contact Name: | IGNACIO CASTILLO |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |

**2254 CEDAR AVE (Continued)** **A100157510**

| | |
|---|---|
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 207-1428 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 5/14/2014 |

| | |
|---|---|
| Site Id: | 8404 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 2254 CEDAR LLC |
| Contact Type: | Not reported |
| Contact Name: | SANDRO ESCONDEN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (646) 529-6397 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | dxliving |
| Date Last Modified: | 11/13/2008 |

| | |
|---|---|
| Site Id: | 8404 |
| Affiliation Type: | Facility Owner |
| Company Name: | HAMPDEN REALTY LLC |
| Contact Type: | PRES |
| Contact Name: | IGNACIO CASTILLO |
| Address1: | 126 WEST FORDHAM RD |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10468 |
| Country Code: | 001 |
| Phone: | (718) 220-4323 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 5/14/2014 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 24108 |
| Material Code: | 0002 |
| Common Name of Substance: | #4 Fuel Oil (On-Site Consumption) |

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser

**2254 CEDAR AVE (Continued)** **A100157510**

L09 - Piping Leak Detection - Exempt Suction Piping
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 12/06/1956 |
| Capacity Gallons: | 3000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 05/14/2014 |
| Material Name: | #4 Fuel Oil (On-Site Consumption) |

---

**E53** **APT BLDG** **NY Spills** **S113405347**
**SW** **2254 CEDAR AVE** **N/A**
**< 1/8** **BRONX, NY**
**0.097 mi.**
**512 ft.** **Site 8 of 9 in cluster E**

**Relative:**
**Higher**

**Actual:**
**67 ft.**

SPILLS:

| | |
|---|---|
| Facility ID: | 1216029 |
| Facility Type: | ER |
| DER Facility ID: | 434642 |
| Site ID: | 479377 |
| DEC Region: | 2 |
| Spill Date: | 3/4/2013 |
| Spill Number/Closed Date: | 1216029 / 4/25/2013 |
| Spill Cause: | Unknown |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | vszhune |
| Referred To: | Not reported |
| Reported to Dept: | 3/4/2013 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/4/2013 |
| Spill Record Last Update: | 4/25/2013 |
| Spiller Name: | IGNACIO CASTILLO |
| Spiller Company: | EXCLUSIVE REALTY |
| Spiller Address: | 2254 CEDAR AVE |

**APT BLDG (Continued)** **S113405347**

| | |
|---|---|
| Spiller City,St,Zip: | BRONX, NY |
| Spiller Company: | 999 |
| Contact Name: | DAVID VEGA |
| Contact Phone: | 7183783000 |
| DEC Memo: | 3/29/2013 Sangesland called David Vega at Eastmond asking about status.04/16/13-Zhune visited the site met the super. As per the super the fill line is an underground line it was leaking. Eastmond removed the line and the soil contamination and collected two soil samples. Eastmond installed a new doble wall line. |
| Remarks: | contamination discovered when replacing fill line. Clean up in progress. |

Material:

| | |
|---|---|
| Site ID: | 479377 |
| Operable Unit ID: | 1229112 |
| Operable Unit: | 01 |
| Material ID: | 2226867 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | Not reported |
| Recovered: | Not reported |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**E54** **MAJOR DEEGAN & FORDHAM RD** **NY Spills** **S102142120**
**WSW** **MAJOR DEEGAN & FORDHAM RD** **N/A**
**< 1/8** **NEW YORK CITY, NY**
**0.104 mi.**
**551 ft.** **Site 9 of 9 in cluster E**

**Relative:**
**Lower**

**Actual:**
**26 ft.**

SPILLS:

| | |
|---|---|
| Facility ID: | 8909821 |
| Facility Type: | ER |
| DER Facility ID: | 73936 |
| Site ID: | 79665 |
| DEC Region: | 2 |
| Spill Date: | 1/12/1990 |
| Spill Number/Closed Date: | 8909821 / 12/8/1992 |
| Spill Cause: | Unknown |
| Spill Class: | Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | SIGONA |
| Referred To: | Not reported |
| Reported to Dept: | 1/12/1990 |
| CID: | Not reported |
| Water Affected: | HARLEM RIVER |
| Spill Source: | Unknown |
| Spill Notifier: | Fire Department |
| Cleanup Ceased: | 12/8/1992 |
| Cleanup Meets Std: | True |
| Last Inspection: | Not reported |

**MAJOR DEEGAN & FORDHAM RD (Continued)** **S102142120**

| | |
|---|---|
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1/23/1990 |
| Spill Record Last Update: | 12/10/1992 |
| Spiller Name: | Not reported |
| Spiller Company: | Not reported |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | ***Update***, ZZ |
| Spiller Company: | 001 |
| Contact Name: | Not reported |
| Contact Phone: | Not reported |
| DEC Memo: | Not reported |
| Remarks: | TELEPHONE POLES ON BARGE CAUGHT FIRE, USCG NOTIFIED, USCG TAKES NO ACTION FOR CREOSOTE, NYC FIRE DEPT HAZMAT PUTTING OUT FIRE, DEC (SIGONA) TO INVESTIGATE. |

Material:

| | |
|---|---|
| Site ID: | 79665 |
| Operable Unit ID: | 934759 |
| Operable Unit: | 01 |
| Material ID: | 442970 |
| Material Code: | 0180A |
| Material Name: | CREOSOTE |
| Case No.: | 08001589 |
| Material FA: | Hazardous Material |
| Quantity: | -1 |
| Units: | Not reported |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**G55**
**SE**
**< 1/8**
**0.111 mi.**
**588 ft.**

**SHIP GOL LTD** **NY AST** **A100360914**
**2287 LORING PLACE** **N/A**
**BRONX, NY 10468**

**Site 1 of 13 in cluster G**

**Relative:**
**Higher**

**Actual:**
**154 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-611798 |
| Program Type: | PBS |
| UTM X: | 591945.78261999995 |
| UTM Y: | 4523899.6171700004 |
| Expiration Date: | 02/01/2016 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 463015 |
| Affiliation Type: | Facility Owner |
| Company Name: | SHIP GOL LTD C/O SHAPIRO |
| Contact Type: | PRESIDENT |
| Contact Name: | BARRY SHAPIRO |

**SHIP GOL LTD (Continued)** **A100360914**

| | |
|---|---|
| Address1: | 2287 LORING PLACE |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10468 |
| Country Code: | 001 |
| Phone: | (718) 584-0333 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 4/13/2012 |

| | |
|---|---|
| Site Id: | 463015 |
| Affiliation Type: | Mail Contact |
| Company Name: | SHIP GOL LTD - 1E |
| Contact Type: | Not reported |
| Contact Name: | BARRY SHAPIRO |
| Address1: | 2287 LORING PLACE |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10468 |
| Country Code: | 001 |
| Phone: | (718) 584-0333 |
| EMail: | BARRYMARILYN@YAHOO.COM |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 4/13/2012 |

| | |
|---|---|
| Site Id: | 463015 |
| Affiliation Type: | On-Site Operator |
| Company Name: | SHIP GOL LTD |
| Contact Type: | Not reported |
| Contact Name: | ALBERTO LOPEZ |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (347) 527-3721 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 4/13/2012 |

| | |
|---|---|
| Site Id: | 463015 |
| Affiliation Type: | Emergency Contact |
| Company Name: | SHIP GOL LTD C/O SHAPIRO |
| Contact Type: | Not reported |
| Contact Name: | BARRY SHAPIRO |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |

**SHIP GOL LTD (Continued)** **A100360914**

| | |
|---|---|
| Phone: | (516) 993-4901 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 4/13/2012 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 243664 |
| Material Code: | 0002 |
| Common Name of Substance: | #4 Fuel Oil (On-Site Consumption) |

Equipment Records:

C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
D02 - Pipe Type - Galvanized Steel
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
A01 - Tank Internal Protection - Epoxy Liner
I05 - Overfill - Vent Whistle
L00 - Piping Leak Detection - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
K00 - Spill Prevention - None

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 02/01/2011 |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | BVCAMPBE |
| Last Modified: | 04/13/2012 |
| Material Name: | #4 Fuel Oil (On-Site Consumption) |

---

**56**
**SW**
**< 1/8**
**0.114 mi.**
**603 ft.**

**HUNDLEY RESD** **NY Spills** **S110539928**
**2240 CEDAR AVE** **N/A**
**BRONX, NY**

**Relative:**
**Higher**

**Actual:**
**69 ft.**

SPILLS:

| | |
|---|---|
| Facility ID: | 1006759 |
| Facility Type: | ER |
| DER Facility ID: | 395136 |
| Site ID: | 440135 |
| DEC Region: | 2 |
| Spill Date: | 9/22/2010 |
| Spill Number/Closed Date: | 1006759 / 9/23/2010 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. |

**HUNDLEY RESD (Continued)** **S110539928**

| | |
|---|---|
| | Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | SFRAHMAN |
| Referred To: | Not reported |
| Reported to Dept: | 9/22/2010 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Private Dwelling |
| Spill Notifier: | Affected Persons |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 9/22/2010 |
| Spill Record Last Update: | 9/23/2010 |
| Spiller Name: | MACK WELSH |
| Spiller Company: | HUNDLEY RESD |
| Spiller Address: | 2240 CEDAR AVE |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller Company: | 999 |
| Contact Name: | MACK WELSH |
| Contact Phone: | (516) 661-7767 |
| DEC Memo: | Spoke with Mack Welsh, home owner.The old suction line runs above ground and developed a leak on it spilling approx. 5 gallon on the floor.Spill was cleaned up immediately, as per Mack Welsh. The house is vacant now.No drain was impacted.A new line will be installed.Leak has been stopped placing a patch on the old line.Case closed. |
| Remarks: | TANK LINE LEAKED IN BASEMENT WITH CONCRETE FLOOR. |

Material:

| | |
|---|---|
| Site ID: | 440135 |
| Operable Unit ID: | 1190753 |
| Operable Unit: | 01 |
| Material ID: | 2185818 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 8 |
| Units: | Gallons |
| Recovered: | Not reported |
| Resource Affected: | Not reported |
| Oxygenate: | False |
| Site ID: | 440135 |
| Operable Unit ID: | 1190753 |
| Operable Unit: | 01 |
| Material ID: | 2185819 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 8 |
| Units: | Gallons |
| Recovered: | Not reported |
| Resource Affected: | Not reported |
| Oxygenate: | False |

**HUNDLEY RESD (Continued)** **S110539928**

Tank Test:

---

**G57 ESE < 1/8 0.122 mi. 643 ft.** **2333 LORING PLACE 2333 LORING PLACE BRONX, NY 10468** **NY AST** **U003393347 N/A**

**Site 2 of 13 in cluster G**

**Relative: Higher**

**Actual: 156 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-338168 |
| Program Type: | PBS |
| UTM X: | 592076.39304 |
| UTM Y: | 4524112.5968399998 |
| Expiration Date: | 12/14/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 16240 |
| Affiliation Type: | Mail Contact |
| Company Name: | LORING PLACE PROPERTIES, LLC |
| Contact Type: | Not reported |
| Contact Name: | SOLAR REALTY MANAGEMENT CORP. |
| Address1: | 57 WEST 38TH STREET |
| Address2: | 2ND FLOOR |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10116 |
| Country Code: | 001 |
| Phone: | (212) 633-9985 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | dxliving |
| Date Last Modified: | 3/11/2008 |

| | |
|---|---|
| Site Id: | 16240 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2333 LORING PLACE |
| Contact Type: | Not reported |
| Contact Name: | BEBLIN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (347) 678-1667 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | dxliving |
| Date Last Modified: | 3/11/2008 |

| | |
|---|---|
| Site Id: | 16240 |
| Affiliation Type: | Emergency Contact |
| Company Name: | LORING PLACE PROPERTIES, LLC |

**2333 LORING PLACE (Continued)** **U003393347**

| | |
|---|---|
| Contact Type: | Not reported |
| Contact Name: | ASLA CAPIN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (212) 633-9985 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | dxliving |
| Date Last Modified: | 3/11/2008 |

| | |
|---|---|
| Site Id: | 16240 |
| Affiliation Type: | Facility Owner |
| Company Name: | LORING PLACE PROPERTIES, LLC |
| Contact Type: | COMPLIANCE |
| Contact Name: | ASLIHAN CAPIN |
| Address1: | PO BOX 1969 - JAF STATION |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10116 |
| Country Code: | 001 |
| Phone: | (212) 633-9985 215 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | dxliving |
| Date Last Modified: | 3/11/2008 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 27746 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H99 - Tank Leak Detection - Other
I05 - Overfill - Vent Whistle
B00 - Tank External Protection - None
K00 - Spill Prevention - None
G03 - Tank Secondary Containment - Vault (w/o access)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |

**2333 LORING PLACE (Continued)** **U003393347**

| | |
|---|---|
| Install Date: | 01/01/1988 |
| Capacity Gallons: | 2000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | KAKYER |
| Last Modified: | 01/07/2013 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

---

**G58** **ECR REALTY** **NY LTANKS** **S103558627**
**ESE** **2326 LORING PLACE** **N/A**
**< 1/8** **BRONX, NY**
**0.122 mi.**
**643 ft.** **Site 3 of 13 in cluster G**

**Relative:**
**Higher**

**Actual:**
**156 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 134870 |
| Spill Number/Closed Date: | 9811009 / 5/6/2005 |
| Spill Date: | 12/2/1998 |
| Spill Cause: | Tank Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | True |
| SWIS: | 0301 |
| Investigator: | SMSANGES |
| Referred To: | Not reported |
| Reported to Dept: | 12/2/1998 |
| CID: | 252 |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 12/2/1998 |
| Spill Record Last Update: | 7/5/2006 |
| Spiller Name: | MITCH |
| Spiller Company: | ECR REALTY |
| Spiller Address: | 2326 LORING PLACE |
| Spiller City,St,Zip: | BRONX, ZZ |
| Spiller County: | 001 |
| Spiller Contact: | MITCH |
| Spiller Phone: | (212) 889-4406 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 115811 |
| DEC Memo: | 5/6/2005 Sangesland received a submittal from Frank Claro (Owner's Rep) of Loring PL LLC (718-664-6600). Submittal shows that Abilene Heating Group removed the 4,000 gal tank in Nov 1999 and replaced it with a new 3,000 gal tank. This new tank has been pressure tested & passed. Photographs of the new tank and the basement area show the site is clean and in proper working order. Spill Closed - 5/6/2005 |
| Remarks: | SPILL CREW DISPATCHED FOR CLEAN UP AND PUMPING OUT TANK-TEMPORARY TANK TO BE INSTALLED. |

**ECR REALTY (Continued)** **S103558627**

Material:

| | |
|---|---|
| Site ID: | 134870 |
| Operable Unit ID: | 1071885 |
| Operable Unit: | 01 |
| Material ID: | 314864 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**G59** **2316 LORING PLACE** **NY Spills** **S102150513**
**SE** **2316 LORING PLACE** **N/A**
**< 1/8** **BRONX, NY**
**0.122 mi.**
**644 ft.** **Site 4 of 13 in cluster G**

**Relative:**
**Higher**

**Actual:**
**157 ft.**

SPILLS:

| | |
|---|---|
| Facility ID: | 9505143 |
| Facility Type: | ER |
| DER Facility ID: | 228681 |
| Site ID: | 281647 |
| DEC Region: | 2 |
| Spill Date: | 7/27/1995 |
| Spill Number/Closed Date: | 9505143 / 7/27/1995 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | KSTANG |
| Referred To: | Not reported |
| Reported to Dept: | 7/27/1995 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | 7/27/1995 |
| Cleanup Meets Std: | True |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 8/7/1995 |
| Spill Record Last Update: | 9/30/2004 |
| Spiller Name: | Not reported |
| Spiller Company: | CASTLE OIL |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | NY |
| Spiller Company: | 999 |
| Contact Name: | Not reported |

**2316 LORING PLACE (Continued)** **S102150513**

| | |
|---|---|
| Contact Phone: | Not reported |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG" |
| Remarks: | DEFECTIVE GAUGE SPILLED ONTO SIDEWALK AND CLEANED UP. |

Material:

| | |
|---|---|
| Site ID: | 281647 |
| Operable Unit ID: | 1016148 |
| Operable Unit: | 01 |
| Material ID: | 366672 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 10 |
| Units: | Gallons |
| Recovered: | 10 |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Facility ID: | 9508364 |
| Facility Type: | ER |
| DER Facility ID: | 228681 |
| Site ID: | 281648 |
| DEC Region: | 2 |
| Spill Date: | 10/9/1995 |
| Spill Number/Closed Date: | 9508364 / 1/28/1997 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | UNASSIGNED |
| Referred To: | Not reported |
| Reported to Dept: | 10/9/1995 |
| CID: | 205 |
| Water Affected: | Not reported |
| Spill Source: | Private Dwelling |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 10/9/1995 |
| Spill Record Last Update: | 1/28/1997 |
| Spiller Name: | Not reported |
| Spiller Company: | CASTLE OIL CO |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | ZZ |
| Spiller Company: | 001 |
| Contact Name: | KARYAS REALITY |
| Contact Phone: | (212) 584-2620 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "X" |

**2316 LORING PLACE (Continued)** **S102150513**

| | |
|---|---|
| | Not reported |
| Remarks: | defective gauge on building. |

Material:

| | |
|---|---|
| Site ID: | 281648 |
| Operable Unit ID: | 1022866 |
| Operable Unit: | 01 |
| Material ID: | 362873 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 25 |
| Units: | Gallons |
| Recovered: | 25 |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**H60**
**South**
**< 1/8**
**0.123 mi.**
**649 ft.**

**CON EDISON MANHOLE 21258** **RCRA NonGen / NLR** **1014919024**
**W 183RD ST & SEDGWICK AVE** **NJ MANIFEST** **NYP004226454**
**BRONX, NY 10451**

**Site 1 of 2 in cluster H**

**Relative:**
**Higher**

**Actual:**
**147 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date form received by agency: | 03/04/2011 |
| Facility name: | CON EDISON MANHOLE 21258 |
| Facility address: | W 183RD ST & SEDGWICK AVE |
| | BRONX, NY 10451 |
| EPA ID: | NYP004226454 |
| Mailing address: | IRVING PL RM 828 |
| | NEW YORK, NY 10003 |
| Contact: | CHRISTOPHER BLAICH |
| Contact address: | Not reported |
| | Not reported |
| Contact country: | Not reported |
| Contact telephone: | (914) 925-6219 |
| Contact email: | Not reported |
| EPA Region: | 02 |
| Classification: | Non-Generator |
| Description: | Handler: Non-Generators do not presently generate hazardous waste |

Handler Activities Summary:

| | |
|---|---|
| U.S. importer of hazardous waste: | No |
| Mixed waste (haz. and radioactive): | No |
| Recycler of hazardous waste: | No |
| Transporter of hazardous waste: | No |
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |
| Used oil fuel burner: | No |
| Used oil processor: | No |
| User oil refiner: | No |

**CON EDISON MANHOLE 21258 (Continued)** **1014919024**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/02/2011
Site name: CON EDISON MANHOLE 21258
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NJ MANIFEST:
EPA Id: NYP004226454
Mail Address: IRVING PL RM 828
Mail City/State/Zip: NEW YORK, NY 10003
Facility Phone: Not reported
Emergency Phone: Not reported
Contact: CHRISTOPHER BLAICH
Comments: Not reported
SIC Code: Not reported
County: NY005
Municipal: Not reported
Previous EPA Id: Not reported
Gen Flag: Not reported
Trans Flag: Not reported
TSDF Flag: Not reported
Name Change: Not reported
Date Change: Not reported

Manifest:
Manifest Number: 007655800JJK
EPA ID: NYP004226454
Date Shipped: 2/2/2011
TSDF EPA ID: NJD002200046
Transporter EPA ID: NYD006982359
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: Not reported
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: Not reported
Generator EPA Facility Name: CONSOLIDATED EDISON CO OF NY MH #21258
Transporter-1 EPA Facility Name: CONSOLIDATED EDISON CO OF NY
TSDF EPA Facility Name: CYCLE CHEM INC

**CON EDISON MANHOLE 21258 (Continued)** **1014919024**

| | |
|---|---|
| QTY Units: | Pounds |
| Transporter SEQ ID: | 1.00 |
| Transporter-1 Date: | 2/2/2011 |
| Waste SEQ ID: | 1.00 |
| Waste Type Code 2: | Not reported |
| Waste Type Code 3: | Not reported |
| Waste Type Code 4: | Not reported |
| Waste Type Code 5: | Not reported |
| Waste Type Code 6: | Not reported |
| Date Accepted: | 2/3/2011 |
| Manifest Discrepancy Type: | Type |
| Data Entry Number: | Not reported |
| Was Load Rejected: | NEW YORK, NY 10003 |
| Reason Load Was Rejected: | Not reported |

Waste:

| | |
|---|---|
| Manifest Year: | 2011 New Jersey Manifest Data |
| Waste Code: | D008 |
| Hand Code: | H111 |
| Quantity: | 200.00 Pounds |

---

**H61** **CONSOLIDATED EDISON** **NY MANIFEST** **S110823859**
**South** **W 183 ST & SEDGEWICK AVE** **N/A**
**< 1/8** **BRONX, NY 10451**
**0.123 mi.**
**649 ft.** **Site 2 of 2 in cluster H**

**Relative:**
**Higher**

**Actual:**
**147 ft.**

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYP004228058 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | CONSOLIDATED EDISON |
| Contact: | TOM TEELING |
| Address: | 4 IRVING PLACE RM 828 |
| City/State/Zip: | NEW YORK, NY 10003 |
| Country: | USA |
| Phone: | 212-460-3770 |

Manifest:

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NYD006982359 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 02/16/2011 |
| Trans1 Recv Date: | 02/16/2011 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 02/17/2011 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004228058 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD002200046 |

**CONSOLIDATED EDISON (Continued)** **S110823859**

| | |
|---|---|
| Waste Code: | Not reported |
| Quantity: | 750.0 |
| Units: | P - Pounds |
| Number of Containers: | 1.0 |
| Container Type: | TT - Cargo tank, tank trucks |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 1.0 |
| Year: | 2011 |
| Manifest Tracking Num: | 007655796JJK |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | Y |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H111 |

---

**G62** **2326 LORING PL** **NY AST** **U003391818**
**ESE** **2326 LORING PL N** **NY HIST AST** **N/A**
**< 1/8** **BRONX, NY 10468**
**0.123 mi.**
**650 ft.** **Site 5 of 13 in cluster G**

**Relative:**
**Higher**

**Actual:**
**157 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-216127 |
| Program Type: | PBS |
| UTM X: | 592061.25222999998 |
| UTM Y: | 4524087.2004699996 |
| Expiration Date: | 10/04/2015 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 8112 |
| Affiliation Type: | Mail Contact |
| Company Name: | LORING REALTY LLC |
| Contact Type: | MEMBER |
| Contact Name: | RICHARD MAURICE |
| Address1: | 1461 1ST AVENUE #372 |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10075 |
| Country Code: | 001 |
| Phone: | (516) 829-9600 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 11/9/2010 |

| | |
|---|---|
| Site Id: | 8112 |
| Affiliation Type: | On-Site Operator |

**2326 LORING PL (Continued)** **U003391818**

| | |
|---|---|
| Company Name: | LORING REALTY LLC |
| Contact Type: | Not reported |
| Contact Name: | JOHN WATERMAN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (646) 996-7110 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 11/9/2010 |

| | |
|---|---|
| Site Id: | 8112 |
| Affiliation Type: | Emergency Contact |
| Company Name: | LORING REALTY LLC |
| Contact Type: | Not reported |
| Contact Name: | JOHN WATERMAN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (646) 996-7110 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 11/9/2010 |

| | |
|---|---|
| Site Id: | 8112 |
| Affiliation Type: | Facility Owner |
| Company Name: | LORING REALTY LLC |
| Contact Type: | MEMBER |
| Contact Name: | RICHARD MAURICE |
| Address1: | 1461 1ST AVENUE #372 |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10075 |
| Country Code: | 001 |
| Phone: | (516) 829-9600 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 11/9/2010 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 89811 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

**2326 LORING PL (Continued)** **U003391818**

Equipment Records:

K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
E02 - Piping Secondary Containment - Vault (with Access)
L00 - Piping Leak Detection - None
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
I01 - Overfill - Float Vent Valve

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 05/01/1999 |
| Capacity Gallons: | 3000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | KXTANG |
| Last Modified: | 10/04/2005 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

| | |
|---|---|
| Tank Number: | 001-A |
| Tank Id: | 89815 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | Closed - Removed |
| Pipe Model: | Not reported |
| Install Date: | Not reported |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | 05/01/1999 |
| Register: | True |
| Modified By: | TRANSLAT |

**2326 LORING PL (Continued)** **U003391818**

Last Modified: 03/04/2004
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

| | |
|---|---|
| PBS Number: | 2-216127 |
| SWIS Code: | 6001 |
| Operator: | DANIEL |
| Facility Phone: | (718) 561-0591 |
| Facility Addr2: | 2326 LORING PL N |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | DANIEL |
| Emergency Tel: | (917) 630-2755 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | GERP 12, LLC C/O ECR REALTY CORPORATION |
| Owner Address: | 6 EAST 39TH STREET, SUITE 1101 |
| Owner City,St,Zip: | NEW YORK, NY 10016 |
| Federal ID: | Not reported |
| Owner Tel: | (212) 889-4400 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | SABI BONOMOLO |
| Mailing Name: | ABILENE INC. |
| Mailing Address: | 2402 NEPTUNE AVENUE |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BROOKLYN, NY 11224 |
| Mailing Telephone: | (718) 372-4210 |
| Owner Mark: | Second Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 06/25/1999 |
| Expiration: | 04/02/2003 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 3000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | No Missing Data |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | Closed-Removed |
| Install Date: | Not reported |
| Capacity (Gal): | 4000 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |

**2326 LORING PL (Continued)** **U003391818**

| | |
|---|---|
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | None |
| Leak Detection: | 0 |
| Overfill Protection: | 4 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | 05/01/1999 |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**G63** **1678 KARYAS REALTY** **NY AST** **U003390246**
**SE** **2316 LORING PL N** **NY HIST AST** **N/A**
**< 1/8** **NY, NY 10468**
**0.124 mi.**
**653 ft.** **Site 6 of 13 in cluster G**

**Relative:**
**Higher**

**Actual:**
**157 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-210455 |
| Program Type: | PBS |
| UTM X: | 592042.53417999996 |
| UTM Y: | 4524055.8038499998 |
| Expiration Date: | 08/14/2018 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 7616 |
| Affiliation Type: | Facility Owner |
| Company Name: | 1678 KARYAS REALTY |
| Contact Type: | PRESIDENT |
| Contact Name: | M GOLDBERG |
| Address1: | 5600A BROADWAY |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10463 |
| Country Code: | 001 |
| Phone: | (718) 432-1700 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 6/26/2013 |

| | |
|---|---|
| Site Id: | 7616 |
| Affiliation Type: | Mail Contact |
| Company Name: | 1678 KARYAS REALTY |

**1678 KARYAS REALTY (Continued)** **U003390246**

| | |
|---|---|
| Contact Type: | PRESIDENT |
| Contact Name: | M GOLDBERG |
| Address1: | 5600A BROADWAY |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10463 |
| Country Code: | 001 |
| Phone: | (718) 432-1700 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 6/26/2013 |

| | |
|---|---|
| Site Id: | 7616 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 1678 KARYAS REALTY |
| Contact Type: | Not reported |
| Contact Name: | SALVADOR SANTANA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 584-2620 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 7616 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 1678 KARYAS REALTY |
| Contact Type: | Not reported |
| Contact Name: | M GOLDBERG |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 584-7187 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 9/11/2008 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 18681 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

**1678 KARYAS REALTY (Continued)** **U003390246**

G00 - Tank Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 02/01/1927 |
| Capacity Gallons: | 3000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | KAKYER |
| Last Modified: | 06/26/2013 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-210455 |
| SWIS Code: | 6001 |
| Operator: | SALVADOR SANTANA |
| Facility Phone: | (718) 584-2620 |
| Facility Addr2: | 2316 LORING PL N |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | RAMON CRUZ |
| Emergency Tel: | (718) 584-7187 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | 1678 KARYAS REALTY |
| Owner Address: | 2855 GRAND CONCOURSE |
| Owner City,St,Zip: | BRONX, NY 10468 |
| Federal ID: | Not reported |
| Owner Tel: | (718) 584-2620 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | RAMON CRUZ |
| Mailing Name: | 1678 KARYAS REALTY |
| Mailing Address: | 2855 GRAND CONCOURSE |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10468 |
| Mailing Telephone: | (718) 584-2620 |
| Owner Mark: | Second Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |

**1678 KARYAS REALTY (Continued)** **U003390246**

| | |
|---|---|
| Certification Flag: | False |
| Certification Date: | 08/17/1998 |
| Expiration: | 08/14/2003 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 3000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |
| | |
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 3000 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | None |
| Leak Detection: | 0 |
| Overfill Protection: | 4 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | False |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**G64** **2312 LORING PLACE** **NY AST** **U003395406**
**SE** **2312 LORING PLACE N** **NY HIST AST** **N/A**
**< 1/8** **BRONX, NY 10468**
**0.124 mi.**
**655 ft.** **Site 7 of 13 in cluster G**

**Relative:**
**Higher**

**Actual:**
**157 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Inactive |
| Facility Id: | 2-509922 |
| Program Type: | PBS |
| UTM X: | 592035.04695999995 |
| UTM Y: | 4524043.2451999998 |

**2312 LORING PLACE (Continued)** **U003395406**

Expiration Date: 02/04/1996
Site Type: Unknown

Affiliation Records:

Site Id: 21812
Affiliation Type: Facility Owner
Company Name: SANDRA CONCHADO%WAVECREST MGNT
Contact Type: Not reported
Contact Name: Not reported
Address1: 42-40 BELL BLVD
Address2: Not reported
City: BAYSIDE
State: NY
Zip Code: 11361
Country Code: 001
Phone: (718) 279-3100
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 21812
Affiliation Type: Mail Contact
Company Name: SANDRA CONCHADO%WAVECREST MGNT
Contact Type: Not reported
Contact Name: Not reported
Address1: 42-40 BELL BLVD
Address2: Not reported
City: BAYSIDE
State: NY
Zip Code: 11361
Country Code: 001
Phone: (718) 279-3100
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 21812
Affiliation Type: On-Site Operator
Company Name: 2312 LORING PLACE
Contact Type: Not reported
Contact Name: RAYMOND RODRIGUEZ
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 279-3100
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 21812
Affiliation Type: Emergency Contact
Company Name: SANDRA CONCHADO%WAVECREST MGNT

**2312 LORING PLACE (Continued)** **U003395406**

| | |
|---|---|
| Contact Type: | Not reported |
| Contact Name: | LEO COEFIELD |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (914) 965-4715 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 39721 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

| | |
|---|---|
| | B00 - Tank External Protection - None |
| | C00 - Pipe Location - No Piping |
| | F00 - Pipe External Protection - None |
| | I04 - Overfill - Product Level Gauge (A/G) |
| | A00 - Tank Internal Protection - None |
| | D01 - Pipe Type - Steel/Carbon Steel/Iron |
| | J02 - Dispenser - Suction Dispenser |
| | G00 - Tank Secondary Containment - None |
| | H00 - Tank Leak Detection - None |
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | Tank Converted to Non-Regulated Use |
| Pipe Model: | Not reported |
| Install Date: | Not reported |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | 10/01/1998 |
| Register: | True |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-509922 |
| SWIS Code: | 6001 |
| Operator: | RAYMOND RODRIGUEZ |
| Facility Phone: | (718) 279-3100 |
| Facility Addr2: | 2312 LORING PLACE N |
| Facility Type: | Not reported |
| Emergency: | LEO COEFIELD |
| Emergency Tel: | (914) 965-4715 |
| Old PBSNO: | Not reported |

**2312 LORING PLACE (Continued)** **U003395406**

| | |
|---|---|
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | SANDRA CONCHADO%WAVECREST MGNT |
| Owner Address: | 42-40 BELL BLVD |
| Owner City,St,Zip: | BAYSIDE, NY 11361 |
| Federal ID: | Not reported |
| Owner Tel: | (718) 279-3100 |
| Owner Type: | Not reported |
| Owner Subtype: | Not reported |
| Mailing Contact: | Not reported |
| Mailing Name: | SANDRA CONCHADO%WAVECREST MGNT |
| Mailing Address: | 42-40 BELL BLVD |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BAYSIDE, NY 11361 |
| Mailing Telephone: | (718) 279-3100 |
| Owner Mark: | First Owner |
| Facility Status: | 3 - Administratively closed (reasons include business is closed and/or mail is undeliverable, and staff cannot check if tanks were removed; or a duplicate registration was generated). |
| Certification Flag: | False |
| Certification Date: | 02/08/1991 |
| Expiration: | 02/04/1996 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 0 |
| FAMT: | True |
| Facility Screen: | Minor Data Missing |
| Owner Screen: | Minor Data Missing |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |
| | |
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | Undefined |
| Install Date: | Not reported |
| Capacity (Gal): | 4000 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | None |
| Leak Detection: | 0 |
| Overfill Protection: | 4 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |

**2312 LORING PLACE (Continued)** **U003395406**

| | |
|---|---|
| Date Closed: | 10/01/1998 |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | False |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**G65** **1678 KARYAS REALTY** **NY AST** **A100321665**
**SE** **2312 LORING PLACE NORTH** **N/A**
**< 1/8** **BRONX, NY 10468**
**0.124 mi.**
**655 ft.** **Site 8 of 13 in cluster G**

**Relative:**
**Higher**

**Actual:**
**157 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-210447 |
| Program Type: | PBS |
| UTM X: | 592035.04695999995 |
| UTM Y: | 4524043.2451999998 |
| Expiration Date: | 08/14/2018 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 7615 |
| Affiliation Type: | Facility Owner |
| Company Name: | 1678 KARYAS REALTY |
| Contact Type: | PRESIDENT |
| Contact Name: | M GOLDBERG |
| Address1: | 5600A BROADWAY |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10463 |
| Country Code: | 001 |
| Phone: | (718) 432-1700 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 6/26/2013 |

| | |
|---|---|
| Site Id: | 7615 |
| Affiliation Type: | Mail Contact |
| Company Name: | 1678 KARYAS REALTY |
| Contact Type: | PRESIDENT |
| Contact Name: | M GOLDBERG |
| Address1: | 5600A BROADWAY |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10463 |
| Country Code: | 001 |
| Phone: | (718) 432-1700 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 6/26/2013 |

**1678 KARYAS REALTY (Continued)** **A100321665**

| | |
|---|---|
| Site Id: | 7615 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 1678 KARYAS REALTY |
| Contact Type: | Not reported |
| Contact Name: | SALVADOR SANTANA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 584-2620 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 7615 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 1678 KARYAS REALTY |
| Contact Type: | Not reported |
| Contact Name: | M GOLDBERG |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 584-7187 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 9/11/2008 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 18680 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |

**1678 KARYAS REALTY (Continued)** **A100321665**

| | |
|---|---|
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 02/01/1927 |
| Capacity Gallons: | 3000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | KAKYER |
| Last Modified: | 06/26/2013 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

---

**G66** **2322 LORING PL** **NY HIST UST** **U000407730**
**SE** **2322 LORING PLACE** **NY AST** **N/A**
**< 1/8** **BRONX, NY 10468**
**0.124 mi.**
**655 ft.** **Site 9 of 13 in cluster G**

**Relative:**
**Higher**

**Actual:**
**157 ft.**

HIST UST:

| | |
|---|---|
| PBS Number: | 2-338184 |
| SPDES Number: | Not reported |
| Emergency Contact: | AVCO ASSOCIATES |
| Emergency Telephone: | (718) 543-8787 |
| Operator: | Not reported |
| Operator Telephone: | (917) 483-2538 |
| Owner Name: | AVCO ASSOCIATES |
| Owner Address: | 3154 ALBANY CRESCENT |
| Owner City,St,Zip: | BRONX, NY 10463 |
| Owner Telephone: | (718) 543-8787 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Name: | AVCO ASSOCIATES |
| Mailing Address: | 3152 ALBANY CRESCENT |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10463 |
| Mailing Contact: | Not reported |
| Mailing Telephone: | (718) 543-8787 |
| Owner Mark: | Second Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Facility Addr2: | 2322 LORING PL N |
| SWIS ID: | 6001 |
| Old PBS Number: | Not reported |
| Facility Type: | APARTMENT BUILDING |
| Inspected Date: | Not reported |
| Inspector: | Not reported |
| Inspection Result: | Not reported |
| Federal ID: | Not reported |
| Certification Flag: | False |
| Certification Date: | Not reported |
| Expiration Date: | 03/13/2007 |
| Renew Flag: | False |
| Renewal Date: | 11/13/2001 |
| Total Capacity: | 3000 |
| FAMT: | True |
| Facility Screen: | Major Data Missing (which is on the certificate) |

**2322 LORING PL (Continued)** **U000407730**

| | |
|---|---|
| Owner Screen: | No Missing Data |
| Tank Screen: | No Missing Data |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank Id: | 001 |
| Tank Location: | UNDERGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (gals): | 3000 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | None |
| Tank External: | Jacketed |
| Pipe Location: | Aboveground |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | None |
| Pipe External: | None |
| Second Containment: | None |
| Leak Detection: | Other |
| Overfill Prot: | Vent Whistle, Product Level Gauge |
| Dispenser: | Suction |
| Date Tested: | 04/01/1998 |
| Next Test Date: | 04/01/2003 |
| Missing Data for Tank: | No Missing Data |
| Date Closed: | Not reported |
| Test Method: | Horner EZ Check |
| Deleted: | False |
| Updated: | True |
| Lat/long: | Not reported |

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-338184 |
| Program Type: | PBS |
| UTM X: | 592053.76500999997 |
| UTM Y: | 4524074.6418199996 |
| Expiration Date: | 12/14/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 16242 |
| Affiliation Type: | Mail Contact |
| Company Name: | LORING PLACE PROPERTIES, LLC |
| Contact Type: | Not reported |
| Contact Name: | SOLAR REALTY MANAGEMENT CORP. |
| Address1: | 57 WEST 38TH ST., 2ND FLOOR |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10116 |

**2322 LORING PL (Continued)** **U000407730**

| | |
|---|---|
| Country Code: | 001 |
| Phone: | (212) 633-9985 215 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | dxliving |
| Date Last Modified: | 1/28/2008 |

| | |
|---|---|
| Site Id: | 16242 |
| Affiliation Type: | On-Site Operator |
| Company Name: | LORING PLACE PROPERTIES, LLC |
| Contact Type: | Not reported |
| Contact Name: | BEBLIN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (347) 484-2829 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | dxliving |
| Date Last Modified: | 1/28/2008 |

| | |
|---|---|
| Site Id: | 16242 |
| Affiliation Type: | Emergency Contact |
| Company Name: | LORING PLACE PROPERTIES, LLC |
| Contact Type: | Not reported |
| Contact Name: | ASLA CAPIN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (212) 633-9985 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | dxliving |
| Date Last Modified: | 3/11/2008 |

| | |
|---|---|
| Site Id: | 16242 |
| Affiliation Type: | Facility Owner |
| Company Name: | LORING PLACE PROPERTIES, LLC |
| Contact Type: | COMPLIANCE |
| Contact Name: | ASLIHAN CAPIN |
| Address1: | PO BOX 1969 - JAF STATION |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10116 |
| Country Code: | 001 |
| Phone: | (212) 633-9985 215 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | dxliving |
| Date Last Modified: | 3/11/2008 |

**2322 LORING PL (Continued)** **U000407730**

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 27748 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
K00 - Spill Prevention - None
B05 - Tank External Protection - Jacketed
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
E01 - Piping Secondary Containment - Diking (Aboveground)
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 10/01/1986 |
| Capacity Gallons: | 3000 |
| Tightness Test Method: | 21 |
| Date Test: | 09/12/2003 |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | dxliving |
| Last Modified: | 01/28/2008 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

---

**G67** **2300 INCORPORATED** **NY AST** **U003389934**
**SE** **2300 LORING PLACE** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.126 mi.**
**667 ft.** **Site 10 of 13 in cluster G**

**Relative:**
**Higher**

**Actual:**
**159 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-336041 |
| Program Type: | PBS |
| UTM X: | 592012.58530999999 |
| UTM Y: | 4524005.5692600003 |
| Expiration Date: | 09/22/2015 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 16052 |
| Affiliation Type: | Facility Owner |
| Company Name: | 2300 INCORPORATED |

**2300 INCORPORATED (Continued)** **U003389934**

| | |
|---|---|
| Contact Type: | V.P. |
| Contact Name: | MICHAEL GOLDBERG/2300 INC. |
| Address1: | 5600A BROADWAY |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10463 |
| Country Code: | 001 |
| Phone: | (718) 432-1700 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KXTANG |
| Date Last Modified: | 10/4/2005 |

| | |
|---|---|
| Site Id: | 16052 |
| Affiliation Type: | Mail Contact |
| Company Name: | 2300 INCORPORATED |
| Contact Type: | Not reported |
| Contact Name: | MICHAEL GOLDBERG |
| Address1: | 5600A BROADWAY |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10463 |
| Country Code: | 001 |
| Phone: | (718) 432-1700 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 6/28/2010 |

| | |
|---|---|
| Site Id: | 16052 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2300 INCORPORATED |
| Contact Type: | Not reported |
| Contact Name: | S. SANTANA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 584-2620 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 16052 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 2300 INCORPORATED |
| Contact Type: | Not reported |
| Contact Name: | R. CRUZ |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |

**2300 INCORPORATED (Continued)** **U003389934**

| | |
|---|---|
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 432-1700 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 17939 |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 12/01/1930 |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | BVCAMPBE |
| Last Modified: | 06/28/2010 |
| Material Name: | #6 Fuel Oil (On-Site Consumption) |

---

**G68** **2280 LORING PL** **NY HIST UST** **U000398664**
**SE** **2280 LORING PL N** **N/A**
**1/8-1/4** **BX, NY 10468**
**0.133 mi.**
**704 ft.** **Site 11 of 13 in cluster G**

**Relative:**
**Higher**

**Actual:**
**162 ft.**

HIST UST:

| | |
|---|---|
| PBS Number: | 2-236306 |
| SPDES Number: | Not reported |
| Emergency Contact: | NICK GAZIVODA |
| Emergency Telephone: | (718) 231-6607 |
| Operator: | RALF |
| Operator Telephone: | (718) 933-1537 |
| Owner Name: | LORING EQUITIES INC |

**2280 LORING PL (Continued)** **U000398664**

| | |
|---|---|
| Owner Address: | 3331 WHITE PLAINS RD |
| Owner City,St,Zip: | BRONX, NY 10467 |
| Owner Telephone: | (718) 519-1300 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Name: | C/O LORING EQUITIES INC |
| Mailing Address: | 3331 WHITE PLAINS RD |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10467 |
| Mailing Contact: | GAZIVODA REALTY |
| Mailing Telephone: | (718) 519-1300 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Facility Addr2: | 2280 LORING PL N |
| SWIS ID: | 6001 |
| Old PBS Number: | Not reported |
| Facility Type: | APARTMENT BUILDING |
| Inspected Date: | Not reported |
| Inspector: | Not reported |
| Inspection Result: | Not reported |
| Federal ID: | Not reported |
| Certification Flag: | False |
| Certification Date: | 02/29/2000 |
| Expiration Date: | 07/07/2002 |
| Renew Flag: | False |
| Renewal Date: | Not reported |
| Total Capacity: | 5000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City: | 01 |
| Region: | 2 |
| | |
| Tank Id: | 001 |
| Tank Location: | UNDERGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (gals): | 5000 |
| Product Stored: | NOS 5 OR 6 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Wrapped (Piping) |
| Second Containment: | None |
| Leak Detection: | None |
| Overfill Prot: | Product Level Gauge |
| Dispenser: | Suction |

**2280 LORING PL (Continued)** **U000398664**

| | |
|---|---|
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| Lat/long: | Not reported |

---

**I69**
**ENE**
**1/8-1/4**
**0.134 mi.**
**705 ft.**

**FORDHAM HILL OWNERS COOPERATIV** **NY UST** **U004077429**
**1 FORDHAM HILL OVAL** **N/A**
**BRONX, NY 10468**

**Site 1 of 5 in cluster I**

**Relative:**
**Higher**

**Actual:**
**106 ft.**

UST:

| | |
|---|---|
| Id/Status: | 2-333719 / Active |
| Program Type: | PBS |
| Region: | STATE |
| DEC Region: | 2 |
| Expiration Date: | 10/02/2017 |
| UTM X: | 591996.39564 |
| UTM Y: | 4524215.6066399999 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 15844 |
| Affiliation Type: | Facility Owner |
| Company Name: | FORDHAM HILL OWNERS CORPORATIO |
| Contact Type: | MAINTENANCE DIRECTOR |
| Contact Name: | GILDARDO ARBELAEZ |
| Address1: | 1 FORDHAM HILL OVAL |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10468 |
| Country Code: | 001 |
| Phone: | (212) 365-9600 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KXTANG |
| Date Last Modified: | 9/27/2007 |

| | |
|---|---|
| Site Id: | 15844 |
| Affiliation Type: | Mail Contact |
| Company Name: | FORDHAM HILL OWNERS CORPORATIO |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 1 FORDHAM HILL OVAL |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10468 |
| Country Code: | 001 |
| Phone: | (212) 365-9600 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |

**FORDHAM HILL OWNERS COOPERATIV (Continued)** **U004077429**

Date Last Modified: 3/4/2004

Site Id: 15844
Affiliation Type: On-Site Operator
Company Name: FORDHAM HILL OWNERS COOPERATIV
Contact Type: Not reported
Contact Name: FORDHAM HILL OWNERS CORPORATIO
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (212) 365-9600
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 15844
Affiliation Type: Emergency Contact
Company Name: FORDHAM HILL OWNERS CORPORATIO
Contact Type: Not reported
Contact Name: RAY BURNER SALES CORP
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (212) 171-8929
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001
Tank ID: 20804
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 25000
Install Date: 04/01/1959
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0003
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: KXTANG
Last Modified: 09/27/2007

**FORDHAM HILL OWNERS COOPERATIV (Continued)** **U004077429**

Equipment Records:

B00 - Tank External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
G00 - Tank Secondary Containment - None
L09 - Piping Leak Detection - Exempt Suction Piping
J02 - Dispenser - Suction Dispenser
D02 - Pipe Type - Galvanized Steel
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Number: | 002 |
| Tank ID: | 20805 |
| Tank Status: | In Service |
| Material Name: | In Service |
| Capacity Gallons: | 25000 |
| Install Date: | 04/01/1959 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | KXTANG |
| Last Modified: | 09/27/2007 |

Equipment Records:

B00 - Tank External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
D02 - Pipe Type - Galvanized Steel
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None

---

**I70** **FORHDHAM HILL** **NY LTANKS** **U000404307**
**ENE** **1 FORDHAM HILL OVAL** **N/A**
**1/8-1/4** **BRONX, NY**
**0.134 mi.**
**705 ft.** **Site 2 of 5 in cluster I**

**Relative:**
**Higher**

**Actual:**
**106 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 380053 |
| Spill Number/Closed Date: | 0700673 / 5/18/2007 |
| Spill Date: | 4/18/2007 |
| Spill Cause: | Tank Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Not reported |

**FORHDHAM HILL (Continued)** **U000404307**

| | |
|---|---|
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | jbvought |
| Referred To: | Not reported |
| Reported to Dept: | 4/18/2007 |
| CID: | 444 |
| Water Affected: | Not reported |
| Spill Notifier: | Fire Department |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 4/18/2007 |
| Spill Record Last Update: | 5/18/2007 |
| Spiller Name: | FIREFIGHTER MORRIS |
| Spiller Company: | HOUSING COMPLEX |
| Spiller Address: | FATHER ZERSI PL/WEBB AVE |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller County: | 001 |
| Spiller Contact: | FIREFIGHTER MORRIS |
| Spiller Phone: | (347) 203-6886 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 329538 |
| DEC Memo: | 04/18/07-Vought-Off hours responder. Vought responded to site and FDNY 19th Battalion (Captain Roach 718-430-0219) onsite. Spill occurred when #4 fuel oil was being transferred from one 25000-gallon #4 fuel oil UST to another. Spill was discovered at 5am. Spill inside building coming out of entry port of supply return lines into wall. Concrete in good condition in boiler room however sump affected. DEC notified by FDNY and arriving on-site. No odor complaints received to date. Site maintenance director is Gildardo Arvelaez (718-365-9659) and owner of site is Fordham Hill (Everton Moore 718-365-9600). Oil came out of AST manway flowed down soil hill and impacted sewer. As per petrometer, 4300 gallons in North tank and 20000 gallons in South Tank. Unable to determine spill amount as petrometers may not be working correctly. Spill amount approximated at 300-gallons. Eastmond arrived onsite and began cleanup. Eastmond hired by Fordham Hill.DEC requires: 1)submission of Eastmond invoices 2)collection of endpoint soil samples 3)petrometer repair replacement.Vought sent letter with above requirements and one month due date to owners as per PBS:Fordham Hill Owners1 Fordham Hill OvalBronx, NY 10468Ph: 718-365-9600Fax: 718-733-047205/18/07-Vought-Office visit by Gildardo Arvelaez who provided endpoint soil analyticals from Eastmond (eight soil samples were collected and showed no TAGM 4046 Soil Cleanup Objective Exceedences and provided letter from Fordam Hill stating that two new petrometers were installed. Arvelaez also provided invoices from Eastmond that included pressure washing of basement and cleaning of three sump pits. Spill closed by Vought and NFA provided to Arvelaez. |
| Remarks: | IN BASEMENT AND SOME GOING INTO STORM DRAIN: FIRE DEPT ON WAY |

Material:

| | |
|---|---|
| Site ID: | 380053 |
| Operable Unit ID: | 1137545 |
| Operable Unit: | 01 |

**FORHDHAM HILL (Continued)** **U000404307**

| | |
|---|---|
| Material ID: | 2127494 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 25 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**G71** **LORING EQUITIES, INC.** **NY AST** **A100393041**
**SE** **2280 LORING PLACE NORTH** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.134 mi.**
**708 ft.** **Site 12 of 13 in cluster G**

**Relative:**
**Higher**

**Actual:**
**162 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-236306 |
| Program Type: | PBS |
| UTM X: | 591975.14922000002 |
| UTM Y: | 4523942.7760399999 |
| Expiration Date: | 07/07/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 8748 |
| Affiliation Type: | Facility Owner |
| Company Name: | LORING EQUITIES, INC. |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 3200 CRUGER AVE., STE. 201 |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10467 |
| Country Code: | 001 |
| Phone: | (718) 519-1300 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 4/17/2014 |

| | |
|---|---|
| Site Id: | 8748 |
| Affiliation Type: | Mail Contact |
| Company Name: | LORING EQUITIES INC |
| Contact Type: | Not reported |
| Contact Name: | GAZIVODA REALTY CO. INC. |
| Address1: | 3200 CRUGER AVENUE |
| Address2: | SUITE 201 |
| City: | BRONX |
| State: | NY |

**LORING EQUITIES, INC. (Continued)** **A100393041**

| | |
|---|---|
| Zip Code: | 10467 |
| Country Code: | 001 |
| Phone: | (718) 519-1300 |
| EMail: | HENRIK.BERISHA@YAHOO.COM |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 4/17/2014 |

| | |
|---|---|
| Site Id: | 8748 |
| Affiliation Type: | On-Site Operator |
| Company Name: | LORING EQUITIES, INC. |
| Contact Type: | Not reported |
| Contact Name: | LUIS SANTANA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 933-1537 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 5/19/2005 |

| | |
|---|---|
| Site Id: | 8748 |
| Affiliation Type: | Emergency Contact |
| Company Name: | LORING EQUITIES, INC. |
| Contact Type: | Not reported |
| Contact Name: | HENRIK BERISHA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (917) 416-4083 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 5/19/2005 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 11104 |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None

**LORING EQUITIES, INC. (Continued)** **A100393041**

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
I04 - Overfill - Product Level Gauge (A/G)

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/07/1978 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | NRLOMBAR |
| Last Modified: | 04/17/2014 |
| Material Name: | #6 Fuel Oil (On-Site Consumption) |

---

**G72** **SHAPIRO REAL ESTATE** **NY AST** **U003393373**
**SE** **2318 LORING PLACE N** **NY HIST AST** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.137 mi.**
**721 ft.** **Site 13 of 13 in cluster G**

**Relative:**
**Higher**

**Actual:**
**161 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-338818 |
| Program Type: | PBS |
| UTM X: | 592046.27778999996 |
| UTM Y: | 4524062.0831700005 |
| Expiration Date: | 07/13/2015 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 16298 |
| Affiliation Type: | Facility Owner |
| Company Name: | SHAP-GOL LTD. |
| Contact Type: | PRESIDENT |
| Contact Name: | SHAP GOL LTD |
| Address1: | 2287 LORING PLACE |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10468 |
| Country Code: | 001 |
| Phone: | (718) 584-0333 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 7/12/2010 |

| | |
|---|---|
| Site Id: | 16298 |
| Affiliation Type: | Mail Contact |

**SHAPIRO REAL ESTATE (Continued)** **U003393373**

| | |
|---|---|
| Company Name: | SHAP-GOL LTD. |
| Contact Type: | Not reported |
| Contact Name: | BARRY SHAPIRO |
| Address1: | 2287 LORING PALCE |
| Address2: | # 1E |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10457 |
| Country Code: | 001 |
| Phone: | (718) 584-0333 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 7/12/2010 |

| | |
|---|---|
| Site Id: | 16298 |
| Affiliation Type: | On-Site Operator |
| Company Name: | SHAPIRO REAL ESTATE |
| Contact Type: | Not reported |
| Contact Name: | MIGUELITO ECHAUARIA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 809-1537 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 7/12/2010 |

| | |
|---|---|
| Site Id: | 16298 |
| Affiliation Type: | Emergency Contact |
| Company Name: | SHAP-GOL LTD. |
| Contact Type: | Not reported |
| Contact Name: | MIGUEL ECHAUARIA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 809-1537 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 7/12/2010 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 27944 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

**SHAPIRO REAL ESTATE (Continued)** **U003393373**

Equipment Records:

I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1985 |
| Capacity Gallons: | 1500 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 07/12/2010 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-338818 |
| SWIS Code: | 6001 |
| Operator: | MIGUELITO ECHAUARIA |
| Facility Phone: | (718) 562-6125 |
| Facility Addr2: | 2318 LORING PLACE N |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | BARRY SHAPIRO |
| Emergency Tel: | (718) 584-0333 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | SHAP-GOL LTD. |
| Owner Address: | 239 EAST 181ST STREET |
| Owner City,St,Zip: | BRONX, NY 10457 |
| Federal ID: | Not reported |
| Owner Tel: | (718) 584-0333 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | BARRY SHAPIRO |
| Mailing Name: | SHAP-GOL LTD. |
| Mailing Address: | 239 EAST 181ST STREET |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10457 |
| Mailing Telephone: | (718) 584-0333 |
| Owner Mark: | Second Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |

**SHAPIRO REAL ESTATE (Continued)** **U003393373**

| | |
|---|---|
| Certification Flag: | False |
| Certification Date: | 05/30/2000 |
| Expiration: | 07/13/2005 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 1500 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | No Missing Data |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |
| | |
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 1500 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | 0 |
| Tank External: | 00 |
| Pipe Location: | Aboveground |
| Pipe Type: | GALVANIZED STEEL |
| Pipe Internal: | None |
| Pipe External: | 00 |
| Tank Containment: | Diking |
| Leak Detection: | 00 |
| Overfill Protection: | 06 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | No Missing Data |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**I73** **EDR US Hist Auto Stat** **1015520691**
**ENE** **5 FORDHAM HILL OVAL** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.144 mi.**
**762 ft.** **Site 3 of 5 in cluster I**

**Relative:**
**Higher**

**Actual:**
**108 ft.**

EDR Historical Auto Stations:

| | |
|---|---|
| Name: | SUN RISE CAR SERVICE INC |
| Year: | 2003 |
| Address: | 5 FORDHAM HILL OVAL |

**J74 NE 1/8-1/4 0.145 mi. 763 ft.** | **CON EDISON**
**OPP. 2420 SEDGWICK AVE**
**BRONX, NY 10468**

**Site 1 of 3 in cluster J**

**NY MANIFEST** | **S116551275**
**N/A**

**Relative: Higher**

**Actual: 119 ft.**

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYP004497202 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | CON EDISON |
| Contact: | TOM TEELING |
| Address: | 4 IRVING PLACE 15TH FLOOR |
| City/State/Zip: | NEW YORK, NY 10003 |
| Country: | USA |
| Phone: | 212-460-3770 |

Manifest:

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD003812047 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 04/10/2014 |
| Trans1 Recv Date: | 04/10/2014 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 04/11/2014 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004497202 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | Not reported |
| Quantity: | 150 |
| Units: | P - Pounds |
| Number of Containers: | 1 |
| Container Type: | TT - Cargo tank, tank trucks |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 1 |
| Year: | 2014 |
| Manifest Tracking Num: | 002359934GBF |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H110 |

**J75 NE 1/8-1/4 0.145 mi. 764 ft.** | **FORDHAM HILL COOPERATIVE**
**2425 SEDGEWICK AVE.**
**BRONX, NY 10468**

**Site 2 of 3 in cluster J**

**NY UST** | **U003749708**
**N/A**

**Relative: Higher**

**Actual: 120 ft.**

UST:

| | |
|---|---|
| Id/Status: | 2-604632 / Unregulated/Closed |
| Program Type: | PBS |
| Region: | STATE |
| DEC Region: | 2 |
| Expiration Date: | 07/21/2005 |
| UTM X: | 591956.99323000002 |
| UTM Y: | 4524137.4050799999 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 26503 |
| Affiliation Type: | Facility Owner |
| Company Name: | FORDHAM HILL COOPERATIVE |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 1 FORDHAM HILL OVAL |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10468 |
| Country Code: | 001 |
| Phone: | (718) 365-9600 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 26503 |
| Affiliation Type: | Mail Contact |
| Company Name: | FORDHAM HILL COOPERATIVE |
| Contact Type: | Not reported |
| Contact Name: | LEN P. JONES |
| Address1: | 1 FORDHAM HILL OVAL |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10468 |
| Country Code: | 001 |
| Phone: | (718) 365-9600 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 26503 |
| Affiliation Type: | On-Site Operator |
| Company Name: | FORDHAM HILL COOPERATIVE |
| Contact Type: | Not reported |
| Contact Name: | LEN P. JONES |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |

**FORDHAM HILL COOPERATIVE (Continued)** **U003749708**

| | |
|---|---|
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 365-9600 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 26503 |
| Affiliation Type: | Emergency Contact |
| Company Name: | FORDHAM HILL COOPERATIVE |
| Contact Type: | Not reported |
| Contact Name: | LEN P. JONES |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 365-9600 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

Tank Info:

| | |
|---|---|
| Tank Number: | 3 |
| Tank ID: | 58415 |
| Tank Status: | Closed - In Place |
| Material Name: | Closed - In Place |
| Capacity Gallons: | 3000 |
| Install Date: | 07/01/2000 |
| Date Tank Closed: | 08/01/2000 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

| | |
|---|---|
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
I00 - Overfill - None
H00 - Tank Leak Detection - None

**K76** **CON EDISON** **NY MANIFEST** **S116294072**
**East** **W FORDHAM RD & LORING PL NORTH** **N/A**
**1/8-1/4** **BRONX, NY 10461**
**0.145 mi.**
**766 ft.** **Site 1 of 5 in cluster K**

**Relative:**
**Higher**

**Actual:**
**115 ft.**

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYP004452652 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | CON EDISON |
| Contact: | CON EDISION |
| Address: | 4 IRVING PL |
| Address 2: | 15TH FL |
| City/State/Zip: | NEW YORK, NY 10003 |
| Country: | USA |
| Phone: | Not reported |

Manifest:

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJ0000027193 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 02/26/2014 |
| Trans1 Recv Date: | 02/26/2014 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 03/03/2014 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004452652 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD002200046 |
| Waste Code: | Not reported |
| Quantity: | 4000 |
| Units: | P - Pounds |
| Number of Containers: | 1 |
| Container Type: | TT - Cargo tank, tank trucks |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 1 |
| Year: | 2014 |
| Manifest Tracking Num: | 012771200JJK |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H110 |

**L77 SSE 1/8-1/4 0.151 mi. 796 ft.**

**135 REALTY ASSOCIATES**
**135 WEST 183RD STREET**
**BRONX, NY 10453**

**Site 1 of 12 in cluster L**

**NY AST** **U003393064**
**NY HIST AST** **N/A**

**Relative: Higher**

**Actual: 163 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-363154 |
| Program Type: | PBS |
| UTM X: | 591825.06943999999 |
| UTM Y: | 4523849.2674799999 |
| Expiration Date: | 08/09/2016 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 18397 |
| Affiliation Type: | Mail Contact |
| Company Name: | 135 REALTY ASSOC., LLC |
| Contact Type: | Not reported |
| Contact Name: | MARIA MC CULLOUGH |
| Address1: | 1601 BRONXDALE AVENUE |
| Address2: | STE 201 |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10462 |
| Country Code: | 001 |
| Phone: | (718) 518-8000 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 5/25/2011 |

| | |
|---|---|
| Site Id: | 18397 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 135 REALTY ASSOCIATES, LLC |
| Contact Type: | Not reported |
| Contact Name: | WILLIE CLARKE |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (347) 219-5089 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 5/25/2011 |

| | |
|---|---|
| Site Id: | 18397 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 135 REALTY ASSOCIATES, LLC |
| Contact Type: | Not reported |
| Contact Name: | WILLIE CLARKE |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |

**135 REALTY ASSOCIATES (Continued)** **U003393064**

| | |
|---|---|
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (347) 219-5089 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 5/25/2011 |

| | |
|---|---|
| Site Id: | 18397 |
| Affiliation Type: | Facility Owner |
| Company Name: | 135 REALTY ASSOCIATES, LLC |
| Contact Type: | ADM ASST |
| Contact Name: | MARIA MC CULLOUGH |
| Address1: | 1601 BRONXDALE AVE. |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10462 |
| Country Code: | 001 |
| Phone: | (718) 518-8000 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | dxliving |
| Date Last Modified: | 9/5/2007 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 25936 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

F06 - Pipe External Protection - Wrapped
H99 - Tank Leak Detection - Other
I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
K99 - Spill Prevention - Other
L09 - Piping Leak Detection - Exempt Suction Piping
G03 - Tank Secondary Containment - Vault (w/o access)
B01 - Tank External Protection - Painted/Asphalt Coating
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 04/15/1986 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |

**135 REALTY ASSOCIATES (Continued)** **U003393064**

| | |
|---|---|
| Register: | True |
| Modified By: | BVCAMPBE |
| Last Modified: | 05/25/2011 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-363154 |
| SWIS Code: | 6001 |
| Operator: | JUAN STEFANICE |
| Facility Phone: | (212) 881-7770 |
| Facility Addr2: | 135 WEST 183RD ST |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | MARK ENGEL |
| Emergency Tel: | (718) 518-8000 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | 135 REALTY ASSOC |
| Owner Address: | 1601 BRONXDALE AVENUE |
| Owner City,St,Zip: | BRONX, NY 10462 |
| Federal ID: | Not reported |
| Owner Tel: | (718) 518-8000 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | Not reported |
| Mailing Name: | 135 REALTY ASSOC |
| Mailing Address: | 1601 BRONXDALE AVENUE |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10462 |
| Mailing Telephone: | (718) 518-8000 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 10/15/1999 |
| Expiration: | 10/23/2002 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 5000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | No Missing Data |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 5000 |

**135 REALTY ASSOCIATES (Continued)** **U003393064**

| | |
|---|---|
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | 0 |
| Tank External: | 01 |
| Pipe Location: | Aboveground |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | None |
| Pipe External: | 06 |
| Tank Containment: | Diking |
| Leak Detection: | 09 |
| Overfill Protection: | 06 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | No Missing Data |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

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**L78** **NYNEX** **NY MANIFEST** **1009234000**
**SSE** **LORING PL & 183RD ST** **N/A**
**1/8-1/4** **BRONX, NY**
**0.154 mi.**
**813 ft.** **Site 2 of 12 in cluster L**

**Relative:**
**Higher**

**Actual:**
**168 ft.**

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYP000924050 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | NYNEX |
| Contact: | SUSHMITA BISWAS |
| Address: | 221 EAST 37TH STREET |
| City/State/Zip: | NEW YORK, NY 10016 |
| Country: | USA |
| Phone: | 212-338-7126 |

Manifest:

| | |
|---|---|
| Document ID: | MIA4134056 |
| Manifest Status: | Completed after the designated time period for a TSDF to get a copy to the DEC |
| Trans1 State ID: | Not reported |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 03/16/1996 |
| Trans1 Recv Date: | 03/16/1996 |
| Trans2 Recv Date: | 03/25/1996 |
| TSD Site Recv Date: | 04/02/1996 |
| Part A Recv Date: | / / |
| Part B Recv Date: | 04/19/1996 |
| Generator EPA ID: | NYP000924050 |
| Trans1 EPA ID: | NYD010951986 |
| Trans2 EPA ID: | NYD046765574 |
| TSDF ID: | MID096963194 |
| Waste Code: | D008 - LEAD 5.0 MG/L TCLP |
| Quantity: | 00300 |

**NYNEX (Continued)** **1009234000**

| | |
|---|---|
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | L Landfill. |
| Specific Gravity: | 100 |
| Year: | 1996 |

---

**L79**
**SSE**
**1/8-1/4**
**0.154 mi.**
**813 ft.**

**NYNEX** **NY MANIFEST** **1009234212**
**LORING PLACE AND 183RD STREET** **N/A**
**BRONX, NY**

**Site 3 of 12 in cluster L**

**Relative:**
**Higher**

**Actual:**
**168 ft.**

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYP000926857 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | NYNEX |
| Contact: | S BISWAS |
| Address: | 221 EAST 37TH STREET |
| City/State/Zip: | NEW YORK, NY 10016 |
| Country: | USA |
| Phone: | 212-338-7126 |

Manifest:

| | |
|---|---|
| Document ID: | MIA4089658 |
| Manifest Status: | Completed after the designated time period for a TSDF to get a copy to the DEC |
| Trans1 State ID: | Not reported |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 08/07/1996 |
| Trans1 Recv Date: | 08/07/1996 |
| Trans2 Recv Date: | / / |
| TSD Site Recv Date: | 09/16/1996 |
| Part A Recv Date: | / / |
| Part B Recv Date: | 10/09/1996 |
| Generator EPA ID: | NYP000926857 |
| Trans1 EPA ID: | NYD010951986 |
| Trans2 EPA ID: | NYD046765574 |
| TSDF ID: | MID096963194 |
| Waste Code: | D008 - LEAD 5.0 MG/L TCLP |
| Quantity: | 00200 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | L Landfill. |
| Specific Gravity: | 100 |
| Year: | 1996 |

**L80 SSE 1/8-1/4 0.155 mi. 820 ft.** | **111 WEST 183RD STREET**
**111 WEST 183RD STREET**
**BRONX, NY 10453**

**Site 4 of 12 in cluster L**

**NY AST** | **U003383798**
**NY HIST AST** | **N/A**

**Relative: Higher**

**Actual: 168 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-063134 |
| Program Type: | PBS |
| UTM X: | 591931.70776999998 |
| UTM Y: | 4523837.4568400001 |
| Expiration Date: | 04/29/2018 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 1232 |
| Affiliation Type: | Mail Contact |
| Company Name: | DOUGERT MGMT. CORP |
| Contact Type: | Not reported |
| Contact Name: | DOUGLAS SACHS |
| Address1: | 2881 MIDDLETOWN RD |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10461 |
| Country Code: | 001 |
| Phone: | (718) 828-5388 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 4/8/2013 |

| | |
|---|---|
| Site Id: | 1232 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 111 WEST 183RD STREET |
| Contact Type: | Not reported |
| Contact Name: | RADHAMES VENTURA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 295-9318 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 1232 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 111 WEST 183RD STREET CORPORATION |
| Contact Type: | Not reported |
| Contact Name: | DOUGLAS SACHS |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |

**111 WEST 183RD STREET (Continued)** **U003383798**

| | |
|---|---|
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 828-5388 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 1232 |
| Affiliation Type: | Facility Owner |
| Company Name: | WEST SIDE BRONX HDFC |
| Contact Type: | PRES |
| Contact Name: | DOUGLAS SACHS |
| Address1: | 2881 MIDDLETOWN RD |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10461 |
| Country Code: | 001 |
| Phone: | (718) 828-5388 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 4/8/2013 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 2277 |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None

| | |
|---|---|
| Tank Location: | 2 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1980 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |

**111 WEST 183RD STREET (Continued)** **U003383798**

| | |
|---|---|
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 04/08/2013 |
| Material Name: | #4 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-063134 |
| SWIS Code: | 6001 |
| Operator: | RADHAMES VENTURA |
| Facility Phone: | (718) 295-9318 |
| Facility Addr2: | 111 WEST 183RD STREET |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | DOUGLAS SACHS |
| Emergency Tel: | (718) 828-5388 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | 111 WEST 183RD STREET CORPORATION |
| Owner Address: | 2811 ZUCETTE AVENUE |
| Owner City,St,Zip: | BRONX, NY 10461 |
| Federal ID: | Not reported |
| Owner Tel: | (718) 828-5388 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | DOUGLAS SACHS |
| Mailing Name: | 111 WEST 183RD STREET CORPORATION |
| Mailing Address: | 2811 ZUCETTE AVENUE |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10461 |
| Mailing Telephone: | (718) 828-5388 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 11/05/2001 |
| Expiration: | 01/14/2007 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 5000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | No Missing Data |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 5000 |

**111 WEST 183RD STREET (Continued)** **U003383798**

| | |
|---|---|
| Product Stored: | NOS 5 OR 6 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | 0 |
| Tank External: | 0 |
| Pipe Location: | Aboveground/Underground Combination |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | None |
| Pipe External: | 0 |
| Tank Containment: | Diking |
| Leak Detection: | 0 |
| Overfill Protection: | 4 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | No Missing Data |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

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**L81** **CON EDISON** **NY MANIFEST** **S117060630**
**SSE** **127 W 183 ST** **N/A**
**1/8-1/4** **BRONX, NY 10461**
**0.156 mi.**
**826 ft.** **Site 5 of 12 in cluster L**

**Relative:**
**Higher**

**Actual:**
**165 ft.**

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYP004528634 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | CON EDISON |
| Contact: | CON EDISON |
| Address: | 4 IRVING PL |
| Address 2: | 15TH FL |
| City/State/Zip: | NEW YORK, NY 10003 |
| Country: | USA |
| Phone: | Not reported |

Manifest:

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD003812047 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 05/12/2014 |
| Trans1 Recv Date: | 05/12/2014 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 05/12/2014 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004528634 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | Not reported |

**CON EDISON (Continued)** **S117060630**

| | |
|---|---|
| Quantity: | 75 |
| Units: | P - Pounds |
| Number of Containers: | 1 |
| Container Type: | TT - Cargo tank, tank trucks |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 1 |
| Year: | 2014 |
| Manifest Tracking Num: | 002418573GBF |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H110 |

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**L82** **SEDWICK & NORTH HALLS HOUSING AKA UNIVERSITY HTS S** **NY AST** **U004077493**
**SSE** **123-127 WEST 183RD ST** **N/A**
**1/8-1/4** **BRONX, NY 11453**
**0.157 mi.**
**830 ft.** **Site 6 of 12 in cluster L**

**Relative:**
**Higher**

**Actual:**
**165 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-266450 |
| Program Type: | PBS |
| UTM X: | 591877.17847000004 |
| UTM Y: | 4523844.6422899999 |
| Expiration Date: | 08/17/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 11014 |
| Affiliation Type: | Facility Owner |
| Company Name: | SEDGWICK & NORTH HALLS HOUSING % METRO MGT. |
| Contact Type: | AGENT |
| Contact Name: | S BERISHA |
| Address1: | 42-25 21 STREET |
| Address2: | Not reported |
| City: | LONG ISLAND CITY |
| State: | NY |
| Zip Code: | 11101 |
| Country Code: | 001 |
| Phone: | (718) 706-7755 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 9/10/2012 |

| | |
|---|---|
| Site Id: | 11014 |
| Affiliation Type: | Mail Contact |
| Company Name: | SEDGWICK & NORTH HALLS HOUSING |

**SEDWICK & NORTH HALLS HOUSING AKA UNIVERSITY HTS S (Continued)** **U004077493**

| | |
|---|---|
| Contact Type: | Not reported |
| Contact Name: | S BERISHA |
| Address1: | METRO MANAGEMET |
| Address2: | 42-25 21ST STREET |
| City: | LONG ISLAND CITY |
| State: | NY |
| Zip Code: | 11101 |
| Country Code: | 001 |
| Phone: | (718) 706-7755 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 9/10/2012 |

| | |
|---|---|
| Site Id: | 11014 |
| Affiliation Type: | On-Site Operator |
| Company Name: | SEDWICK & NORTH HALLS HOUSING AKA UNIVERSITY HTS S |
| Contact Type: | Not reported |
| Contact Name: | CRESENCIO BULNES |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (212) 295-6688 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 11014 |
| Affiliation Type: | Emergency Contact |
| Company Name: | SEDGWICK & NORTH HALLS HOUSING % METRO MGT. |
| Contact Type: | Not reported |
| Contact Name: | MR BULNES |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (516) 561-6753 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 9/10/2012 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 18179 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

**SEDWICK & NORTH HALLS HOUSING AKA UNIVERSITY HTS S (Continued)** **U004077493**

F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
G03 - Tank Secondary Containment - Vault (w/o access)
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 6 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 12/01/1980 |
| Capacity Gallons: | 15000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

---

**L83** **130 WEST 183RD STREET** **NY AST** **U003395362**
**SSE** **130 WEST 183RD STREET** **NY HIST AST** **N/A**
**1/8-1/4** **BRONX, NY 10453**
**0.159 mi.**
**837 ft.** **Site 7 of 12 in cluster L**

**Relative:**
**Higher**

**Actual:**
**166 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-085014 |
| Program Type: | PBS |
| UTM X: | 591859.80879000004 |
| UTM Y: | 4523846.1840199996 |
| Expiration Date: | 03/24/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 2011 |
| Affiliation Type: | Facility Owner |
| Company Name: | P.R.V. REALTY CORP. |
| Contact Type: | PRES |
| Contact Name: | PREC GJONAJ |
| Address1: | P.O. BOX 1285 |
| Address2: | Not reported |
| City: | YONKERS |
| State: | NY |
| Zip Code: | 10704 |
| Country Code: | 001 |
| Phone: | (914) 966-1110 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | msbaptis |

**130 WEST 183RD STREET (Continued)** **U003395362**

Date Last Modified: 12/8/2006

Site Id: 2011
Affiliation Type: Mail Contact
Company Name: P.R.V REALTY CORP
Contact Type: Not reported
Contact Name: ROBERT GJONAJ
Address1: P.O. BOX 1285
Address2: Not reported
City: YONKERS
State: NY
Zip Code: 10704
Country Code: 001
Phone: (914) 966-1110
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 1/4/2012

Site Id: 2011
Affiliation Type: On-Site Operator
Company Name: 130 WEST 183RD ST
Contact Type: Not reported
Contact Name: PREC GJONAJ
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (917) 786-0486
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 2011
Affiliation Type: Emergency Contact
Company Name: P.R.V. REALTY CORP.
Contact Type: Not reported
Contact Name: ROBERT GJONAJ
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (914) 966-1110
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 1/4/2012

Tank Info:

Tank Number: 001
Tank Id: 39670

**130 WEST 183RD STREET (Continued)** **U003395362**

Material Code: 0008
Common Name of Substance: Diesel

Equipment Records:
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

Tank Location: 1
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Tank Converted to Non-Regulated Use
Pipe Model: Not reported
Install Date: Not reported
Capacity Gallons: 5000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 04/01/1998
Register: True
Modified By: TRANSLAT
Last Modified: 03/04/2004
Material Name: Diesel

Tank Number: 001
Tank Id: 3267
Material Code: 0003
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
E02 - Piping Secondary Containment - Vault (with Access)
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
F06 - Pipe External Protection - Wrapped
I05 - Overfill - Vent Whistle
B00 - Tank External Protection - None
K00 - Spill Prevention - None

Tank Location: 2
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 01/01/1954
Capacity Gallons: 5000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported

**130 WEST 183RD STREET (Continued)** **U003395362**

| | |
|---|---|
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 01/04/2012 |
| Material Name: | #6 Fuel Oil (On-Site Consumption) |

Affiliation Records:

| | |
|---|---|
| Site Id: | 21756 |
| Affiliation Type: | Facility Owner |
| Company Name: | HOWARD COHEN/C/O HSC MGNT CORP |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 5919 RIVERDALE AVENUE |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10471 |
| Country Code: | 001 |
| Phone: | (212) 543-2800 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 21756 |
| Affiliation Type: | Mail Contact |
| Company Name: | HOWARD COHEN/C/O HSC MGNT CORP |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 5919 RIVERDALE AVENUE |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10471 |
| Country Code: | 001 |
| Phone: | (212) 543-2800 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 21756 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 130 WEST 183RD STREET |
| Contact Type: | Not reported |
| Contact Name: | HOWARD COHEN/C/O HSC MGNT CORP |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (212) 543-2800 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

**130 WEST 183RD STREET (Continued)** **U003395362**

| | |
|---|---|
| Site Id: | 21756 |
| Affiliation Type: | Emergency Contact |
| Company Name: | HOWARD COHEN/C/O HSC MGNT CORP |
| Contact Type: | Not reported |
| Contact Name: | H.S.C. MANAGEMENT CORP |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (212) 543-2800 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 39670 |
| Material Code: | 0008 |
| Common Name of Substance: | Diesel |

Equipment Records:

A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | Tank Converted to Non-Regulated Use |
| Pipe Model: | Not reported |
| Install Date: | Not reported |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | 04/01/1998 |
| Register: | True |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |
| Material Name: | Diesel |

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 3267 |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

C01 - Pipe Location - Aboveground

**130 WEST 183RD STREET (Continued)** **U003395362**

H00 - Tank Leak Detection - None
E02 - Piping Secondary Containment - Vault (with Access)
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
F06 - Pipe External Protection - Wrapped
I05 - Overfill - Vent Whistle
B00 - Tank External Protection - None
K00 - Spill Prevention - None

| | |
|---|---|
| Tank Location: | 2 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1954 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 01/04/2012 |
| Material Name: | #6 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-509280 |
| SWIS Code: | 6001 |
| Operator: | HOWARD COHEN/C/O HSC MGNT CORP |
| Facility Phone: | (212) 543-2800 |
| Facility Addr2: | 130 WEST 183RD STREET |
| Facility Type: | Not reported |
| Emergency: | H.S.C. MANAGEMENT CORP |
| Emergency Tel: | (212) 543-2800 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | HOWARD COHEN/C/O HSC MGNT CORP |
| Owner Address: | 5919 RIVERDALE AVENUE |
| Owner City,St,Zip: | BRONX, NY 10471 |
| Federal ID: | Not reported |
| Owner Tel: | (212) 543-2800 |
| Owner Type: | Not reported |
| Owner Subtype: | Not reported |
| Mailing Contact: | Not reported |
| Mailing Name: | HOWARD COHEN/C/O HSC MGNT CORP |
| Mailing Address: | 5919 RIVERDALE AVENUE |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10471 |
| Mailing Telephone: | (212) 543-2800 |
| Owner Mark: | First Owner |
| Facility Status: | 3 - Administratively closed (reasons include business is closed and/or mail is undeliverable, and staff cannot check if tanks were removed; or a duplicate registration was generated). |

**130 WEST 183RD STREET (Continued)** **U003395362**

| | |
|---|---|
| Certification Flag: | False |
| Certification Date: | 01/25/1991 |
| Expiration: | 01/25/1996 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 0 |
| FAMT: | True |
| Facility Screen: | Minor Data Missing |
| Owner Screen: | Minor Data Missing |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |
| | |
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | Undefined |
| Install Date: | Not reported |
| Capacity (Gal): | 5000 |
| Product Stored: | DIESEL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | Not reported |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | None |
| Leak Detection: | 9 |
| Overfill Protection: | 4 |
| Dispenser Method: | Gravity |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | 04/01/1998 |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | False |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**L84** **ESTATE OF LOUIS SACHS** **NY AST** **U003388959**
**SSE** **120 WEST 183RD ST** **NY HIST AST** **N/A**
**1/8-1/4** **NEW YORK, NY 10453**
**0.160 mi.**
**846 ft.** **Site 8 of 12 in cluster L**

**Relative:**
**Higher**

**Actual:**
**166 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-284203 |
| Program Type: | PBS |
| UTM X: | 591911.91781000001 |
| UTM Y: | 4523841.5588400001 |

**ESTATE OF LOUIS SACHS (Continued)** **U003388959**

Expiration Date: 01/22/2019
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 12582
Affiliation Type: Mail Contact
Company Name: 120 W. 183 EQUITIES, LLC.
Contact Type: Not reported
Contact Name: ARLENE MASIA
Address1: C/O S.W. MANAGEMENT, LLC.
Address2: 145 HUGUENOT ST. SUITE 503
City: NEW ROCHELLE
State: NY
Zip Code: 10801
Country Code: 001
Phone: (914) 637-6200
EMail: Not reported
Fax Number: Not reported
Modified By: DMMOLOUG
Date Last Modified: 12/16/2013

Site Id: 12582
Affiliation Type: On-Site Operator
Company Name: 120 W. 183 EQUITIES, LLC.
Contact Type: Not reported
Contact Name: HECTOR PENA
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (646) 463-5921
EMail: Not reported
Fax Number: Not reported
Modified By: DMMOLOUG
Date Last Modified: 12/16/2013

Site Id: 12582
Affiliation Type: Emergency Contact
Company Name: 120 W. 183 EQUITIES, LLC.
Contact Type: Not reported
Contact Name: BAUER BOILERS
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (718) 299-1650
EMail: Not reported
Fax Number: Not reported
Modified By: DMMOLOUG
Date Last Modified: 12/16/2013

Site Id: 12582
Affiliation Type: Facility Owner
Company Name: 120 W. 183 EQUITIES, LLC.

**ESTATE OF LOUIS SACHS (Continued)** **U003388959**

| | |
|---|---|
| Contact Type: | GENERAL MANAGER |
| Contact Name: | MARTIN BLUM |
| Address1: | 145 HUGUENOT STREET, SUITE #503 |
| Address2: | Not reported |
| City: | NEW ROCHELLE |
| State: | NY |
| Zip Code: | 10801 |
| Country Code: | 001 |
| Phone: | (914) 637-6200 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | DMMOLOUG |
| Date Last Modified: | 12/16/2013 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 14972 |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/15/1937 |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | DMMOLOUG |
| Last Modified: | 12/16/2013 |
| Material Name: | #4 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-284203 |
| SWIS Code: | 6001 |
| Operator: | MAGDALIA ALCANTARA |
| Facility Phone: | (212) 220-4770 |
| Facility Addr2: | 120 WEST 183RD ST |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | BORBOON JUAN |
| Emergency Tel: | (718) 364-6633 |

**ESTATE OF LOUIS SACHS (Continued)** **U003388959**

| | |
|---|---|
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | ESTATE OF LOUIS SACHS |
| Owner Address: | 275 E. 201ST STREET |
| Owner City,St,Zip: | BRONX, NY 10458 |
| Federal ID: | Not reported |
| Owner Tel: | (212) 295-4997 |
| Owner Type: | Private Resident |
| Owner Subtype: | Not reported |
| Mailing Contact: | SUPER FACILITY MANAGER |
| Mailing Name: | ESTATE OF LOUIS SACHS |
| Mailing Address: | 120 WEST 183RD STREET |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | NEW YORK, NY 10453 |
| Mailing Telephone: | (212) 220-4770 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 04/21/1998 |
| Expiration: | 07/14/2002 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 4000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |
| | |
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 4000 |
| Product Stored: | NOS 5 OR 6 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | None |
| Leak Detection: | 0 |
| Overfill Protection: | 4 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |

**ESTATE OF LOUIS SACHS (Continued)** **U003388959**

| | |
|---|---|
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | False |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**J85** **2445 SEDGWICK AVE** **NY LTANKS** **S100560360**
**NE** **2445 SEDGWICK AVE** **N/A**
**1/8-1/4** **BRONX, NY**
**0.162 mi.**
**853 ft.** **Site 3 of 3 in cluster J**

**Relative:**
**Higher**

**Actual:**
**123 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 94162 |
| Spill Number/Closed Date: | 9303142 / 2/27/2003 |
| Spill Date: | 4/28/1993 |
| Spill Cause: | Tank Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | TOMASELLO |
| Referred To: | Not reported |
| Reported to Dept: | 6/9/1993 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 6/11/1993 |
| Spill Record Last Update: | 2/27/2003 |
| Spiller Name: | Not reported |
| Spiller Company: | J.R. TUSANEZA AGENT |
| Spiller Address: | RIVERSDALE |
| Spiller City,St,Zip: | ZZ |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 84328 |
| DEC Memo: | Not reported |
| Remarks: | TANK TO BE ABANDONED AT SITE. |

Material:

| | |
|---|---|
| Site ID: | 94162 |
| Operable Unit ID: | 981330 |
| Operable Unit: | 01 |
| Material ID: | 396736 |
| Material Code: | 0003A |
| Material Name: | #6 Fuel Oil |

**2445 SEDGWICK AVE (Continued)** **S100560360**

| | |
|---|---|
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 2300 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**M86** **KILGARVAN REALTY CORP** **NY AST** **U003387273**
**SE** **2285 ANDREWS AVE N** **NY HIST AST** **N/A**
**1/8-1/4** **NEW YORK, NY 10468**
**0.162 mi.**
**854 ft.** **Site 1 of 14 in cluster M**

**Relative:**
**Higher**

**Actual:**
**145 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-244619 |
| Program Type: | PBS |
| UTM X: | 592076.68620999996 |
| UTM Y: | 4523929.3151000002 |
| Expiration Date: | 07/07/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 9478 |
| Affiliation Type: | Facility Owner |
| Company Name: | KILGARVAN REALTY CORP |
| Contact Type: | MANAGER |
| Contact Name: | TIMOTHY O'SHEA |
| Address1: | 115 SEDGWICK AVE |
| Address2: | Not reported |
| City: | YONKERS |
| State: | NY |
| Zip Code: | 10705 |
| Country Code: | 001 |
| Phone: | (914) 423-5769 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | DMMOLOUG |
| Date Last Modified: | 6/27/2012 |

| | |
|---|---|
| Site Id: | 9478 |
| Affiliation Type: | Mail Contact |
| Company Name: | KILGARVAN REALTY CORP |
| Contact Type: | MANAGER |
| Contact Name: | TIMOTHY O'SHEA |
| Address1: | 115 SEDGWICK AVE |
| Address2: | Not reported |
| City: | YONKERS |
| State: | NY |
| Zip Code: | 10705 |
| Country Code: | 001 |
| Phone: | (914) 423-5769 |

**KILGARVAN REALTY CORP (Continued)** **U003387273**

| | |
|---|---|
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | DMMOLOUG |
| Date Last Modified: | 6/27/2012 |

| | |
|---|---|
| Site Id: | 9478 |
| Affiliation Type: | On-Site Operator |
| Company Name: | KILGARVAN REALTY CORP |
| Contact Type: | Not reported |
| Contact Name: | GUILERMO PALMA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 329-0396 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | DXLIVING |
| Date Last Modified: | 4/30/2007 |

| | |
|---|---|
| Site Id: | 9478 |
| Affiliation Type: | Emergency Contact |
| Company Name: | KILGARVAN REALTY CORP |
| Contact Type: | Not reported |
| Contact Name: | DANIEL HEALY |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (914) 423-5769 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | DXLIVING |
| Date Last Modified: | 4/30/2007 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 11564 |
| Material Code: | 0002 |
| Common Name of Substance: | #4 Fuel Oil (On-Site Consumption) |

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
I05 - Overfill - Vent Whistle
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None

**KILGARVAN REALTY CORP (Continued)** **U003387273**

E02 - Piping Secondary Containment - Vault (with Access)
H04 - Tank Leak Detection - Groundwater Well
C01 - Pipe Location - Aboveground

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 05/10/1982 |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | DMMOLOUG |
| Last Modified: | 06/27/2012 |
| Material Name: | #4 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-244619 |
| SWIS Code: | 6001 |
| Operator: | RAMONE GARCIA |
| Facility Phone: | (212) 933-1532 |
| Facility Addr2: | 2285 ANDREWS AVE N |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | DANIEL HEALY |
| Emergency Tel: | (212) 863-6864 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | KILGARVAN REALTY CORP |
| Owner Address: | 3505 BRUCKNER BLVD |
| Owner City,St,Zip: | BRONX, NY 10461 |
| Federal ID: | Not reported |
| Owner Tel: | (212) 863-6864 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | Not reported |
| Mailing Name: | KILGARVAN REALTY CORP |
| Mailing Address: | 3505 BRUCKNER BLVD |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10461 |
| Mailing Telephone: | (212) 863-6864 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 07/24/1997 |
| Expiration: | 07/07/2002 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 4000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |

**KILGARVAN REALTY CORP (Continued)** **U003387273**

| | |
|---|---|
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |
| | |
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 4000 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | Diking |
| Leak Detection: | 3 |
| Overfill Protection: | 4 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | False |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**I87** **WEBB AVENUE COMPANY LLC** **NY UST** **U001832600**
**ENE** **2400 WEBB AVENUE** **NY HIST UST** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.164 mi.**
**868 ft.** **Site 4 of 5 in cluster I**

**Relative:**
**Higher**

**Actual:**
**106 ft.**

UST:

| | |
|---|---|
| Id/Status: | 2-111309 / Inactive |
| Program Type: | PBS |
| Region: | STATE |
| DEC Region: | 2 |
| Expiration Date: | 05/07/1992 |
| UTM X: | 592080.30555000005 |
| UTM Y: | 4524212.2676400002 |
| Site Type: | Unknown |

Affiliation Records:

| | |
|---|---|
| Site Id: | 3457 |
| Affiliation Type: | Facility Owner |
| Company Name: | FORDHAM TERR CO |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 201 E 23RD ST |

**WEBB AVENUE COMPANY LLC (Continued)** **U001832600**

| | |
|---|---|
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10010 |
| Country Code: | 001 |
| Phone: | (212) 213-5556 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 3457 |
| Affiliation Type: | Mail Contact |
| Company Name: | FORDHAM TERR CO |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 201 E 23RD ST |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10010 |
| Country Code: | 001 |
| Phone: | (212) 213-5556 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 3457 |
| Affiliation Type: | On-Site Operator |
| Company Name: | FORDHAM TERR CO |
| Contact Type: | Not reported |
| Contact Name: | ANGEL CUSTODIO - SUPT |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (212) 365-3673 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 3457 |
| Affiliation Type: | Emergency Contact |
| Company Name: | FORDHAM TERR CO |
| Contact Type: | Not reported |
| Contact Name: | GUS SCOUFARAS - PROP MGR |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (212) 905-9102 |

**WEBB AVENUE COMPANY LLC (Continued)** **U001832600**

| | |
|---|---|
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank ID: | 4916 |
| Tank Status: | Tank Converted to Non-Regulated Use |
| Material Name: | Tank Converted to Non-Regulated Use |
| Capacity Gallons: | 7500 |
| Install Date: | Not reported |
| Date Tank Closed: | 09/01/1995 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
H99 - Tank Leak Detection - Other
I00 - Overfill - None

| | |
|---|---|
| Tank Number: | 001 |
| Tank ID: | 37981 |
| Tank Status: | Closed - In Place |
| Material Name: | Closed - In Place |
| Capacity Gallons: | 7500 |
| Install Date: | 03/10/1953 |
| Date Tank Closed: | 12/06/2012 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | NRLOMBAR |

**WEBB AVENUE COMPANY LLC (Continued)** **U001832600**

Last Modified: 10/03/2013

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
B00 - Tank External Protection - None
K00 - Spill Prevention - None
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

Affiliation Records:

Site Id: 21049
Affiliation Type: Facility Owner
Company Name: WEBB AVENUE COMPANY LLC
Contact Type: Not reported
Contact Name: Not reported
Address1: 524 NORTH AVE.
Address2: Not reported
City: NEW ROCHELLE
State: NY
Zip Code: 10801
Country Code: 001
Phone: (914) 235-3200
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 10/3/2013

Site Id: 21049
Affiliation Type: Mail Contact
Company Name: WEBB AVENUE COMPANY, LLC
Contact Type: Not reported
Contact Name: TREVOR TRONGARD
Address1: 524 NORTH AVENUE
Address2: Not reported
City: NEW ROCHELLE
State: NY
Zip Code: 10801
Country Code: 001
Phone: (914) 235-3200
EMail: TTRONGARD@GOLDPROP.COM
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 10/3/2013

Site Id: 21049
Affiliation Type: On-Site Operator
Company Name: WEBB AVENUE COMPANY LLC
Contact Type: Not reported
Contact Name: HUMBERTO MICHEL
Address1: Not reported

**WEBB AVENUE COMPANY LLC (Continued)** **U001832600**

| | |
|---|---|
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 299-0711 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 10/3/2013 |

| | |
|---|---|
| Site Id: | 21049 |
| Affiliation Type: | Emergency Contact |
| Company Name: | WEBB AVENUE COMPANY LLC |
| Contact Type: | Not reported |
| Contact Name: | TREVOR TRONGARD |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (914) 417-5209 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 10/3/2013 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank ID: | 4916 |
| Tank Status: | Tank Converted to Non-Regulated Use |
| Material Name: | Tank Converted to Non-Regulated Use |
| Capacity Gallons: | 7500 |
| Install Date: | Not reported |
| Date Tank Closed: | 09/01/1995 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

| | |
|---|---|
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

**WEBB AVENUE COMPANY LLC (Continued)** **U001832600**

D00 - Pipe Type - No Piping
H99 - Tank Leak Detection - Other
I00 - Overfill - None

| | |
|---|---|
| Tank Number: | 001 |
| Tank ID: | 37981 |
| Tank Status: | Closed - In Place |
| Material Name: | Closed - In Place |
| Capacity Gallons: | 7500 |
| Install Date: | 03/10/1953 |
| Date Tank Closed: | 12/06/2012 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | NRLOMBAR |
| Last Modified: | 10/03/2013 |

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
B00 - Tank External Protection - None
K00 - Spill Prevention - None
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

HIST UST:

| | |
|---|---|
| PBS Number: | 2-111309 |
| SPDES Number: | Not reported |
| Emergency Contact: | GUS SCOUFARAS - PROP MGR |
| Emergency Telephone: | (212) 905-9102 |
| Operator: | ANGEL CUSTODIO - SUPT |
| Operator Telephone: | (212) 365-3673 |
| Owner Name: | FORDHAM TERR CO |
| Owner Address: | 201 E 23RD ST |
| Owner City,St,Zip: | NEW YORK, NY 10010 |
| Owner Telephone: | (212) 213-5556 |
| Owner Type: | Not reported |
| Owner Subtype: | Not reported |
| Mailing Name: | FORDHAM TERR CO |
| Mailing Address: | 201 E 23RD ST |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | NEW YORK, NY 10010 |
| Mailing Contact: | Not reported |

**WEBB AVENUE COMPANY LLC (Continued)** **U001832600**

| | |
|---|---|
| Mailing Telephone: | (212) 213-5556 |
| Owner Mark: | First Owner |
| Facility Status: | 3 - Administratively closed (reasons include business is closed and/or mail is undeliverable, and staff cannot check if tanks were removed; or a duplicate registration was generated). |
| Facility Addr2: | 2400 WEBB AVE |
| SWIS ID: | 6001 |
| Old PBS Number: | Not reported |
| Facility Type: | Not reported |
| Inspected Date: | Not reported |
| Inspector: | Not reported |
| Inspection Result: | Not reported |
| Federal ID: | Not reported |
| Certification Flag: | False |
| Certification Date: | 05/07/1987 |
| Expiration Date: | 05/07/1992 |
| Renew Flag: | False |
| Renewal Date: | Not reported |
| Total Capacity: | 0 |
| FAMT: | True |
| Facility Screen: | Minor Data Missing |
| Owner Screen: | Minor Data Missing |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank Id: | 001 |
| Tank Location: | UNDERGROUND |
| Tank Status: | Undefined |
| Install Date: | Not reported |
| Capacity (gals): | 7500 |
| Product Stored: | NOS 5 OR 6 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | Not reported |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Second Containment: | Other |
| Leak Detection: | Other |
| Overfill Prot: | Not reported |
| Dispenser: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | 09/01/1995 |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | False |
| Lat/long: | Not reported |

**I88 ENE 1/8-1/4 0.164 mi. 868 ft.** | **2400 WEBB AVENUE**
**2400 WEBB AVENUE**
**BRONX, NY 10468**

**Site 5 of 5 in cluster I**

**NY HIST UST** | **U001840795**
**N/A**

**Relative: Higher**

**Actual: 106 ft.**

HIST UST:

| | |
|---|---|
| PBS Number: | 2-475947 |
| SPDES Number: | Not reported |
| Emergency Contact: | ROCKAWAY SECURITY |
| Emergency Telephone: | (718) 327-3212 |
| Operator: | PEDRO DIAZ |
| Operator Telephone: | (718) 299-0711 |
| Owner Name: | WEBB AVENUE COMPANY LLC |
| Owner Address: | 524 NORTH AVE. |
| Owner City,St,Zip: | NEW ROCHELLE, NY 10801 |
| Owner Telephone: | (914) 235-3200 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Name: | WEBB AVENUE COMPANY, LLC |
| Mailing Address: | 524 NORTH AVENUE |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | NEW ROCHELLE, NY 10801 |
| Mailing Contact: | Not reported |
| Mailing Telephone: | (914) 235-3200 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Facility Addr2: | 2400 WEBB AVENUE |
| SWIS ID: | 6001 |
| Old PBS Number: | Not reported |
| Facility Type: | Not reported |
| Inspected Date: | Not reported |
| Inspector: | Not reported |
| Inspection Result: | Not reported |
| Federal ID: | Not reported |
| Certification Flag: | False |
| Certification Date: | 07/30/1999 |
| Expiration Date: | 06/22/2004 |
| Renew Flag: | False |
| Renewal Date: | Not reported |
| Total Capacity: | 7500 |
| FAMT: | True |
| Facility Screen: | Minor Data Missing |
| Owner Screen: | Minor Data Missing |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City: | 01 |
| Region: | 2 |
| | |
| Tank Id: | 001 |
| Tank Location: | UNDERGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (gals): | 7500 |

**2400 WEBB AVENUE (Continued)** **U001840795**

| | |
|---|---|
| Product Stored: | NOS 5 OR 6 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Wrapped (Piping) |
| Second Containment: | None |
| Leak Detection: | None |
| Overfill Prot: | Product Level Gauge |
| Dispenser: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | False |
| Lat/long: | Not reported |

---

**N89** **BRONX READY MIX WEST** **NY CBS AST** **S104073285**
**North** **265 W. FORDHAM RD.** **NY CBS** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.169 mi.**
**891 ft.** **Site 1 of 2 in cluster N**

**Relative:**
**Lower**

**Actual:**
**9 ft.**

CBS AST:

| | |
|---|---|
| CBS Number: | 2-000177 |
| ICS Number: | 2-700741 |
| PBS Number: | Not reported |
| MOSF Number: | Not reported |
| SPDES Number: | Not reported |
| Facility Status: | IN SERVICE |
| Facility Type: | D |
| Telephone: | (212) 295-8387 |
| Facility Town: | NEW YORK CITY |
| Region: | STATE |
| Expiration Date: | 09/22/1993 |
| Total Capacity of All Active Tanks(gal): | 0 |
| Operator: | CARMINE VALENTE |
| Emergency Contact: | SIL SANTANGELO |
| Emergency Phone: | (201) 933-8800 |
| Owner Name: | SIKA CORPORATION |
| Owner Address: | 201 POLITO AVE. |
| Owner City,St,Zip: | LYNDHURST, NJ 07071 |
| Owner Telephone: | (201) 933-8800 |
| Owner Type: | Corporate/Commercial |
| Owner Sub Type: | Not reported |
| Mail Name: | SIKA CORPORATION |
| Mail Contact Addr: | 201 POLITO AVE. |
| Mail Contact Addr2: | Not reported |
| Mail Contact Contact: | SIL SANTANGELO |
| Mail Contact City,St,Zip: | LYNDHURST, NJ 07071 |
| Mail Phone: | (201) 933-8800 |
| | |
| Tank Id: | 08312 |
| CAS Number: | 1310732 |

**BRONX READY MIX WEST (Continued)** **S104073285**

| | |
|---|---|
| Federal ID: | Not reported |
| Tank Status: | 0 |
| Install Date: | 10/87 |
| Tank Closed: | 00/00 |
| Capacity (Gal): | 1000 |
| Chemical: | Sodium hydroxide |
| Tank Location: | Indoors, Aboveground |
| Tank Type: | Fiberglass reinforced plastic [FRP] |
| Total Tanks: | 0 |
| Tank Secret: | False |
| Tank Secondary Containment: | None |
| Tank Error Status: | No Missing Data |
| Date Entered: | 09/22/1989 |
| Certified Date: | 11/19/1991 |
| Substance: | Single Hazardous Substance on DEC List |
| Internal Protection: | None |
| External Protection: | None |
| Pipe Location: | Aboveground |
| Pipe Type: | Unknown |
| Pipe Internal: | None |
| Pipe External: | None |
| Pipe Flag: | None |
| Leak Detection: | None |
| Overfill Protection: | None |
| Haz Percent: | 2 |
| Last Test: | Not reported |
| Due Date: | Not reported |
| SWIS Code: | 6001 |
| Lat/Long: | Not reported |
| Is Updated: | False |
| Renew Date: | 06/07/93 |
| Is It There: | False |
| Delinquent: | False |
| Date Expired: | 09/22/93 |
| Owner Mark: | 1 |
| Certificate Needs to be Printed: | False |
| Fiscal Amt for Registration Fee Correct: | True |
| Renewal Has Been Printed for Facility: | True |
| Pre-Printed Renewal App Last Printed: | 06/07/1993 |

| | |
|---|---|
| Tank Id: | 08233 |
| CAS Number: | 1310732 |
| Federal ID: | Not reported |
| Tank Status: | 0 |
| Install Date: | 10/87 |
| Tank Closed: | 00/00 |
| Capacity (Gal): | 500 |
| Chemical: | Sodium hydroxide |
| Tank Location: | Indoors, Aboveground |
| Tank Type: | Fiberglass reinforced plastic [FRP] |
| Total Tanks: | 0 |
| Tank Secret: | False |
| Tank Secondary Containment: | None |
| Tank Error Status: | No Missing Data |
| Date Entered: | 09/22/1989 |
| Certified Date: | 11/19/1991 |

**BRONX READY MIX WEST (Continued)** **S104073285**

| | |
|---|---|
| Substance: | Single Hazardous Substance on DEC List |
| Internal Protection: | None |
| External Protection: | None |
| Pipe Location: | Aboveground |
| Pipe Type: | Unknown |
| Pipe Internal: | None |
| Pipe External: | None |
| Pipe Flag: | None |
| Leak Detection: | None |
| Overfill Protection: | None |
| Haz Percent: | 1 |
| Last Test: | Not reported |
| Due Date: | Not reported |
| SWIS Code: | 6001 |
| Lat/Long: | Not reported |
| Is Updated: | False |
| Renew Date: | 06/07/93 |
| Is It There: | False |
| Delinquent: | False |
| Date Expired: | 09/22/93 |
| Owner Mark: | 1 |
| Certificate Needs to be Printed: | False |
| Fiscal Amt for Registration Fee Correct: | True |
| Renewal Has Been Printed for Facility: | True |
| Pre-Printed Renewal App Last Printed: | 06/07/1993 |

| | |
|---|---|
| Tank Id: | 08234 |
| CAS Number: | 1310732 |
| Federal ID: | Not reported |
| Tank Status: | 0 |
| Install Date: | 10/87 |
| Tank Closed: | 00/00 |
| Capacity (Gal): | 500 |
| Chemical: | Sodium hydroxide |
| Tank Location: | Indoors, Aboveground |
| Tank Type: | Fiberglass reinforced plastic [FRP] |
| Total Tanks: | 0 |
| Tank Secret: | False |
| Tank Secondary Containment: | None |
| Tank Error Status: | No Missing Data |
| Date Entered: | 09/22/1989 |
| Certified Date: | 11/19/1991 |
| Substance: | Single Hazardous Substance on DEC List |
| Internal Protection: | None |
| External Protection: | None |
| Pipe Location: | Aboveground |
| Pipe Type: | Unknown |
| Pipe Internal: | None |
| Pipe External: | None |
| Pipe Flag: | None |
| Leak Detection: | None |
| Overfill Protection: | None |
| Haz Percent: | 1 |
| Last Test: | Not reported |
| Due Date: | Not reported |
| SWIS Code: | 6001 |

**BRONX READY MIX WEST (Continued)** **S104073285**

| | |
|---|---|
| Lat/Long: | Not reported |
| Is Updated: | False |
| Renew Date: | 06/07/93 |
| Is It There: | False |
| Delinquent: | False |
| Date Expired: | 09/22/93 |
| Owner Mark: | 1 |
| Certificate Needs to be Printed: | False |
| Fiscal Amt for Registration Fee Correct: | True |
| Renewal Has Been Printed for Facility: | True |
| Pre-Printed Renewal App Last Printed: | 06/07/1993 |

| | |
|---|---|
| Tank Id: | 08115 |
| CAS Number: | 1310732 |
| Federal ID: | Not reported |
| Tank Status: | 0 |
| Install Date: | 10/85 |
| Tank Closed: | 00/00 |
| Capacity (Gal): | 275 |
| Chemical: | Sodium hydroxide |
| Tank Location: | Indoors, Aboveground |
| Tank Type: | Steel/carbon steel |
| Total Tanks: | 0 |
| Tank Secret: | False |
| Tank Secondary Containment: | None |
| Tank Error Status: | No Missing Data |
| Date Entered: | 09/22/1989 |
| Certified Date: | 11/19/1991 |
| Substance: | Single Hazardous Substance on DEC List |
| Internal Protection: | None |
| External Protection: | None |
| Pipe Location: | Aboveground |
| Pipe Type: | Unknown |
| Pipe Internal: | None |
| Pipe External: | None |
| Pipe Flag: | None |
| Leak Detection: | None |
| Overfill Protection: | None |
| Haz Percent: | 2 |
| Last Test: | Not reported |
| Due Date: | Not reported |
| SWIS Code: | 6001 |
| Lat/Long: | Not reported |
| Is Updated: | False |
| Renew Date: | 06/07/93 |
| Is It There: | False |
| Delinquent: | False |
| Date Expired: | 09/22/93 |
| Owner Mark: | 1 |
| Certificate Needs to be Printed: | False |
| Fiscal Amt for Registration Fee Correct: | True |
| Renewal Has Been Printed for Facility: | True |
| Pre-Printed Renewal App Last Printed: | 06/07/1993 |

| | |
|---|---|
| Tank Id: | 08211 |

**BRONX READY MIX WEST (Continued)** **S104073285**

| | |
|---|---|
| CAS Number: | 1310732 |
| Federal ID: | Not reported |
| Tank Status: | 0 |
| Install Date: | 10/85 |
| Tank Closed: | 00/00 |
| Capacity (Gal): | 500 |
| Chemical: | Sodium hydroxide |
| Tank Location: | Indoors, Aboveground |
| Tank Type: | Fiberglass reinforced plastic [FRP] |
| Total Tanks: | 0 |
| Tank Secret: | False |
| Tank Secondary Containment: | None |
| Tank Error Status: | No Missing Data |
| Date Entered: | 09/22/1989 |
| Certified Date: | 11/19/1991 |
| Substance: | Single Hazardous Substance on DEC List |
| Internal Protection: | None |
| External Protection: | None |
| Pipe Location: | Aboveground |
| Pipe Type: | Unknown |
| Pipe Internal: | None |
| Pipe External: | None |
| Pipe Flag: | None |
| Leak Detection: | None |
| Overfill Protection: | None |
| Haz Percent: | 2 |
| Last Test: | Not reported |
| Due Date: | Not reported |
| SWIS Code: | 6001 |
| Lat/Long: | Not reported |
| Is Updated: | False |
| Renew Date: | 06/07/93 |
| Is It There: | False |
| Delinquent: | False |
| Date Expired: | 09/22/93 |
| Owner Mark: | 1 |
| Certificate Needs to be Printed: | False |
| Fiscal Amt for Registration Fee Correct: | True |
| Renewal Has Been Printed for Facility: | True |
| Pre-Printed Renewal App Last Printed: | 06/07/1993 |

Click this hyperlink while viewing on your computer to access additional NY_AST_CBS: detail in the EDR Site Report.

CBS:

| | |
|---|---|
| CBS Number: | 2-000177 |
| Program Type: | CBS |
| Facility Status: | Unregulated |
| Expiration Date: | Not reported |
| Dec Region: | 2 |
| UTMX: | 591758.52641000 |
| UTMY: | 4523976.9149399 |

**N90** **BRONX READY MIX CONCRETE CORP.** **NY UST** **U001832776**
**North** **265 WEST FORDHAM ROAD** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.169 mi.**
**891 ft.** **Site 2 of 2 in cluster N**

**Relative:**
**Lower**

**Actual:**
**9 ft.**

UST:

| | |
|---|---|
| Id/Status: | 2-130826 / Active |
| Program Type: | PBS |
| Region: | STATE |
| DEC Region: | 2 |
| Expiration Date: | 01/06/2009 |
| UTM X: | 591821.95782000001 |
| UTM Y: | 4524019.2765600001 |
| Site Type: | Trucking/Transportation/Fleet Operation |

Affiliation Records:

| | |
|---|---|
| Site Id: | 4127 |
| Affiliation Type: | Facility Owner |
| Company Name: | GALWAY REALTY, LLC |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 265 WEST FORDHAM ROAD |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10468 |
| Country Code: | 001 |
| Phone: | (718) 526-5588 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 4127 |
| Affiliation Type: | Mail Contact |
| Company Name: | GALWAY REALTY LLC |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 265 WEST FORDHAM ROAD |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10468 |
| Country Code: | 001 |
| Phone: | (718) 526-5588 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 4127 |
| Affiliation Type: | On-Site Operator |
| Company Name: | BRONX READY MIX CONCRETE CORP. |
| Contact Type: | Not reported |
| Contact Name: | THOMAS SHAUGNESSY |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |

**BRONX READY MIX CONCRETE CORP. (Continued)** **U001832776**

| | |
|---|---|
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 526-5588 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 4127 |
| Affiliation Type: | Emergency Contact |
| Company Name: | GALWAY REALTY, LLC |
| Contact Type: | Not reported |
| Contact Name: | THOMAS SHAUGNESSY |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 526-5588 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

Tank Info:

| | |
|---|---|
| Tank Number: | 01 |
| Tank ID: | 5329 |
| Tank Status: | In Service |
| Material Name: | In Service |
| Capacity Gallons: | 3000 |
| Install Date: | 05/01/1981 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

| | |
|---|---|
| Tightness Test Method: | 00 |
| Date Test: | Not reported |
| Next Test Date: | 05/01/1991 |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
F01 - Pipe External Protection - Painted/Asphalt Coating
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser

**BRONX READY MIX CONCRETE CORP. (Continued)** **U001832776**

L09 - Piping Leak Detection - Exempt Suction Piping

| | |
|---|---|
| Tank Number: | 02 |
| Tank ID: | 5330 |
| Tank Status: | In Service |
| Material Name: | In Service |
| Capacity Gallons: | 1500 |
| Install Date: | 05/01/1981 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |
| Tightness Test Method: | 00 |
| Date Test: | Not reported |
| Next Test Date: | 05/01/1991 |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

F01 - Pipe External Protection - Painted/Asphalt Coating
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)

---

**L91** **2226 LORING PLACE** **NY AST** **U003395407**
**SSE** **2226 LORING PLACE N** **NY HIST AST** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.173 mi.**
**912 ft.** **Site 9 of 12 in cluster L**

**Relative:**
**Higher**

**Actual:**
**168 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Inactive |
| Facility Id: | 2-340855 |
| Program Type: | PBS |
| UTM X: | 591884.62818 |
| UTM Y: | 4523778.2482599998 |
| Expiration Date: | 11/16/1992 |
| Site Type: | Unknown |

Affiliation Records:

| | |
|---|---|
| Site Id: | 16480 |
| Affiliation Type: | Facility Owner |
| Company Name: | STEVEN S GREEN & CO INC |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 369 ASHFORD AVENUE |

**2226 LORING PLACE (Continued)** **U003395407**

| | |
|---|---|
| Address2: | Not reported |
| City: | DOBBS FERRY |
| State: | NY |
| Zip Code: | 10522 |
| Country Code: | 001 |
| Phone: | (914) 693-4748 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 16480 |
| Affiliation Type: | Mail Contact |
| Company Name: | STEVEN S GREEN & CO INC |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 369 ASHFORD AVENUE |
| Address2: | Not reported |
| City: | DOBBS FERRY |
| State: | NY |
| Zip Code: | 10522 |
| Country Code: | 001 |
| Phone: | (914) 693-4748 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 16480 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2226 LORING PLACE NO |
| Contact Type: | Not reported |
| Contact Name: | 2226 LORING PLACE NO |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (914) 693-4748 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 16480 |
| Affiliation Type: | Emergency Contact |
| Company Name: | STEVEN S GREEN & CO INC |
| Contact Type: | Not reported |
| Contact Name: | STEVEN S GREEN & CO INC |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (914) 693-4748 |

**2226 LORING PLACE (Continued)** **U003395407**

| | |
|---|---|
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 31675 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

B00 - Tank External Protection - None
J02 - Dispenser - Suction Dispenser
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
G00 - Tank Secondary Containment - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | Tank Converted to Non-Regulated Use |
| Pipe Model: | Not reported |
| Install Date: | Not reported |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | 04/01/1998 |
| Register: | True |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 39722 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)
L09 - Piping Leak Detection - Exempt Suction Piping
J02 - Dispenser - Suction Dispenser
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
E00 - Piping Secondary Containment - None
C01 - Pipe Location - Aboveground
I05 - Overfill - Vent Whistle
H99 - Tank Leak Detection - Other
K00 - Spill Prevention - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None

**2226 LORING PLACE (Continued)** **U003395407**

B01 - Tank External Protection - Painted/Asphalt Coating

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 04/19/1993 |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | KAKYER |
| Last Modified: | 01/07/2013 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

Affiliation Records:

| | |
|---|---|
| Site Id: | 21813 |
| Affiliation Type: | Mail Contact |
| Company Name: | LORING PLACE PROPERTIES, LLC |
| Contact Type: | Not reported |
| Contact Name: | SOLAR REALTY MANAGEMENT CORP. |
| Address1: | 57 WEST 38TH ST., 2ND FLOOR |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10116 |
| Country Code: | 001 |
| Phone: | (212) 633-9985 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | dxliving |
| Date Last Modified: | 1/28/2008 |

| | |
|---|---|
| Site Id: | 21813 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2226 LORING PLACE REALTY LLC |
| Contact Type: | Not reported |
| Contact Name: | JOSE |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (347) 678-1667 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | dxliving |
| Date Last Modified: | 1/28/2008 |

| | |
|---|---|
| Site Id: | 21813 |
| Affiliation Type: | Emergency Contact |
| Company Name: | LORING PLACE PROPERTIES LLC |
| Contact Type: | Not reported |
| Contact Name: | ASLA CAPIN |
| Address1: | Not reported |

**2226 LORING PLACE (Continued)** **U003395407**

| | |
|---|---|
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (212) 633-9985 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | dxliving |
| Date Last Modified: | 1/28/2008 |

| | |
|---|---|
| Site Id: | 21813 |
| Affiliation Type: | Facility Owner |
| Company Name: | LORING PLACE PROPERTIES LLC |
| Contact Type: | COMPLIANCE |
| Contact Name: | ASLIHAN CAPIN |
| Address1: | PO BOX 1969 - JAF STATION |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10116 |
| Country Code: | 001 |
| Phone: | (212) 633-9985 215 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | dxliving |
| Date Last Modified: | 1/28/2008 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 31675 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

| | |
|---|---|
| | B00 - Tank External Protection - None |
| | J02 - Dispenser - Suction Dispenser |
| | D01 - Pipe Type - Steel/Carbon Steel/Iron |
| | A00 - Tank Internal Protection - None |
| | G00 - Tank Secondary Containment - None |
| | I04 - Overfill - Product Level Gauge (A/G) |
| | F00 - Pipe External Protection - None |
| | C00 - Pipe Location - No Piping |
| | H00 - Tank Leak Detection - None |
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | Tank Converted to Non-Regulated Use |
| Pipe Model: | Not reported |
| Install Date: | Not reported |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | 04/01/1998 |
| Register: | True |

**2226 LORING PLACE (Continued)** **U003395407**

Modified By: TRANSLAT
Last Modified: 03/04/2004
Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 001
Tank Id: 39722
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:
G03 - Tank Secondary Containment - Vault (w/o access)
L09 - Piping Leak Detection - Exempt Suction Piping
J02 - Dispenser - Suction Dispenser
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
E00 - Piping Secondary Containment - None
C01 - Pipe Location - Aboveground
I05 - Overfill - Vent Whistle
H99 - Tank Leak Detection - Other
K00 - Spill Prevention - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 04/19/1993
Capacity Gallons: 4000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: KAKYER
Last Modified: 01/07/2013
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:
PBS Number: 2-509949
SWIS Code: 6001
Operator: JOSE FELIX
Facility Phone: (917) 758-8350
Facility Addr2: 2226 LORING PLACE N
Facility Type: APARTMENT BUILDING
Emergency: JOSE FELIX
Emergency Tel: (917) 758-8350
Old PBSNO: Not reported
Date Inspected: Not reported
Inspector: Not reported
Result of Inspection: Not reported
Owner Name: LORINGTON REALTY PARTNERS L.P.
Owner Address: 3152 ALBANY CRESCENT
Owner City,St,Zip: BRONX, NY 10463
Federal ID: Not reported

**2226 LORING PLACE (Continued)** **U003395407**

| | |
|---|---|
| Owner Tel: | (718) 543-8787 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | Not reported |
| Mailing Name: | LORINGTON REALTY PARTNERS L.P. |
| Mailing Address: | 3152 ALBANY CRESCENT |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10463 |
| Mailing Telephone: | (718) 543-8787 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 12/06/1995 |
| Expiration: | 02/04/2001 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 4000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | No Missing Data |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 4000 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | 0 |
| Tank External: | 01 |
| Pipe Location: | Aboveground |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | None |
| Pipe External: | 00 |
| Tank Containment: | Diking |
| Leak Detection: | 9 |
| Overfill Protection: | 64 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | No Missing Data |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

**O92 ESE 1/8-1/4 0.174 mi. 917 ft.** | **2315 ANDREWS AVE, NORTH**
**2315 ANDREWS AVE**
**BRONX, NY 10468**

**Site 1 of 6 in cluster O**

**NY AST** | **A100291856**
**N/A**

**Relative: Higher**

**Actual: 134 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-607996 |
| Program Type: | PBS |
| UTM X: | 592064.42081000004 |
| UTM Y: | 4523931.5596099999 |
| Expiration Date: | 08/22/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 29848 |
| Affiliation Type: | Facility Owner |
| Company Name: | 2315 ASSOCIATES LLC |
| Contact Type: | MEMBER |
| Contact Name: | 2314 ASSOCIATES LLC |
| Address1: | PO BOX 589 |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10470 |
| Country Code: | 001 |
| Phone: | (718) 994-7420 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 8/29/2012 |

| | |
|---|---|
| Site Id: | 29848 |
| Affiliation Type: | Mail Contact |
| Company Name: | 2315 ASSOCIATES, LLC |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | P.O. BOX 589 |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10470 |
| Country Code: | 001 |
| Phone: | (718) 994-7420 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | dxliving |
| Date Last Modified: | 2/17/2009 |

| | |
|---|---|
| Site Id: | 29848 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2315 ANDREWS AVE, NORTH |
| Contact Type: | Not reported |
| Contact Name: | RAUL ACUCPINA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |

**2315 ANDREWS AVE, NORTH (Continued)** **A100291856**

| | |
|---|---|
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 994-7420 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 8/29/2012 |

| | |
|---|---|
| Site Id: | 29848 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 2315 ASSOCIATES LLC |
| Contact Type: | Not reported |
| Contact Name: | MIQUEL VICHAY |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (646) 685-9043 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 8/29/2012 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 64110 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

| | |
|---|---|
| | F00 - Pipe External Protection - None |
| | A00 - Tank Internal Protection - None |
| | B99 - Tank External Protection - Other |
| | D01 - Pipe Type - Steel/Carbon Steel/Iron |
| | J02 - Dispenser - Suction Dispenser |
| | L09 - Piping Leak Detection - Exempt Suction Piping |
| | G00 - Tank Secondary Containment - None |
| | I05 - Overfill - Vent Whistle |
| | C01 - Pipe Location - Aboveground |
| | H00 - Tank Leak Detection - None |
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1921 |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | MSBAPTIS |

**2315 ANDREWS AVE, NORTH (Continued)** **A100291856**

Last Modified: 08/29/2012
Material Name: #2 Fuel Oil (On-Site Consumption)

---

**M93 SE 1/8-1/4 0.175 mi. 924 ft.** | **2277 ANDREWS AVENUE 2277 ANDREWS AVENUE BRONX, NY 10468** | **NY LTANKS NY HIST UST** | **U003153180 N/A**

**Site 2 of 14 in cluster M**

**Relative: Higher**

**Actual: 148 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 166751 |
| Spill Number/Closed Date: | 9705847 / 1/15/2009 |
| Spill Date: | 8/14/1997 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Private Dwelling |
| Spill Class: | Known release that creates potential for fire or hazard. (Highly Improbable) |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | JMKRIMGO |
| Referred To: | MACDONALD |
| Reported to Dept: | 8/14/1997 |
| CID: | 205 |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 8/14/1997 |
| Spill Record Last Update: | 1/15/2009 |
| Spiller Name: | MR.EIFERANN |
| Spiller Company: | APARTMENT BUILDING |
| Spiller Address: | 2277 ANDREWS AVENUE |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller County: | 001 |
| Spiller Contact: | MR.EIFERANN |
| Spiller Phone: | (718) 972-1073 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 24713 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "M TIBBE"Oil bubbles out around man-way. Not man-way gasket.Spill assigned to James Drumm for SCIsent further info letter to owner, Martin Kirzner. No response. phone # 718 972 10739/8/06 transferred to bf9/20/06 ttf certified letter returned "return to sender, insufficient address, unable to forward" bf9/21/06 resent letter ttf to address obtained from acris. bf10/8/08 At 1036, received message from Max Gordon ? (718)258-8800 x-209. Called back and left message. bf1/15/09. J.Krimgold reviewed the letter-report submitted by Cosmos Environmental Services, dated March 24, 2008. According to the report two groundwater wells were installed in the close proximity of the tank. No free product or contaminated soil was found. Analysis of GW also show no presence of contaminants. NFA. JK. |
| Remarks: | failed test |

**2277 ANDREWS AVENUE (Continued)** **U003153180**

Material:

| | |
|---|---|
| Site ID: | 166751 |
| Operable Unit ID: | 1049122 |
| Operable Unit: | 01 |
| Material ID: | 331464 |
| Material Code: | 0003A |
| Material Name: | #6 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 166751 |
| Spill Tank Test: | 1545275 |
| Tank Number: | 1 |
| Tank Size: | 5000 |
| Test Method: | 03 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Horner EZ Check I or II |

HIST UST:

| | |
|---|---|
| PBS Number: | 2-602844 |
| SPDES Number: | Not reported |
| Emergency Contact: | RAMON BLANCO |
| Emergency Telephone: | (718) 365-5373 |
| Operator: | RAMON BLANCO |
| Operator Telephone: | (718) 365-5373 |
| Owner Name: | MMIKP BRONX REALTY |
| Owner Address: | P.O. BOX 300513, MIDWOOD STATION |
| Owner City,St,Zip: | BROOKLYN, NY 11230 |
| Owner Telephone: | (718) 972-1073 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Name: | MMIKP BRONX REALTY |
| Mailing Address: | P.O. BOX 300513, MIDWOOD STATION |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BROOKLYN, NY 11230 |
| Mailing Contact: | MARTIN KIRZNER |
| Mailing Telephone: | (718) 972-1073 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Facility Addr2: | Not reported |
| SWIS ID: | 6001 |
| Old PBS Number: | Not reported |
| Facility Type: | APARTMENT BUILDING |
| Inspected Date: | Not reported |

**2277 ANDREWS AVENUE (Continued)** **U003153180**

| | |
|---|---|
| Inspector: | Not reported |
| Inspection Result: | Not reported |
| Federal ID: | Not reported |
| Certification Flag: | False |
| Certification Date: | 08/24/2001 |
| Expiration Date: | 12/03/2006 |
| Renew Flag: | False |
| Renewal Date: | Not reported |
| Total Capacity: | 4000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank Id: | 001 |
| Tank Location: | UNDERGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (gals): | 4000 |
| Product Stored: | NOS 5 OR 6 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | Not reported |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Second Containment: | Not reported |
| Leak Detection: | Not reported |
| Overfill Prot: | Not reported |
| Dispenser: | Not reported |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| Lat/long: | Not reported |

---

**M94** **2277 ANDREWS AVENUE** **NY AST** **A100353026**
**SE** **2277 ANDREWS AVENUE** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.175 mi.**
**924 ft.** **Site 3 of 14 in cluster M**

**Relative:**
**Higher**

**Actual:**
**148 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-602844 |
| Program Type: | PBS |

**2277 ANDREWS AVENUE (Continued)** **A100353026**

| | |
|---|---|
| UTM X: | 592061.60849000001 |
| UTM Y: | 4523905.5003599999 |
| Expiration Date: | 12/03/2016 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 24799 |
| Affiliation Type: | Facility Owner |
| Company Name: | MMIKP BRONX REALTY |
| Contact Type: | MGR |
| Contact Name: | MARTIN KIRZNER |
| Address1: | P.O. BOX 300513, MIDWOOD STATION |
| Address2: | Not reported |
| City: | BROOKLYN |
| State: | NY |
| Zip Code: | 11230 |
| Country Code: | 001 |
| Phone: | (718) 258-8800 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 9/22/2010 |

| | |
|---|---|
| Site Id: | 24799 |
| Affiliation Type: | Mail Contact |
| Company Name: | MMIKP BRONX REALTY |
| Contact Type: | Not reported |
| Contact Name: | MARTIN KIRZNER |
| Address1: | P.O. BOX 300513 |
| Address2: | MIDWOOD STATION |
| City: | BROOKLYN |
| State: | NY |
| Zip Code: | 11230 |
| Country Code: | 001 |
| Phone: | (718) 258-8800 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 9/22/2010 |

| | |
|---|---|
| Site Id: | 24799 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2277 ANDREWS AVENUE |
| Contact Type: | Not reported |
| Contact Name: | JOSE VADERHORST |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (646) 704-8974 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 9/22/2010 |

| | |
|---|---|
| Site Id: | 24799 |

**2277 ANDREWS AVENUE (Continued)** **A100353026**

| | |
|---|---|
| Affiliation Type: | Emergency Contact |
| Company Name: | MMIKP BRONX REALTY |
| Contact Type: | Not reported |
| Contact Name: | RAMON BLANCO |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 365-5373 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 9/22/2010 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 51812 |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

B00 - Tank External Protection - None
K00 - Spill Prevention - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 05/01/1996 |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | NRLOMBAR |
| Last Modified: | 09/22/2010 |
| Material Name: | #6 Fuel Oil (On-Site Consumption) |

**M95** **F.BHC** **NY AST** **A100153958**
**SE** **2295 ANDREWS AVENUE N** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.175 mi.**
**926 ft.** **Site 4 of 14 in cluster M**

**Relative:**
**Higher**

**Actual:**
**143 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-468495 |
| Program Type: | PBS |
| UTM X: | 592095.53336 |
| UTM Y: | 4523959.0835199999 |
| Expiration Date: | 07/02/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 20426 |
| Affiliation Type: | Mail Contact |
| Company Name: | FORDHAM FEDFORD HOUSING CORP. |
| Contact Type: | Not reported |
| Contact Name: | CATHERINE M. BRADY |
| Address1: | 2751 GRAND CONCOURSE |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10468-3001 |
| Country Code: | 001 |
| Phone: | (718) 367-3200 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 5/21/2012 |

| | |
|---|---|
| Site Id: | 20426 |
| Affiliation Type: | On-Site Operator |
| Company Name: | F.BHC |
| Contact Type: | Not reported |
| Contact Name: | CATHIE BRADY |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 367-3200 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 4/8/2011 |

| | |
|---|---|
| Site Id: | 20426 |
| Affiliation Type: | Emergency Contact |
| Company Name: | METRO PARK HDFC |
| Contact Type: | Not reported |
| Contact Name: | HENG K. LY |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |

**F.BHC (Continued)** **A100153958**

| | |
|---|---|
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 367-3200 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 4/8/2011 |

| | |
|---|---|
| Site Id: | 20426 |
| Affiliation Type: | Facility Owner |
| Company Name: | METRO PARK HDFC |
| Contact Type: | MANAGING AGENT |
| Contact Name: | CATHERINE M. BRADY |
| Address1: | 2751 GRAND CONCOURSE |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10468-3001 |
| Country Code: | 001 |
| Phone: | (718) 367-3200 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 5/21/2012 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 37126 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J01 - Dispenser - Pressurized Dispenser
B00 - Tank External Protection - None
K00 - Spill Prevention - None
I00 - Overfill - None
H00 - Tank Leak Detection - None
E02 - Piping Secondary Containment - Vault (with Access)
L00 - Piping Leak Detection - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1922 |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |

**F.BHC (Continued)** **A100153958**

Register: True
Modified By: MSBAPTIS
Last Modified: 04/08/2011
Material Name: #2 Fuel Oil (On-Site Consumption)

---

**M96** **2327 ANDREWS AVE LLC** **NY AST** **A100175032**
**ESE** **2327 ANDREWS AVENUE** **N/A**
**1/8-1/4** **BRONX, NY 10453**
**0.177 mi.**
**935 ft.** **Site 5 of 14 in cluster M**

**Relative:**
**Higher**

**Actual:**
**137 ft.**

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-070769
Program Type: PBS
UTM X: 592082.30252999999
UTM Y: 4523957.6519799996
Expiration Date: 02/01/2015
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 1589
Affiliation Type: Mail Contact
Company Name: 2327 ANDREWS AVE JDB LLC
Contact Type: Not reported
Contact Name: KAREN ABINACER OR MONIQUE CASABLANCA
Address1: 217 W 231ST ST SUITE 3
Address2: Not reported
City: BRONX
State: NY
Zip Code: 10463
Country Code: 001
Phone: (347) 202-9405
EMail: CASABLANCAMGT@AOL.COM
Fax Number: Not reported
Modified By: BVCAMPBE
Date Last Modified: 5/11/2010

Site Id: 1589
Affiliation Type: On-Site Operator
Company Name: 2327 ANDREWS AVE LLC
Contact Type: Not reported
Contact Name: RAY BOUDERAU
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (347) 202-9405
EMail: Not reported
Fax Number: Not reported
Modified By: BVCAMPBE
Date Last Modified: 5/11/2010

Site Id: 1589

**2327 ANDREWS AVE LLC (Continued)** **A100175032**

| | |
|---|---|
| Affiliation Type: | Emergency Contact |
| Company Name: | 2327 ANDREWS AVE JDB LLC |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | Not reported |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 5/11/2010 |

| | |
|---|---|
| Site Id: | 1589 |
| Affiliation Type: | Facility Owner |
| Company Name: | 2327 ANDREWS AVE JDB LLC |
| Contact Type: | MEMBER |
| Contact Name: | RAY BOUDERAU |
| Address1: | 217 W 231ST ST SUITE 3 |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10463 |
| Country Code: | 001 |
| Phone: | (347) 202-9405 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 5/11/2010 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 2838 |
| Material Code: | 0002 |
| Common Name of Substance: | #4 Fuel Oil (On-Site Consumption) |

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I01 - Overfill - Float Vent Valve
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
F04 - Pipe External Protection - Fiberglass
B00 - Tank External Protection - None
K00 - Spill Prevention - None

| | |
|---|---|
| Tank Location: | 2 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |

**2327 ANDREWS AVE LLC (Continued)** **A100175032**

| | |
|---|---|
| Pipe Model: | Not reported |
| Install Date: | 01/01/1924 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | NRLOMBAR |
| Last Modified: | 01/20/2010 |
| Material Name: | #4 Fuel Oil (On-Site Consumption) |

---

**M97** **CON EDISON** **NY MANIFEST** **S117058687**
**SE** **2290 ANDREWS AV** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.177 mi.**
**937 ft.** **Site 6 of 14 in cluster M**

**Relative:**
**Higher**

**Actual:**
**145 ft.**

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYP004508225 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | CON EDISON |
| Contact: | CON EDISON |
| Address: | 4 IRVING PL |
| Address 2: | 15TH FL |
| City/State/Zip: | NEW YORK, NY 10003 |
| Country: | USA |
| Phone: | Not reported |

NY MANIFEST:

No Manifest Records Available

---

**M98** **RESIDENTS** **NY AST** **U003387386**
**SE** **2290 ANDREWS AVE N** **NY HIST AST** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.178 mi.**
**939 ft.** **Site 7 of 14 in cluster M**

**Relative:**
**Higher**

**Actual:**
**145 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-251860 |
| Program Type: | PBS |
| UTM X: | 592092.80654000002 |
| UTM Y: | 4523954.7766100001 |
| Expiration Date: | 09/11/2018 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 10124 |
| Affiliation Type: | Mail Contact |
| Company Name: | Not reported |
| Contact Type: | Not reported |
| Contact Name: | JACOB EISENSTEIN |

**RESIDENTS (Continued)** **U003387386**

| | |
|---|---|
| Address1: | 244 WEST 54TH STREET |
| Address2: | SUITE 702 |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10019 |
| Country Code: | 001 |
| Phone: | (212) 582-9080 |
| EMail: | JACOB@EISENSTEINREALTY.COM |
| Fax Number: | Not reported |
| Modified By: | CGFREEDM |
| Date Last Modified: | 5/5/2014 |

| | |
|---|---|
| Site Id: | 10124 |
| Affiliation Type: | On-Site Operator |
| Company Name: | RESIDENTS |
| Contact Type: | Not reported |
| Contact Name: | FEDERICO ALBINO |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (917) 604-4516 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 4/4/2014 |

| | |
|---|---|
| Site Id: | 10124 |
| Affiliation Type: | Emergency Contact |
| Company Name: | JEFFERSON 937 REAL ESTATE LLC |
| Contact Type: | Not reported |
| Contact Name: | JACOB EISENSTEIN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (212) 582-9080 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 4/4/2014 |

| | |
|---|---|
| Site Id: | 10124 |
| Affiliation Type: | Facility Owner |
| Company Name: | JEFFERSON 937 REAL ESTATE LLC |
| Contact Type: | AGENT |
| Contact Name: | JACOB EISENSTEIN |
| Address1: | 244 WEST 54TH STREET SUITE 702 |
| Address2: | Not reported |
| City: | NY |
| State: | NY |
| Zip Code: | 10019 |
| Country Code: | 001 |

**RESIDENTS (Continued)** **U003387386**

| | |
|---|---|
| Phone: | (212) 582-9080 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 4/4/2014 |

Tank Info:

| | |
|---|---|
| Tank Number: | 123 |
| Tank Id: | 11799 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
K00 - Spill Prevention - None

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 03/09/1971 |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 04/04/2014 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-251860 |
| SWIS Code: | 6001 |
| Operator: | DANIEL PLATOVSKY |
| Facility Phone: | (212) 292-2020 |
| Facility Addr2: | 2290 ANDREWS AVE S |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | DANIEL PLATOVSKY |
| Emergency Tel: | (212) 292-2020 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | 2290 ANDREWS AVE CORPORATION |
| Owner Address: | PO BOX 674 |

**RESIDENTS (Continued)** **U003387386**

| | |
|---|---|
| Owner City,St,Zip: | NEW YORK, NY 10467 |
| Federal ID: | Not reported |
| Owner Tel: | (212) 292-2020 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | SUPER FACILITY MANAGER |
| Mailing Name: | RESIDENTS |
| Mailing Address: | 2290 ANDREWS AVENUE N |
| Mailing Address 2: | P.O. BOX 674 |
| Mailing City,St,Zip: | NEW YORK, NY 10012 |
| Mailing Telephone: | (212) 292-2020 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 04/21/1998 |
| Expiration: | 07/07/2002 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 3000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | Minor Data Missing |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 123 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 3000 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | Not reported |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | None |
| Leak Detection: | 0 |
| Overfill Protection: | 4 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | False |
| SPDES Number: | Not reported |

**RESIDENTS (Continued)** **U003387386**

Lat/Long: Not reported

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**M99** **2296 ANDREWS AVE** **NY AST** **U003384057**
**SE** **2296 ANDREWS AVE N** **NY HIST AST** **N/A**
**1/8-1/4** **BRONX, NY 10455**
**0.178 mi.**
**940 ft.** **Site 8 of 14 in cluster M**

**Relative:**
**Higher**

**Actual:**
**142 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-081191 |
| Program Type: | PBS |
| UTM X: | 592104.83663000003 |
| UTM Y: | 4523973.7777199997 |
| Expiration Date: | 02/11/2015 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 1681 |
| Affiliation Type: | Mail Contact |
| Company Name: | 2296 REALTY LLC |
| Contact Type: | Not reported |
| Contact Name: | FRANK LOPIANO |
| Address1: | 4419 3RD AVE |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10457 |
| Country Code: | 001 |
| Phone: | (718) 228-0020 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 4/29/2010 |

| | |
|---|---|
| Site Id: | 1681 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2296 ANDREWS AVE |
| Contact Type: | Not reported |
| Contact Name: | WILFRDEO LARA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (347) 932-2795 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 4/29/2010 |

| | |
|---|---|
| Site Id: | 1681 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 2296 REALTY LLC |
| Contact Type: | Not reported |

**2296 ANDREWS AVE (Continued)** **U003384057**

| | |
|---|---|
| Contact Name: | JAC ZADRIMA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (347) 419-8119 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 4/29/2010 |

| | |
|---|---|
| Site Id: | 1681 |
| Affiliation Type: | Facility Owner |
| Company Name: | 2296 REALTY LLC |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 4419 3RD AVE |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10457 |
| Country Code: | 001 |
| Phone: | (718) 228-0020 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 4/29/2010 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 2892 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

F04 - Pipe External Protection - Fiberglass
B00 - Tank External Protection - None
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
G03 - Tank Secondary Containment - Vault (w/o access)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I01 - Overfill - Float Vent Valve

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1930 |
| Capacity Gallons: | 4000 |

**2296 ANDREWS AVE (Continued)** **U003384057**

| | |
|---|---|
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | dxliving |
| Last Modified: | 09/24/2007 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-081191 |
| SWIS Code: | 6001 |
| Operator: | MARIO PAJUELO |
| Facility Phone: | (718) 364-1161 |
| Facility Addr2: | 2296 ANDREWS AVE S |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | DAVID KRAMER |
| Emergency Tel: | (718) 258-4288 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | M & D MANAGEMENT, LLC |
| Owner Address: | PO BOX 300-625 |
| Owner City,St,Zip: | BROOKLYN, NY 11230 |
| Federal ID: | Not reported |
| Owner Tel: | (718) 258-4288 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | YUSSI GROSS |
| Mailing Name: | M & D MANAGEMENT, LLC |
| Mailing Address: | PO BOX 300-625 |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BROOKLYN, NY 11230 |
| Mailing Telephone: | (718) 258-4288 |
| Owner Mark: | Second Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 12/21/2001 |
| Expiration: | 12/17/2006 |
| Renew Flag: | False |
| Renew Date: | 11/13/2001 |
| Total Capacity: | 4000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | No Missing Data |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |
| Tank ID: | 001 |

**2296 ANDREWS AVE (Continued)** **U003384057**

| | |
|---|---|
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 4000 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | 1 |
| Tank External: | 0 |
| Pipe Location: | Aboveground/Underground Combination |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | None |
| Pipe External: | 6 |
| Tank Containment: | Diking |
| Leak Detection: | 0 |
| Overfill Protection: | 4 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | No Missing Data |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

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**M100** **2321 ANDREWS TOWERS LLC** **NY AST** **A100173345**
**ESE** **2321 ANDREWS AVE** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.178 mi.**
**940 ft.** **Site 9 of 14 in cluster M**

**Relative:**
**Higher**

**Actual:**
**138 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-251852 |
| Program Type: | PBS |
| UTM X: | 592144.53595000005 |
| UTM Y: | 4524036.4814299997 |
| Expiration Date: | 09/02/2015 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 10123 |
| Affiliation Type: | Mail Contact |
| Company Name: | 2321 ANDREWS TOWERS LLC |
| Contact Type: | OFFICER |
| Contact Name: | YONAH FRIEDMAN |
| Address1: | PO BOX 150 |
| Address2: | Not reported |
| City: | MONSEY |
| State: | NY |
| Zip Code: | 10952 |
| Country Code: | 001 |
| Phone: | (718) 492-9885 |
| EMail: | Not reported |
| Fax Number: | Not reported |

**2321 ANDREWS TOWERS LLC (Continued)** **A100173345**

| | |
|---|---|
| Modified By: | MSBAPTIS |
| Date Last Modified: | 6/13/2011 |

| | |
|---|---|
| Site Id: | 10123 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2321 ANDREWS TOWERS LLC |
| Contact Type: | Not reported |
| Contact Name: | MIQUEL FERREIRA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (347) 501-0951 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 6/13/2011 |

| | |
|---|---|
| Site Id: | 10123 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 2321 ANDREWS TOWERS LLC |
| Contact Type: | Not reported |
| Contact Name: | MIQUEL FERREIRA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 492-9885 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 6/13/2011 |

| | |
|---|---|
| Site Id: | 10123 |
| Affiliation Type: | Facility Owner |
| Company Name: | 2321 ANDREWS TOWERS LLC |
| Contact Type: | OFFICER |
| Contact Name: | YONAH FRIEDMAN |
| Address1: | PO BOX 150 |
| Address2: | Not reported |
| City: | MONSEY |
| State: | NY |
| Zip Code: | 10952 |
| Country Code: | 001 |
| Phone: | (718) 492-9885 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 6/13/2011 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |

**2321 ANDREWS TOWERS LLC (Continued)** **A100173345**

| | |
|---|---|
| Tank Id: | 11798 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1922 |
| Capacity Gallons: | 3500 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 06/13/2011 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

---

**O101** **APARTMENT HOUSE** **NY AST** **U003393289**
**ESE** **2333 ANDREWS AVE N** **NY HIST AST** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.179 mi.**
**945 ft.** **Site 2 of 6 in cluster O**

**Relative:**
**Higher**

**Actual:**
**136 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-327026 |
| Program Type: | PBS |
| UTM X: | 592167.15252999996 |
| UTM Y: | 4524072.2035400001 |
| Expiration Date: | 10/20/2018 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 15258 |
| Affiliation Type: | Facility Owner |
| Company Name: | ANDREWS ZUCK REALTY CORP. |
| Contact Type: | GENERAL MANAGER |
| Contact Name: | MICHAEL L. TIROTTA |
| Address1: | 10 EAST 40TH STREET |
| Address2: | Not reported |
| City: | NEW YORK |

**APARTMENT HOUSE (Continued)** **U003393289**

| | |
|---|---|
| State: | NY |
| Zip Code: | 10016 |
| Country Code: | 001 |
| Phone: | (212) 685-5968 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 4/25/2007 |

| | |
|---|---|
| Site Id: | 15258 |
| Affiliation Type: | Mail Contact |
| Company Name: | 2333 ANDREWS REALTY, LLC |
| Contact Type: | Not reported |
| Contact Name: | MICHAEL TIROTTA |
| Address1: | P.O. BOX 711 |
| Address2: | Not reported |
| City: | MERRICK |
| State: | NY |
| Zip Code: | 11566 |
| Country Code: | 001 |
| Phone: | (718) 701-4624 |
| EMail: | MLT@ZUCKERLAW.COM |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 9/6/2013 |

| | |
|---|---|
| Site Id: | 15258 |
| Affiliation Type: | On-Site Operator |
| Company Name: | APARTMENT HOUSE |
| Contact Type: | Not reported |
| Contact Name: | FELIX HERNANDEZ |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (347) 932-2643 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 9/6/2013 |

| | |
|---|---|
| Site Id: | 15258 |
| Affiliation Type: | Emergency Contact |
| Company Name: | ANDREWS ZUCK REALTY CORP. |
| Contact Type: | Not reported |
| Contact Name: | MICHAEL TIROTTA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 701-4624 |
| EMail: | Not reported |
| Fax Number: | Not reported |

**APARTMENT HOUSE (Continued)** **U003393289**

Modified By: NRLOMBAR
Date Last Modified: 4/25/2007

Tank Info:

Tank Number: 001
Tank Id: 26643
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:
G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
Tank Location: 1
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 07/17/1924
Capacity Gallons: 2500
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: MSBAPTIS
Last Modified: 09/09/2013
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:
PBS Number: 2-327026
SWIS Code: 6001
Operator: FELIX HERNANDEZ
Facility Phone: (718) 329-0978
Facility Addr2: 2333 ANDREWS AVE N
Facility Type: APARTMENT BUILDING
Emergency: MICHAEL LIROTTA
Emergency Tel: (212) 685-5968
Old PBSNO: Not reported
Date Inspected: Not reported
Inspector: Not reported
Result of Inspection: Not reported
Owner Name: ANDREWS ZUCK REALTY CORP.
Owner Address: 10 EAST 40TH STREET
Owner City,St,Zip: NEW YORK, NY 10016
Federal ID: Not reported
Owner Tel: (212) 685-5968

**APARTMENT HOUSE (Continued)** **U003393289**

| | |
|---|---|
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | MICHAEL LIROTTA |
| Mailing Name: | ANDREWS ZUCK REALTY CORP. |
| Mailing Address: | 10 EAST 40TH STREET |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | NEW YORK, NY 10016 |
| Mailing Telephone: | (212) 685-5968 |
| Owner Mark: | Second Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 08/20/1998 |
| Expiration: | 10/20/2003 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 2500 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 2500 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | Diking |
| Leak Detection: | 0 |
| Overfill Protection: | 4 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | False |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

**O102 ESE 1/8-1/4 0.179 mi. 945 ft.** | **2333 ANDREWS AVENUE**
**2333 ANDREWS AVENUE N**
**BRONX, NY 10453**

**Site 3 of 6 in cluster O**

**NY AST** **U003394682**
**NY HIST AST** **N/A**

**Relative: Higher**

**Actual: 136 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-467324 |
| Program Type: | PBS |
| UTM X: | 592167.15252999996 |
| UTM Y: | 4524072.2035400001 |
| Expiration Date: | 02/15/1994 |
| Site Type: | Unknown |

Affiliation Records:

| | |
|---|---|
| Site Id: | 20321 |
| Affiliation Type: | Facility Owner |
| Company Name: | NYC HOUSING PRESERV & DEVEL |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 2089-2091 ARTHUR AVENUE |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10457 |
| Country Code: | 001 |
| Phone: | (718) 295-2178 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | JAAVERSA |
| Date Last Modified: | 2/21/2014 |

| | |
|---|---|
| Site Id: | 20321 |
| Affiliation Type: | Mail Contact |
| Company Name: | NYC HOUSING PRESERV & DEVEL |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 2089-2091 ARTHUR AVENUE |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10457 |
| Country Code: | 001 |
| Phone: | (718) 295-2178 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | JAAVERSA |
| Date Last Modified: | 2/21/2014 |

| | |
|---|---|
| Site Id: | 20321 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2333 ANDREWS AVENUE |
| Contact Type: | Not reported |
| Contact Name: | PIJUSH LODH |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |

**2333 ANDREWS AVENUE (Continued)** **U003394682**

| | |
|---|---|
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (212) 806-8091 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 20321 |
| Affiliation Type: | Emergency Contact |
| Company Name: | NYC HOUSING PRESERV & DEVEL |
| Contact Type: | Not reported |
| Contact Name: | DAVID RUBINOVITZ |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (212) 806-8217 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 36998 |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

| | |
|---|---|
| | C00 - Pipe Location - No Piping |
| | F00 - Pipe External Protection - None |
| | I04 - Overfill - Product Level Gauge (A/G) |
| | A00 - Tank Internal Protection - None |
| | D01 - Pipe Type - Steel/Carbon Steel/Iron |
| | J02 - Dispenser - Suction Dispenser |
| | L09 - Piping Leak Detection - Exempt Suction Piping |
| | G00 - Tank Secondary Containment - None |
| | B00 - Tank External Protection - None |
| | H00 - Tank Leak Detection - None |
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | Not reported |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | TRANSLAT |

**2333 ANDREWS AVENUE (Continued)** **U003394682**

| | |
|---|---|
| Last Modified: | 03/04/2004 |
| Material Name: | #6 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-467324 |
| SWIS Code: | 6001 |
| Operator: | PIJUSH LODH |
| Facility Phone: | (212) 806-8091 |
| Facility Addr2: | 2333 ANDREWS AVENUE N |
| Facility Type: | Not reported |
| Emergency: | DAVID RUBINOVITZ |
| Emergency Tel: | (212) 806-8217 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | NYC HOUSING PRESERV & DEVEL |
| Owner Address: | 75 MAIDEN LANE |
| Owner City,St,Zip: | NEW YORK, NY 10038 |
| Federal ID: | Not reported |
| Owner Tel: | (212) 806-8091 |
| Owner Type: | Not reported |
| Owner Subtype: | Not reported |
| Mailing Contact: | Not reported |
| Mailing Name: | NYC HOUSING PRESERV & DEVEL |
| Mailing Address: | 75 MAIDEN LANE |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | NEW YORK, NY 10038 |
| Mailing Telephone: | (212) 806-8091 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 02/15/1989 |
| Expiration: | 02/15/1994 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 5000 |
| FAMT: | True |
| Facility Screen: | Minor Data Missing |
| Owner Screen: | Minor Data Missing |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 5000 |
| Product Stored: | NOS 5 OR 6 FUEL OIL |
| Tank Type: | Steel/carbon steel |

**2333 ANDREWS AVENUE (Continued)** **U003394682**

| | |
|---|---|
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | None |
| Leak Detection: | 0 |
| Overfill Protection: | 4 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | False |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**M103** **CONAGUL EQUITIES LLC** **NY AST** **A100193998**
**ESE** **2316 ANDREWS AVENUE** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.180 mi.**
**948 ft.** **Site 10 of 14 in cluster M**

**Relative:**
**Higher**

**Actual:**
**138 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-468509 |
| Program Type: | PBS |
| UTM X: | 592144.93695999996 |
| UTM Y: | 4524037.1148100002 |
| Expiration Date: | 10/24/2016 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 20427 |
| Affiliation Type: | Facility Owner |
| Company Name: | CONAGUL EQUITIES LLC |
| Contact Type: | AGENT |
| Contact Name: | JOHN P. SHEEHAN |
| Address1: | 2130 WILLIAMSBRIDGE ROAD SUITE 1G |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10461 |
| Country Code: | 001 |
| Phone: | (718) 597-5660 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 1/6/2005 |

| | |
|---|---|
| Site Id: | 20427 |
| Affiliation Type: | Mail Contact |
| Company Name: | CONAGUL EQUITIES LLC |

**CONAGUL EQUITIES LLC (Continued)** **A100193998**

| | |
|---|---|
| Contact Type: | Not reported |
| Contact Name: | JOHN P. SHEEHAN |
| Address1: | 2130 WILLIAMSBRIDGE ROAD |
| Address2: | SUITE 1G |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10461 |
| Country Code: | 001 |
| Phone: | (718) 597-5660 |
| EMail: | SKYLINE1LLC@GMAIL.COM |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 7/20/2011 |

| | |
|---|---|
| Site Id: | 20427 |
| Affiliation Type: | On-Site Operator |
| Company Name: | CONAGUL EQUITIES LLC |
| Contact Type: | Not reported |
| Contact Name: | ALBERTO HERRERA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (917) 518-6675 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 7/20/2011 |

| | |
|---|---|
| Site Id: | 20427 |
| Affiliation Type: | Emergency Contact |
| Company Name: | CONAGUL EQUITIES LLC |
| Contact Type: | Not reported |
| Contact Name: | ALBERTO HERRERA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (917) 518-6675 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 7/20/2011 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 37127 |
| Material Code: | 0002 |
| Common Name of Substance: | #4 Fuel Oil (On-Site Consumption) |

Equipment Records:

**CONAGUL EQUITIES LLC (Continued)** **A100193998**

C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
F00 - Pipe External Protection - None
I05 - Overfill - Vent Whistle
B00 - Tank External Protection - None
K00 - Spill Prevention - None
L02 - Piping Leak Detection - Interstitial - Manual Monitoring
E12 - Piping Secondary Containment - Double-Wall (Aboveground)

| | |
|---|---|
| Tank Location: | 2 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 06/01/1975 |
| Capacity Gallons: | 3000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | BVCAMPBE |
| Last Modified: | 07/20/2011 |
| Material Name: | #4 Fuel Oil (On-Site Consumption) |

---

**M104** **EDR US Hist Cleaners** **1015022369**
**SE** **2271 ANDREWS AVE** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.180 mi.**
**949 ft.** **Site 11 of 14 in cluster M**

**Relative:**
**Higher**

**Actual:**
**151 ft.**

EDR Historical Cleaners:

| | |
|---|---|
| Name: | CLASSIC LAUNDRY |
| Year: | 2009 |
| Address: | 2271 ANDREWS AVE |

---

**P105** **DIROT REALTY CORPORATION** **NY AST** **U003397080**
**SSE** **103 WEST 183RD STREET** **NY HIST AST** **N/A**
**1/8-1/4** **BRONX, NY 10453**
**0.180 mi.**
**953 ft.** **Site 1 of 5 in cluster P**

**Relative:**
**Higher**

**Actual:**
**157 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-603267 |
| Program Type: | PBS |
| UTM X: | 591990.59874000004 |
| UTM Y: | 4523824.1272299998 |
| Expiration Date: | 12/19/2017 |
| Site Type: | Other |

Affiliation Records:

| | |
|---|---|
| Site Id: | 25197 |

**DIROT REALTY CORPORATION (Continued)** **U003397080**

| | |
|---|---|
| Affiliation Type: | Facility Owner |
| Company Name: | DIROT REALTY CORPORTION |
| Contact Type: | AGENT |
| Contact Name: | JOSHUA FRANKEL |
| Address1: | 1651 CONEY ISLAND AVE. 4TH AVE |
| Address2: | Not reported |
| City: | BROOKLYN |
| State: | NY |
| Zip Code: | 11230 |
| Country Code: | 001 |
| Phone: | (718) 627-0600 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/2/2013 |

| | |
|---|---|
| Site Id: | 25197 |
| Affiliation Type: | Mail Contact |
| Company Name: | RESIDENTIAL MGMT. |
| Contact Type: | Not reported |
| Contact Name: | ESTHER WOLMAN |
| Address1: | 1651 CONEY ISLAND AVE. 4TH AVE |
| Address2: | Not reported |
| City: | BROOKLYN |
| State: | NY |
| Zip Code: | 11230 |
| Country Code: | 001 |
| Phone: | (718) 627-0600 |
| EMail: | ESTHER@RESIMGT.COM |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/2/2013 |

| | |
|---|---|
| Site Id: | 25197 |
| Affiliation Type: | On-Site Operator |
| Company Name: | DIROT REALTY CORPORATION |
| Contact Type: | Not reported |
| Contact Name: | PABLO ROJAS |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (347) 563-1898 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/2/2013 |

| | |
|---|---|
| Site Id: | 25197 |
| Affiliation Type: | Emergency Contact |
| Company Name: | DIROT REALTY CORPORTION |
| Contact Type: | Not reported |
| Contact Name: | PABLO ROJAS |
| Address1: | Not reported |
| Address2: | Not reported |

**DIROT REALTY CORPORATION (Continued)** **U003397080**

| | |
|---|---|
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (347) 563-1898 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/2/2013 |

Tank Info:

| | |
|---|---|
| Tank Number: | 1 |
| Tank Id: | 53651 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
I05 - Overfill - Vent Whistle
L09 - Piping Leak Detection - Exempt Suction Piping
J02 - Dispenser - Suction Dispenser
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
F00 - Pipe External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
G03 - Tank Secondary Containment - Vault (w/o access)

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1981 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | msbaptis |
| Last Modified: | 10/03/2007 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-603267 |
| SWIS Code: | 6001 |
| Operator: | VICTOR ZAYAS |
| Facility Phone: | (718) 933-1536 |
| Facility Addr2: | Not reported |
| Facility Type: | Not reported |
| Emergency: | JOSHUA FRANICEL |
| Emergency Tel: | (212) 480-2270 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |

**DIROT REALTY CORPORATION (Continued)** **U003397080**

| | |
|---|---|
| Owner Name: | DIROT REALTY CORPORTION |
| Owner Address: | 40 EXCHANGE PLACE # 1105 |
| Owner City,St,Zip: | NEW YORK, NY 10005 |
| Federal ID: | Not reported |
| Owner Tel: | (212) 480-2270 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | Not reported |
| Mailing Name: | RESIDENTIAL MANAGEMENT |
| Mailing Address: | 40 EXCHANGE PL. # 1105 |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | NEW YORK, NY 10005 |
| Mailing Telephone: | (212) 480-2270 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 04/02/1998 |
| Expiration: | 12/19/2002 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 5000 |
| FAMT: | True |
| Facility Screen: | Minor Data Missing |
| Owner Screen: | No Missing Data |
| Tank Screen: | No Missing Data |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 1 |
| Tank Location: | ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 5000 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | 0 |
| Tank External: | 1 |
| Pipe Location: | Aboveground |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | None |
| Pipe External: | 00 |
| Tank Containment: | Diking |
| Leak Detection: | 00 |
| Overfill Protection: | 06 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | No Missing Data |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |

**DIROT REALTY CORPORATION (Continued)** **U003397080**

Updated: True
SPDES Number: Not reported
Lat/Long: Not reported

---

**M106** **2272 ANDREWS AVE** **NY AST** **A100166514**
**SE** **2272 ANDREWS AVENUE** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.181 mi.**
**955 ft.** **Site 12 of 14 in cluster M**

**Relative:**
**Higher**

**Actual:**
**150 ft.**

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-285226
Program Type: PBS
UTM X: 592019.53345999995
UTM Y: 4523840.4017200004
Expiration Date: 05/16/2015
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 12672
Affiliation Type: Facility Owner
Company Name: NEWSTART PROPERTIES INC.
Contact Type: EXEC. ASST
Contact Name: MARIA MCCULLOUGH
Address1: 1601 BRONXDALE AVENUE
Address2: Not reported
City: BRONX
State: NY
Zip Code: 10462
Country Code: 001
Phone: (718) 518-8000
EMail: Not reported
Fax Number: Not reported
Modified By: KAKYER
Date Last Modified: 6/5/2012

Site Id: 12672
Affiliation Type: Mail Contact
Company Name: LANGSAM PROPERTY SERVICES
Contact Type: Not reported
Contact Name: MARIA MCCULLOUGH
Address1: 1601 BRONXDALE AVENUE
Address2: STE 201
City: BRONX
State: NY
Zip Code: 10462
Country Code: 001
Phone: (718) 518-8000
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 4/7/2010

Site Id: 12672
Affiliation Type: On-Site Operator

**2272 ANDREWS AVE (Continued)** **A100166514**

| | |
|---|---|
| Company Name: | 2272 ANDREWS AVE |
| Contact Type: | Not reported |
| Contact Name: | RAMON REYES |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 401-5757 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 1/17/2008 |

| | |
|---|---|
| Site Id: | 12672 |
| Affiliation Type: | Emergency Contact |
| Company Name: | NEWSTART PROPERTIES INC. |
| Contact Type: | Not reported |
| Contact Name: | RAMON REYES |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 401-5757 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 1/17/2008 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 17555 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
K99 - Spill Prevention - Other
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H99 - Tank Leak Detection - Other
I05 - Overfill - Vent Whistle
G03 - Tank Secondary Containment - Vault (w/o access)

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |

**2272 ANDREWS AVE (Continued)** **A100166514**

| | |
|---|---|
| Pipe Model: | Not reported |
| Install Date: | 06/24/1988 |
| Capacity Gallons: | 3000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 04/07/2010 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

---

**L107** **114 W 183 ST BRONX** **NY AST** **U003392774**
**SSE** **114 W 183 ST** **NY HIST AST** **N/A**
**1/8-1/4** **BRONX, NY 10453**
**0.181 mi.**
**956 ft.** **Site 10 of 12 in cluster L**

**Relative:**
**Higher**

**Actual:**
**171 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-243736 |
| Program Type: | PBS |
| UTM X: | 591936.61536000005 |
| UTM Y: | 4523836.3460299997 |
| Expiration Date: | 10/23/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 9400 |
| Affiliation Type: | Facility Owner |
| Company Name: | ZORRO REALTY CORP |
| Contact Type: | VICE PRESIDENT |
| Contact Name: | ROSE MACK |
| Address1: | 2388 VALENTINE AVE |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10458 |
| Country Code: | 001 |
| Phone: | (718) 364-1617 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | DXLIVING |
| Date Last Modified: | 7/31/2007 |

| | |
|---|---|
| Site Id: | 9400 |
| Affiliation Type: | Mail Contact |
| Company Name: | ZORRO REALTY CORP |
| Contact Type: | Not reported |
| Contact Name: | LEW BODAK |
| Address1: | 2388 VALENTINE AVE |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10458 |
| Country Code: | 001 |

**114 W 183 ST BRONX (Continued)** **U003392774**

| | |
|---|---|
| Phone: | (718) 364-1617 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 9400 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 114 W 183 ST BRONX |
| Contact Type: | Not reported |
| Contact Name: | JAUN GORIS |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 367-5633 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 9400 |
| Affiliation Type: | Emergency Contact |
| Company Name: | ZORRO REALTY CORP |
| Contact Type: | Not reported |
| Contact Name: | LEW BODAK |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 364-1617 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 25369 |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H99 - Tank Leak Detection - Other
G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser

**114 W 183 ST BRONX (Continued)** **U003392774**

L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 08/01/1949 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 10/26/2012 |
| Material Name: | #6 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-243736 |
| SWIS Code: | 6001 |
| Operator: | TONY RODRIGUEZ |
| Facility Phone: | (718) 367-5633 |
| Facility Addr2: | 114 W 183 ST |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | LEW BODAK |
| Emergency Tel: | (718) 364-1617 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | ZORRO REALTY CORP |
| Owner Address: | 2388 VALENTINE AVE |
| Owner City,St,Zip: | BRONX, NY 10458 |
| Federal ID: | Not reported |
| Owner Tel: | (718) 364-1617 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | LEW BODAK |
| Mailing Name: | ZORRO REALTY CORP |
| Mailing Address: | 2388 VALENTINE AVE |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10458 |
| Mailing Telephone: | (718) 364-1617 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 01/26/2001 |
| Expiration: | 10/23/2002 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 5000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |

**114 W 183 ST BRONX (Continued)** **U003392774**

| | |
|---|---|
| Owner Screen: | No Missing Data |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 5000 |
| Product Stored: | NOS 5 OR 6 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | Diking |
| Leak Detection: | 9 |
| Overfill Protection: | 4 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | False |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

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**K108** **CON EDISON** **NY MANIFEST** **S117060926**
**East** **OPP 134 W FORDHAM RD** **N/A**
**1/8-1/4** **BRONX, NY 10461**
**0.182 mi.**
**960 ft.** **Site 2 of 5 in cluster K**

**Relative:**
**Higher**

**Actual:**
**118 ft.**

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYP004531851 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | CON EDISON |
| Contact: | CON EDISON |
| Address: | 4 IRVING PL |
| Address 2: | 15TH FL |
| City/State/Zip: | NEW YORK, NY 10003 |
| Country: | USA |
| Phone: | Not reported |

Manifest:

| | |
|---|---|
| Document ID: | Not reported |

**CON EDISON (Continued)** **S117060926**

| | |
|---|---|
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD003812047 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 05/14/2014 |
| Trans1 Recv Date: | 05/14/2014 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 05/16/2014 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004531851 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | Not reported |
| Quantity: | 500 |
| Units: | P - Pounds |
| Number of Containers: | 1 |
| Container Type: | TT - Cargo tank, tank trucks |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 1 |
| Year: | 2014 |
| Manifest Tracking Num: | 002218978GBF |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H110 |

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**M109** **MARIO & LUCIA MILEVOI** **NY AST** **U003392944**
**SE** **2280 ANDREWS AVE N** **NY HIST AST** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.182 mi.**
**961 ft.** **Site 13 of 14 in cluster M**

**Relative:**
**Higher**

**Actual:**
**146 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-329096 |
| Program Type: | PBS |
| UTM X: | 592072.75638000004 |
| UTM Y: | 4523923.1080700001 |
| Expiration Date: | 10/23/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 15442 |
| Affiliation Type: | Facility Owner |
| Company Name: | MARIO & LUCIA MILEVOI C/O M 2280 ANDREWS AVE LLC |
| Contact Type: | OWNER |
| Contact Name: | LUCIA MILEVOI |
| Address1: | P.O. BOX 5027 |

**MARIO & LUCIA MILEVOI (Continued)** **U003392944**

| | |
|---|---|
| Address2: | Not reported |
| City: | LONG ISLAND CITY |
| State: | NY |
| Zip Code: | 11105 |
| Country Code: | 001 |
| Phone: | (718) 726-1461 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 10/25/2012 |

| | |
|---|---|
| Site Id: | 15442 |
| Affiliation Type: | Mail Contact |
| Company Name: | MILEVOI C/O M 2280 ANDREWS AVENUE LLC |
| Contact Type: | Not reported |
| Contact Name: | MARION & LUCIA MILEVOI |
| Address1: | 20-74 STEINWAY STREET |
| Address2: | Not reported |
| City: | LONG ISLAND CITY ASTORIA |
| State: | NY |
| Zip Code: | 11105 |
| Country Code: | 001 |
| Phone: | (718) 726-1461 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 10/25/2012 |

| | |
|---|---|
| Site Id: | 15442 |
| Affiliation Type: | On-Site Operator |
| Company Name: | MARIO & LUCIA MILEVOI |
| Contact Type: | Not reported |
| Contact Name: | JOHN MILEVOI |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 721-5289 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 8/20/2013 |

| | |
|---|---|
| Site Id: | 15442 |
| Affiliation Type: | Emergency Contact |
| Company Name: | MARIO & LUCIA MILEVOI C/O M 2280 ANDREWS AVE LLC |
| Contact Type: | Not reported |
| Contact Name: | LUCIA MILEVOI |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 278-9476 |

**MARIO & LUCIA MILEVOI (Continued)** **U003392944**

| | |
|---|---|
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 10/25/2012 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 25694 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
K00 - Spill Prevention - None
G03 - Tank Secondary Containment - Vault (w/o access)
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1929 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | KAKYER |
| Last Modified: | 10/25/2012 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-329096 |
| SWIS Code: | 6001 |
| Operator: | MARIO MILEVOI |
| Facility Phone: | (718) 721-5289 |
| Facility Addr2: | 2280 ANDREWS AVE N |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | MARIO MILEVOI |
| Emergency Tel: | (718) 278-9476 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | MARIO & LUCIA MILEVOI |
| Owner Address: | P.O. BOX 5027 |
| Owner City,St,Zip: | LONG ISLAND CITY, NY 11105 |

**MARIO & LUCIA MILEVOI (Continued)** **U003392944**

| | |
|---|---|
| Federal ID: | Not reported |
| Owner Tel: | (718) 726-1461 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | MARIO MILEVOI |
| Mailing Name: | MARIO & LUCIA MILEVOI |
| Mailing Address: | 20-74 STEINWAY STREET |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | LONG ISLAND CITY ASTORIA, NY 11105 |
| Mailing Telephone: | (718) 726-1461 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 09/19/1997 |
| Expiration: | 10/23/2002 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 5000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 5000 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | Diking |
| Leak Detection: | 0 |
| Overfill Protection: | 4 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | False |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

**O110 ESE 1/8-1/4 0.183 mi. 968 ft.** | **2337 ANDREWS AVENUE**
**2337 ANDREWS AVENUE**
**BRONX, NY 10468**

**Site 4 of 6 in cluster O**

**NY AST** **U003393264**
**NY HIST AST** **N/A**

**Relative: Higher**

**Actual: 135 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-326313 |
| Program Type: | PBS |
| UTM X: | 592174.69139000005 |
| UTM Y: | 4524084.1109100003 |
| Expiration Date: | 11/12/2017 |
| Site Type: | Other |

Affiliation Records:

| | |
|---|---|
| Site Id: | 15199 |
| Affiliation Type: | Facility Owner |
| Company Name: | VALENTINE KOVALENKO |
| Contact Type: | AGENT |
| Contact Name: | VALENTIN KOVALENKO |
| Address1: | 19 MOORLAND BLVD |
| Address2: | Not reported |
| City: | MONROE TWP |
| State: | NJ |
| Zip Code: | 08831 |
| Country Code: | 001 |
| Phone: | (718) 367-1249 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 12/7/2012 |

| | |
|---|---|
| Site Id: | 15199 |
| Affiliation Type: | Mail Contact |
| Company Name: | VALENTINE KOVALENKO |
| Contact Type: | Not reported |
| Contact Name: | VALENTINE KOVALENKO |
| Address1: | 19 MOORLAND BLVD |
| Address2: | Not reported |
| City: | MONROE TWP |
| State: | NJ |
| Zip Code: | 08831 |
| Country Code: | 001 |
| Phone: | (718) 367-1249 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | msbaptis |
| Date Last Modified: | 9/17/2007 |

| | |
|---|---|
| Site Id: | 15199 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2337 ANDREWS AVENUE |
| Contact Type: | Not reported |
| Contact Name: | VALENTIN KOVALENTO |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |

**2337 ANDREWS AVENUE (Continued)** **U003393264**

| | |
|---|---|
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 367-1249 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 15199 |
| Affiliation Type: | Emergency Contact |
| Company Name: | VALENTINE KOVALENKO |
| Contact Type: | Not reported |
| Contact Name: | VALENTIN KOVALENTO |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (646) 418-6562 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | msbaptis |
| Date Last Modified: | 9/17/2007 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 26511 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 08/04/1961 |
| Capacity Gallons: | 1500 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |

**2337 ANDREWS AVENUE (Continued)** **U003393264**

| | |
|---|---|
| Register: | True |
| Modified By: | KAKYER |
| Last Modified: | 12/07/2012 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-326313 |
| SWIS Code: | 6001 |
| Operator: | VALENTIN KOVALENTO |
| Facility Phone: | (718) 367-1249 |
| Facility Addr2: | 2337 ANDREWS AVENUE |
| Facility Type: | OTHER |
| Emergency: | VALENTIN KOVALENTO |
| Emergency Tel: | (718) 364-7306 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | VALENTIN KOVALENTO |
| Owner Address: | 2337 ANDREWS AVENUE |
| Owner City,St,Zip: | BRONX, NY 10468 |
| Federal ID: | Not reported |
| Owner Tel: | (718) 367-1249 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | VALENTIN KOVALENTO |
| Mailing Name: | Not reported |
| Mailing Address: | 2337 ANDREWS AVENUE APT. 3A |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10468 |
| Mailing Telephone: | (718) 367-1249 |
| Owner Mark: | Second Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 11/18/1997 |
| Expiration: | 11/12/2002 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 1500 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | Minor Data Missing |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 1500 |

**2337 ANDREWS AVENUE (Continued)** **U003393264**

| | |
|---|---|
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | None |
| Leak Detection: | 0 |
| Overfill Protection: | 4 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | False |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**P111** **DIROT REALTY CORPORATION** **NY AST** **U003397042**
**SSE** **102 WEST 183RD** **NY HIST AST** **N/A**
**1/8-1/4** **BRONX, NY 10453**
**0.185 mi.**
**975 ft.** **Site 2 of 5 in cluster P**

**Relative:**
**Higher**

**Actual:**
**157 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-603209 |
| Program Type: | PBS |
| UTM X: | 591995.50632000004 |
| UTM Y: | 4523823.0164299998 |
| Expiration Date: | 11/14/2017 |
| Site Type: | Other |

Affiliation Records:

| | |
|---|---|
| Site Id: | 25143 |
| Affiliation Type: | Facility Owner |
| Company Name: | DIROT REALTY CORPORATION |
| Contact Type: | VP |
| Contact Name: | ANDREWW 102LLC |
| Address1: | 1651 CONEY ISLAND AVE. 4TH FLOOR |
| Address2: | Not reported |
| City: | BROOKLYN |
| State: | NY |
| Zip Code: | 11230 |
| Country Code: | 001 |
| Phone: | (718) 627-0600 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/2/2013 |

| | |
|---|---|
| Site Id: | 25143 |

**DIROT REALTY CORPORATION (Continued)** **U003397042**

| | |
|---|---|
| Affiliation Type: | Mail Contact |
| Company Name: | RESIDENTIAL MGMT. |
| Contact Type: | Not reported |
| Contact Name: | ESHTER WOLMAN |
| Address1: | 1651 CONEY ISLAND AVE. 4TH FLOOR |
| Address2: | Not reported |
| City: | BROOKLYN |
| State: | NY |
| Zip Code: | 11230 |
| Country Code: | 001 |
| Phone: | (718) 627-0600 |
| EMail: | ESTHER@RESIMGT.COM |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/2/2013 |

| | |
|---|---|
| Site Id: | 25143 |
| Affiliation Type: | On-Site Operator |
| Company Name: | DIROT REALTY CORPORATION |
| Contact Type: | Not reported |
| Contact Name: | PABLO ROJAS |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (347) 563-1898 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/2/2013 |

| | |
|---|---|
| Site Id: | 25143 |
| Affiliation Type: | Emergency Contact |
| Company Name: | DIROT REALTY CORPORATION |
| Contact Type: | Not reported |
| Contact Name: | PABLO ROJAS |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (347) 563-1898 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/2/2013 |

Tank Info:

| | |
|---|---|
| Tank Number: | 01 |
| Tank Id: | 53487 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

**DIROT REALTY CORPORATION (Continued)** **U003397042**

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 4 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1981 |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | msbaptis |
| Last Modified: | 10/02/2007 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-603209 |
| SWIS Code: | 6001 |
| Operator: | VICTOR ZAYAS |
| Facility Phone: | (718) 933-1536 |
| Facility Addr2: | Not reported |
| Facility Type: | OTHER |
| Emergency: | JOSHUA FRANICEL |
| Emergency Tel: | (212) 480-2270 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | DIROT REALTY CORPORATION |
| Owner Address: | 40 EXCHANGE PLACE # 1105 |
| Owner City,St,Zip: | NEW YORK, NY 10005 |
| Federal ID: | Not reported |
| Owner Tel: | (718) 480-2270 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | Not reported |
| Mailing Name: | RESIDENTIAL MANAGEMENT |
| Mailing Address: | 40 EXCHANGE PLACE #1105 |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | NEW YORK, NY 10005 |
| Mailing Telephone: | (212) 480-2270 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |

**DIROT REALTY CORPORATION (Continued)** **U003397042**

| | |
|---|---|
| Certification Flag: | False |
| Certification Date: | 11/18/1997 |
| Expiration: | 11/14/2002 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 4000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | No Missing Data |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |
| | |
| Tank ID: | 01 |
| Tank Location: | ABOVEGROUND 10% OR MORE BELOW GROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 4000 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | 0 |
| Tank External: | 1 |
| Pipe Location: | Aboveground |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | None |
| Pipe External: | 00 |
| Tank Containment: | None |
| Leak Detection: | 00 |
| Overfill Protection: | 6 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | No Missing Data |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**P112** **DIROT REALTY CORPORATION** **NY AST** **U003397041**
**SE** **2261 ANDREWS** **NY HIST AST** **N/A**
**1/8-1/4** **BRONX, NY 10453**
**0.185 mi.**
**976 ft.** **Site 3 of 5 in cluster P**

**Relative:**
**Higher**

**Actual:**
**155 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-603206 |
| Program Type: | PBS |
| UTM X: | 591994.36418000003 |
| UTM Y: | 4523824.1000600001 |

**DIROT REALTY CORPORATION (Continued)** **U003397041**

| | |
|---|---|
| Expiration Date: | 11/14/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 25142 |
| Affiliation Type: | Facility Owner |
| Company Name: | DIROT REALTY CORPORATION |
| Contact Type: | VP |
| Contact Name: | ANDREW 2261 LLC |
| Address1: | 1651 CONEY ISLAND AVE. 4TH FLOOR |
| Address2: | Not reported |
| City: | BROOKLYN |
| State: | NY |
| Zip Code: | 11230 |
| Country Code: | 001 |
| Phone: | (718) 627-0600 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/2/2013 |

| | |
|---|---|
| Site Id: | 25142 |
| Affiliation Type: | Mail Contact |
| Company Name: | RESIDENTIAL MANAGEMENT |
| Contact Type: | Not reported |
| Contact Name: | ESTHER WOLMAN |
| Address1: | 1651 CONEY ISLAND AVE. |
| Address2: | Not reported |
| City: | BROOKLYN |
| State: | NY |
| Zip Code: | 11230 |
| Country Code: | 001 |
| Phone: | (718) 627-0600 |
| EMail: | ESTHER@RESIMGT.COM |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/2/2013 |

| | |
|---|---|
| Site Id: | 25142 |
| Affiliation Type: | On-Site Operator |
| Company Name: | DIROT REALTY CORPORATION |
| Contact Type: | Not reported |
| Contact Name: | PABLO ROJAS |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (347) 563-1898 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/2/2013 |

| | |
|---|---|
| Site Id: | 25142 |
| Affiliation Type: | Emergency Contact |
| Company Name: | DIROT REALTY CORPORATION |

**DIROT REALTY CORPORATION (Continued)** **U003397041**

| | |
|---|---|
| Contact Type: | Not reported |
| Contact Name: | PABLO ROJAS |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (347) 563-1898 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/2/2013 |

Tank Info:

| | |
|---|---|
| Tank Number: | 01 |
| Tank Id: | 53486 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

| | |
|---|---|
| | A00 - Tank Internal Protection - None |
| | D01 - Pipe Type - Steel/Carbon Steel/Iron |
| | J02 - Dispenser - Suction Dispenser |
| | L09 - Piping Leak Detection - Exempt Suction Piping |
| | F00 - Pipe External Protection - None |
| | G00 - Tank Secondary Containment - None |
| | H99 - Tank Leak Detection - Other |
| | I05 - Overfill - Vent Whistle |
| | B05 - Tank External Protection - Jacketed |
| | C01 - Pipe Location - Aboveground |
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1981 |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | msbaptis |
| Last Modified: | 10/02/2007 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-603206 |
| SWIS Code: | 6001 |
| Operator: | VICTOR ZAYAS |
| Facility Phone: | (718) 933-1536 |
| Facility Addr2: | Not reported |
| Facility Type: | Not reported |
| Emergency: | JOSHUA FRANKEL |
| Emergency Tel: | (212) 480-2270 |

**DIROT REALTY CORPORATION (Continued)** **U003397041**

| | |
|---|---|
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | DIROT REALTY CORPORATION |
| Owner Address: | 40 EXCHANGE PLACE #1105 |
| Owner City,St,Zip: | NEW YORK, NY 10005 |
| Federal ID: | Not reported |
| Owner Tel: | (212) 480-2270 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | Not reported |
| Mailing Name: | RESIDENTIAL MANAGEMENT |
| Mailing Address: | 40 EXCHANGE PLACE #1105 |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | NEW YORK, NY 10005 |
| Mailing Telephone: | (212) 480-2270 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 11/18/1997 |
| Expiration: | 11/14/2002 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 4000 |
| FAMT: | True |
| Facility Screen: | Minor Data Missing |
| Owner Screen: | No Missing Data |
| Tank Screen: | No Missing Data |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |
| | |
| Tank ID: | 01 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 4000 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | 0 |
| Tank External: | 05 |
| Pipe Location: | Aboveground |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | None |
| Pipe External: | 00 |
| Tank Containment: | None |
| Leak Detection: | 9 |
| Overfill Protection: | 6 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |

**DIROT REALTY CORPORATION (Continued)** **U003397041**

Missing Data for Tank: No Missing Data
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: True
SPDES Number: Not reported
Lat/Long: Not reported

---

**O113** **ST NICHOLAS OF TOLENTINE SCHOOL** **RCRA NonGen / NLR** **1001203146**
**ESE** **2336 ANDREWS AVE** **FINDS** **NYR000045096**
**1/8-1/4** **BRONX, NY 10468** **NY MANIFEST**
**0.185 mi.**
**977 ft.** **Site 5 of 6 in cluster O**

**Relative:**
**Higher**

**Actual:**
**136 ft.**

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: ST NICHOLAS OF TOLENTINE SCHOOL
Facility address: 2336 ANDREWS AVE
BRONX, NY 10468
EPA ID: NYR000045096
Mailing address: ANDREWS AVE
BRONX, NY 10468
Contact: ESTELLE MOFFA
Contact address: ANDREWS AVE
BRONX, NY 10468
Contact country: US
Contact telephone: (718) 364-5110
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: ARCH DIOCICES OF NEW YORK
Owner/operator address: NOT REQUIRED
NOT REQUIRED, NY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ARCH DIOCICES OF NEW YORK
Owner/operator address: NOT REQUIRED
NOT REQUIRED, NY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No

**ST NICHOLAS OF TOLENTINE SCHOOL (Continued)** **1001203146**

| | |
|---|---|
| Transporter of hazardous waste: | No |
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |
| Used oil fuel burner: | No |
| Used oil processor: | No |
| User oil refiner: | No |
| Used oil fuel marketer to burner: | No |
| Used oil Specification marketer: | No |
| Used oil transfer facility: | No |
| Used oil transporter: | No |

Historical Generators:

| | |
|---|---|
| Date form received by agency: | 01/01/2006 |
| Site name: | ST NICHOLAS OF TOLENTINE SCHOOL |
| Classification: | Not a generator, verified |
| Date form received by agency: | 09/18/1997 |
| Site name: | ST NICHOLAS OF TOLENTINE SCHOOL |
| Classification: | Small Quantity Generator |
| Violation Status: | No violations found |

FINDS:

Registry ID: 110004537485

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYR000045096 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | ST NICHOLAS OF TOLENTINE SCHOOL |
| Contact: | ESTELLE MOFFA |
| Address: | 2336 ANDREWS AVE |
| City/State/Zip: | BRONX, NY 10468 |
| Country: | USA |
| Phone: | 718-364-5110 |

Manifest:

| | |
|---|---|
| Document ID: | NJA2760262 |
| Manifest Status: | Completed after the designated time period for a TSDF to get a copy to the DEC |
| Trans1 State ID: | 5811 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 08/29/1997 |
| Trans1 Recv Date: | 08/29/1997 |

**ST NICHOLAS OF TOLENTINE SCHOOL (Continued)** **1001203146**

| | |
|---|---|
| Trans2 Recv Date: | / / |
| TSD Site Recv Date: | 09/09/1997 |
| Part A Recv Date: | / / |
| Part B Recv Date: | 10/23/1997 |
| Generator EPA ID: | NYR000045096 |
| Trans1 EPA ID: | NJ0000027193 |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD002200046 |
| Waste Code: | D008 - LEAD 5.0 MG/L TCLP |
| Quantity: | 00200 |
| Units: | P - Pounds |
| Number of Containers: | 002 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 100 |
| Waste Code: | D001 - NON-LISTED IGNITABLE WASTES |
| Quantity: | 00020 |
| Units: | P - Pounds |
| Number of Containers: | 002 |
| Container Type: | DF - Fiberboard or plastic drums (glass) |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 100 |
| Year: | 1997 |

---

**O114** **BX 2341 LLC** **NY AST** **A100304625**
**ESE** **2341 ANDREWS AVENUE** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.186 mi.**
**982 ft.** **Site 6 of 6 in cluster O**

**Relative:**
**Higher**

**Actual:**
**136 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-610547 |
| Program Type: | PBS |
| UTM X: | 592103.82591000001 |
| UTM Y: | 4523989.11919 |
| Expiration Date: | 10/31/2016 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 380494 |
| Affiliation Type: | Facility Owner |
| Company Name: | BX 2341 LLC. |
| Contact Type: | MANAGER |
| Contact Name: | K. NAJAS |
| Address1: | 5 DOGWOOD RD. |
| Address2: | Not reported |
| City: | KINGS POINT |
| State: | NY |
| Zip Code: | 11024 |
| Country Code: | 001 |
| Phone: | (646) 702-0100 |
| EMail: | ORENCOGROUP@AOL.COM |
| Fax Number: | Not reported |
| Modified By: | KXTANG |
| Date Last Modified: | 5/10/2007 |

**BX 2341 LLC (Continued)** **A100304625**

| | |
|---|---|
| Site Id: | 380494 |
| Affiliation Type: | Mail Contact |
| Company Name: | BX 2341 LLC. |
| Contact Type: | Not reported |
| Contact Name: | K. NAJAS |
| Address1: | 5 DOGWOOD ROAD |
| Address2: | Not reported |
| City: | KINGS POINT |
| State: | NY |
| Zip Code: | 11024 |
| Country Code: | 001 |
| Phone: | (646) 702-0100 |
| EMail: | ORENCOGROUP@AOL.COM |
| Fax Number: | Not reported |
| Modified By: | KXTANG |
| Date Last Modified: | 5/10/2007 |

| | |
|---|---|
| Site Id: | 380494 |
| Affiliation Type: | On-Site Operator |
| Company Name: | BX 2341 LLC |
| Contact Type: | Not reported |
| Contact Name: | RAFAEL VILLAR |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (646) 702-0100 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KXTANG |
| Date Last Modified: | 5/10/2007 |

| | |
|---|---|
| Site Id: | 380494 |
| Affiliation Type: | Emergency Contact |
| Company Name: | BX 2341 LLC. |
| Contact Type: | Not reported |
| Contact Name: | KENNY NASAB |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (646) 702-0100 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KXTANG |
| Date Last Modified: | 5/10/2007 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 216946 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

**BX 2341 LLC (Continued)** **A100304625**

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 02/01/1962 |
| Capacity Gallons: | 2000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | KXTANG |
| Last Modified: | 05/10/2007 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

---

**M115** **2266 ANDREWS AVENUE** **NY AST** **A100300923**
**SE** **2266 ANDREWS AVENUE** **N/A**
**1/8-1/4** **BRONX, NY 10018**
**0.186 mi.**
**983 ft.** **Site 14 of 14 in cluster M**

**Relative:**
**Higher**

**Actual:**
**148 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-610467 |
| Program Type: | PBS |
| UTM X: | 592012.51768000005 |
| UTM Y: | 4523828.4343900001 |
| Expiration Date: | 12/09/2014 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 376878 |
| Affiliation Type: | Facility Owner |
| Company Name: | KARADENIZ REALTY LLC |
| Contact Type: | COMPLIANCE |
| Contact Name: | ASLA CAPIN |
| Address1: | PO BOX 1969 - JAF STATION |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10016 |
| Country Code: | 001 |
| Phone: | (212) 633-9985 215 |
| EMail: | Not reported |
| Fax Number: | Not reported |

**2266 ANDREWS AVENUE (Continued)** **A100300923**

| | |
|---|---|
| Modified By: | DXLIVING |
| Date Last Modified: | 2/2/2007 |

| | |
|---|---|
| Site Id: | 376878 |
| Affiliation Type: | Mail Contact |
| Company Name: | KARADENIZ REALTY LLC |
| Contact Type: | Not reported |
| Contact Name: | SOLAR REALTY MANAGEMENT CORP. |
| Address1: | 57 WEST 38TH STREET 2ND FL |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10018 |
| Country Code: | 001 |
| Phone: | (212) 633-9985 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | DXLIVING |
| Date Last Modified: | 2/2/2007 |

| | |
|---|---|
| Site Id: | 376878 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2266 ANDREWS AVENUE |
| Contact Type: | Not reported |
| Contact Name: | ANDREWS |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (212) 633-9985 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | DXLIVING |
| Date Last Modified: | 2/2/2007 |

| | |
|---|---|
| Site Id: | 376878 |
| Affiliation Type: | Emergency Contact |
| Company Name: | KARADENIZ REALTY LLC |
| Contact Type: | Not reported |
| Contact Name: | ASLA CAPIN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (212) 633-9985 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | DXLIVING |
| Date Last Modified: | 2/2/2007 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |

**2266 ANDREWS AVENUE (Continued)** **A100300923**

| | |
|---|---|
| Tank Id: | 215700 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
K00 - Spill Prevention - None
I05 - Overfill - Vent Whistle
L00 - Piping Leak Detection - None

| | |
|---|---|
| Tank Location: | 2 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 03/30/1987 |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | DXLIVING |
| Last Modified: | 02/02/2007 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

---

**K116** **CON EDISON** **NY MANIFEST** **S116296628**
**East** **137 W FORDAM RD** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.189 mi.**
**997 ft.** **Site 3 of 5 in cluster K**

**Relative:**
**Higher**

**Actual:**
**118 ft.**

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYP004479325 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | CON EDISON |
| Contact: | TOM TEELING |
| Address: | 4 IRVING PLACE - 15TH FLOOR |
| City/State/Zip: | NEW YORK, NY 10003 |
| Country: | USA |
| Phone: | 212-460-3770 |

Manifest:

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD003812047 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 03/26/2014 |

**CON EDISON (Continued)** **S116296628**

| | |
|---|---|
| Trans1 Recv Date: | 03/26/2014 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 03/28/2014 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004479325 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | Not reported |
| Quantity: | 7000 |
| Units: | P - Pounds |
| Number of Containers: | 1 |
| Container Type: | TT - Cargo tank, tank trucks |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 1 |
| Year: | 2014 |
| Manifest Tracking Num: | 002359732GBF |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H110 |

---

**K117** **FORDHAM CLEANERS INC.** **NY DRYCLEANERS** **S110246610**
**East** **130 W FORDHAM ROAD** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.192 mi.**
**1012 ft.** **Site 4 of 5 in cluster K**

**Relative:**
**Higher**

**Actual:**
**118 ft.**

DRYCLEANERS:

| | |
|---|---|
| Facility ID: | 2-6004-00128 |
| Phone Number: | 718-733-0010 |
| Region: | Not reported |
| Registration Effective Date: | 7/15/2003 13:56:19:56 |
| Inspection Date: | 08AUG13 |
| Install Date: | 89/03 |
| Drop Shop: | Not reported |
| Shutdown: | Not reported |
| Alternate Solvent: | Not reported |
| Current Business: | Not reported |

**K118**
**East**
**1/8-1/4**
**0.192 mi.**
**1012 ft.**

**130 W FORDHAM RD**
**BRONX, NY 10468**

**Site 5 of 5 in cluster K**

**EDR US Hist Cleaners** **1014986896**
**N/A**

**Relative:**
**Higher**

**Actual:**
**118 ft.**

EDR Historical Cleaners:

| | |
|---|---|
| Name: | FORDHAM CLEANERS INC |
| Year: | 2007 |
| Address: | 130 W FORDHAM RD |
| Name: | FORDHAM CLEANERS INC |
| Year: | 2008 |
| Address: | 130 W FORDHAM RD |
| Name: | FORDHAM CLEANERS INC |
| Year: | 2009 |
| Address: | 130 W FORDHAM RD |
| Name: | FORDHAM CLEANERS |
| Year: | 2010 |
| Address: | 130 W FORDHAM RD |

---

**P119**
**SE**
**1/8-1/4**
**0.192 mi.**
**1016 ft.**

**ALPHA DYNAMICS LTD**
**98 WEST 183RD STREET**
**BRONX, NY 10453**

**Site 4 of 5 in cluster P**

**NY AST** **U003383792**
**N/A**

**Relative:**
**Higher**

**Actual:**
**156 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-063037 |
| Program Type: | PBS |
| UTM X: | 592009.13488999999 |
| UTM Y: | 4523819.1769599998 |
| Expiration Date: | 01/27/2018 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 1224 |
| Affiliation Type: | Facility Owner |
| Company Name: | ALPHA DYNAMICS LTD |
| Contact Type: | PRES |
| Contact Name: | OMRAN FEILI |
| Address1: | P.O. BOX 231041 |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10023 |
| Country Code: | 001 |
| Phone: | (917) 441-0222 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | msbaptis |
| Date Last Modified: | 12/27/2007 |
| Site Id: | 1224 |
| Affiliation Type: | Mail Contact |

**ALPHA DYNAMICS LTD (Continued)** **U003383792**

| | |
|---|---|
| Company Name: | ALPHA DYNAMICS LTD |
| Contact Type: | PRES |
| Contact Name: | OMRAN FEILI |
| Address1: | P.O. BOX 231041 |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10023 |
| Country Code: | 001 |
| Phone: | (917) 441-0222 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | msbaptis |
| Date Last Modified: | 12/27/2007 |

| | |
|---|---|
| Site Id: | 1224 |
| Affiliation Type: | On-Site Operator |
| Company Name: | ALPHA DYNAMICS LTD |
| Contact Type: | Not reported |
| Contact Name: | IVAN KNOX |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 772-8845 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 1/14/2013 |

| | |
|---|---|
| Site Id: | 1224 |
| Affiliation Type: | Emergency Contact |
| Company Name: | ALPHA DYNAMICS LTD |
| Contact Type: | Not reported |
| Contact Name: | OMRAN FEILI |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 684-5821 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 1/14/2013 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 2271 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

**ALPHA DYNAMICS LTD (Continued)** **U003383792**

Equipment Records:

G00 - Tank Secondary Containment - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
I00 - Overfill - None
C03 - Pipe Location - Aboveground/Underground Combination
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 09/01/1982 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

---

**Q120**
**East**
**1/8-1/4**
**0.196 mi.**
**1037 ft.**

**CON EDISON** **NY MANIFEST** **S116296603**
**128 W FORDAM RD** **N/A**
**BRONX, NY 10468**

**Site 1 of 4 in cluster Q**

**Relative:**
**Higher**

**Actual:**
**118 ft.**

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYP004479018 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | CON EDISON |
| Contact: | TOM TEELING |
| Address: | 4 IRVING PLACE - 15TH FLOOR |
| City/State/Zip: | NEW YORK, NY 10003 |
| Country: | USA |
| Phone: | 212-460-3770 |

Manifest:

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD003812047 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 03/26/2014 |
| Trans1 Recv Date: | 03/26/2014 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 03/28/2014 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004479018 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |

**CON EDISON (Continued)** **S116296603**

| | |
|---|---|
| TSDF ID: | NJD991291105 |
| Waste Code: | Not reported |
| Quantity: | 500 |
| Units: | P - Pounds |
| Number of Containers: | 1 |
| Container Type: | TT - Cargo tank, tank trucks |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 1 |
| Year: | 2014 |
| Manifest Tracking Num: | 002359729GBF |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H110 |

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**Q121** **EDR US Hist Cleaners** **1014986019**
**East** **128 W FORDHAM RD** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.196 mi.**
**1037 ft.** **Site 2 of 4 in cluster Q**

**Relative:**
**Higher**

**Actual:**
**118 ft.**

EDR Historical Cleaners:

| | |
|---|---|
| Name: | FORDHAM CLEANERS |
| Year: | 2001 |
| Address: | 128 W FORDHAM RD |
| Name: | FORDHAM CLEANERS |
| Year: | 2002 |
| Address: | 128 W FORDHAM RD |
| Name: | FORDHAM CLEANERS |
| Year: | 2007 |
| Address: | 128 W FORDHAM RD |
| Name: | FORDHAM CLEANERS |
| Year: | 2008 |
| Address: | 128 W FORDHAM RD |
| Name: | FORDHAM CLEANERS |
| Year: | 2011 |
| Address: | 128 W FORDHAM RD |
| Name: | FORDHAM CLEANERS |
| Year: | 2012 |
| Address: | 128 W FORDHAM RD |

| | | | |
|---|---|---|---|
| **Q122**<br>**East**<br>**1/8-1/4**<br>**0.196 mi.**<br>**1037 ft.** | **FORDHAM CLEANERS**<br>**130 W FORDHAM RD**<br>**BRONX, NY 10468**<br><br>**Site 3 of 4 in cluster Q** | **RCRA-CESQG**<br>**FINDS**<br>**NY MANIFEST**<br>**US AIRS** | **1004756622**<br>**NYD981080765** |

**Relative:**
**Higher**

**Actual:**
**118 ft.**

RCRA-CESQG:

| | |
|---|---|
| Date form received by agency: | 01/01/2007 |
| Facility name: | FORDHAM CLEANERS |
| Facility address: | 130 W FORDHAM RD<br>BRONX, NY 10468 |
| EPA ID: | NYD981080765 |
| Mailing address: | W FORDHAM RD<br>BRONX, NY 10468 |
| Contact: | TAE HAN KIM |
| Contact address: | W FORDHAM RD<br>BRONX, NY 10468 |
| Contact country: | US |
| Contact telephone: | (718) 933-0010 |
| Contact email: | Not reported |
| EPA Region: | 02 |
| Classification: | Conditionally Exempt Small Quantity Generator |
| Description: | Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste |

Owner/Operator Summary:

| | |
|---|---|
| Owner/operator name: | JAE DONG YAN |
| Owner/operator address: | 40-36 75TH ST<br>ELMHURST, NY 11373 |
| Owner/operator country: | US |
| Owner/operator telephone: | (718) 446-8200 |
| Legal status: | Private |
| Owner/Operator Type: | Operator |
| Owner/Op start date: | Not reported |
| Owner/Op end date: | Not reported |

| | |
|---|---|
| Owner/operator name: | JAE DONG YAN |
| Owner/operator address: | 40-36 75TH ST<br>ELMHURST, NY 11373 |
| Owner/operator country: | US |
| Owner/operator telephone: | (718) 446-8200 |
| Legal status: | Private |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | Not reported |
| Owner/Op end date: | Not reported |

**FORDHAM CLEANERS (Continued)** **1004756622**

Handler Activities Summary:

| | |
|---|---|
| U.S. importer of hazardous waste: | No |
| Mixed waste (haz. and radioactive): | No |
| Recycler of hazardous waste: | No |
| Transporter of hazardous waste: | No |
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |
| Used oil fuel burner: | No |
| Used oil processor: | No |
| User oil refiner: | No |
| Used oil fuel marketer to burner: | No |
| Used oil Specification marketer: | No |
| Used oil transfer facility: | No |
| Used oil transporter: | No |

Historical Generators:

Date form received by agency: 01/01/2006
Site name: FORDHAM CLEANERS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/13/1998
Site name: FORDHAM CLEANERS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 10/29/1993
Site name: FORDHAM CLEANERS
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110001614708

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department

**FORDHAM CLEANERS (Continued)** **1004756622**

of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYD981080765 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | FORDHAM CLNRS |
| Contact: | FORDHAM CLNRS |
| Address: | 128 WEST FORDHAM ROAD |
| City/State/Zip: | BRONX, NY 10468 |
| Country: | USA |
| Phone: | 212-933-0010 |

Manifest:

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD000564906 |
| Trans2 State ID: | NYF006000053 |
| Generator Ship Date: | 05/06/2009 |
| Trans1 Recv Date: | 05/06/2009 |
| Trans2 Recv Date: | 05/07/2009 |
| TSD Site Recv Date: | 05/08/2009 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD981080765 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | CDX107000000 |
| Waste Code: | Not reported |
| Quantity: | 160.0 |
| Units: | P - Pounds |
| Number of Containers: | 2.0 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 1.0 |
| Year: | 2009 |
| Manifest Tracking Num: | 004980762JJK |
| Import Ind: | N |
| Export Ind: | Y |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H020 |

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|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD000564906 |

**FORDHAM CLEANERS (Continued)** **1004756622**

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|---|---|
| Trans2 State ID: | NYF006000053 |
| Generator Ship Date: | 05/06/2009 |
| Trans1 Recv Date: | 05/06/2009 |
| Trans2 Recv Date: | 05/07/2009 |
| TSD Site Recv Date: | 05/08/2009 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD981080765 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | CDX107000000 |
| Waste Code: | Not reported |
| Quantity: | 130.0 |
| Units: | P - Pounds |
| Number of Containers: | 1.0 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 1.0 |
| Year: | 2009 |
| Manifest Tracking Num: | 004980762JJK |
| Import Ind: | N |
| Export Ind: | Y |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H020 |

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|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD000564906 |
| Trans2 State ID: | MIK814262374 |
| Generator Ship Date: | 09/17/2011 |
| Trans1 Recv Date: | 09/17/2011 |
| Trans2 Recv Date: | 09/22/2011 |
| TSD Site Recv Date: | 09/23/2011 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD981080765 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | CDX107000000 |
| Waste Code: | Not reported |
| Quantity: | 130.0 |
| Units: | P - Pounds |
| Number of Containers: | 1.0 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 1.0 |
| Year: | 2011 |
| Manifest Tracking Num: | 008374384JJK |
| Import Ind: | N |

**FORDHAM CLEANERS (Continued)** **1004756622**

| | |
|---|---|
| Export Ind: | Y |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H020 |

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD000564906 |
| Trans2 State ID: | MIK814262374 |
| Generator Ship Date: | 09/17/2011 |
| Trans1 Recv Date: | 09/17/2011 |
| Trans2 Recv Date: | 09/22/2011 |
| TSD Site Recv Date: | 09/23/2011 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD981080765 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | CDX107000000 |
| Waste Code: | Not reported |
| Quantity: | 160.0 |
| Units: | P - Pounds |
| Number of Containers: | 2.0 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 1.0 |
| Year: | 2011 |
| Manifest Tracking Num: | 008374384JJK |
| Import Ind: | N |
| Export Ind: | Y |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H020 |

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD000564905 |
| Trans2 State ID: | NYF006000053 |
| Generator Ship Date: | 06/17/2008 |
| Trans1 Recv Date: | 06/17/2008 |
| Trans2 Recv Date: | 06/19/2008 |
| TSD Site Recv Date: | 06/20/2008 |
| Part A Recv Date: | Not reported |

**FORDHAM CLEANERS (Continued)** **1004756622**

| | |
|---|---|
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD981080765 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | CDX107000000 |
| Waste Code: | Not reported |
| Quantity: | 130.0 |
| Units: | P - Pounds |
| Number of Containers: | 1.0 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 1.0 |
| Year: | 2008 |
| Manifest Tracking Num: | 003371462JJK |
| Import Ind: | N |
| Export Ind: | Y |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H020 |

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD000564905 |
| Trans2 State ID: | NYF006000053 |
| Generator Ship Date: | 06/17/2008 |
| Trans1 Recv Date: | 06/17/2008 |
| Trans2 Recv Date: | 06/19/2008 |
| TSD Site Recv Date: | 06/20/2008 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD981080765 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | CDX107000000 |
| Waste Code: | Not reported |
| Quantity: | 160.0 |
| Units: | P - Pounds |
| Number of Containers: | 2.0 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 1.0 |
| Year: | 2008 |
| Manifest Tracking Num: | 003371462JJK |
| Import Ind: | N |
| Export Ind: | Y |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |

**FORDHAM CLEANERS (Continued)** **1004756622**

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|---|---|
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H020 |

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|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD000554906 |
| Trans2 State ID: | MIK814252374 |
| Generator Ship Date: | 03/17/2012 |
| Trans1 Recv Date: | 03/17/2012 |
| Trans2 Recv Date: | 03/22/2012 |
| TSD Site Recv Date: | 03/22/2012 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD981080765 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | CDX107000000 |
| Waste Code: | Not reported |
| Quantity: | 130.0 |
| Units: | P - Pounds |
| Number of Containers: | 1.0 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 1.0 |
| Year: | 2012 |
| Manifest Tracking Num: | 009255572JJK |
| Import Ind: | N |
| Export Ind: | Y |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H020 |

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD000564906 |
| Trans2 State ID: | MIK814262374 |
| Generator Ship Date: | 11/24/2012 |
| Trans1 Recv Date: | 11/24/2012 |
| Trans2 Recv Date: | 11/30/2012 |
| TSD Site Recv Date: | 11/30/2012 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD981080765 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | CDX107000000 |
| Waste Code: | Not reported |

**FORDHAM CLEANERS (Continued)** **1004756622**

| | |
|---|---|
| Quantity: | 130.0 |
| Units: | P - Pounds |
| Number of Containers: | 1.0 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 1.0 |
| Year: | 2012 |
| Manifest Tracking Num: | 010181286JJK |
| Import Ind: | N |
| Export Ind: | Y |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H020 |

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD000564906 |
| Trans2 State ID: | MIK814262374 |
| Generator Ship Date: | 11/24/2012 |
| Trans1 Recv Date: | 11/24/2012 |
| Trans2 Recv Date: | 11/30/2012 |
| TSD Site Recv Date: | 11/30/2012 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD981080765 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | CDX107000000 |
| Waste Code: | Not reported |
| Quantity: | 160.0 |
| Units: | P - Pounds |
| Number of Containers: | 2.0 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 1.0 |
| Year: | 2012 |
| Manifest Tracking Num: | 010181286JJK |
| Import Ind: | N |
| Export Ind: | Y |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H020 |

**FORDHAM CLEANERS (Continued)** **1004756622**

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD000554906 |
| Trans2 State ID: | MIK814252374 |
| Generator Ship Date: | 03/17/2012 |
| Trans1 Recv Date: | 03/17/2012 |
| Trans2 Recv Date: | 03/22/2012 |
| TSD Site Recv Date: | 03/22/2012 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD981080765 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | CDX107000000 |
| Waste Code: | Not reported |
| Quantity: | 160.0 |
| Units: | P - Pounds |
| Number of Containers: | 2.0 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 1.0 |
| Year: | 2012 |
| Manifest Tracking Num: | 009255572JJK |
| Import Ind: | N |
| Export Ind: | Y |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H020 |

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD000564906 |
| Trans2 State ID: | MIK814262374 |
| Generator Ship Date: | 06/15/2013 |
| Trans1 Recv Date: | 06/15/2013 |
| Trans2 Recv Date: | 06/21/2013 |
| TSD Site Recv Date: | 06/21/2013 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD981080765 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | CDX107000000 |
| Waste Code: | Not reported |
| Quantity: | 160 |
| Units: | P - Pounds |
| Number of Containers: | 2 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 1 |

**FORDHAM CLEANERS (Continued)** **1004756622**

| | |
|---|---|
| Year: | 2013 |
| Manifest Tracking Num: | 010181104JJK |
| Import Ind: | N |
| Export Ind: | Y |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H020 |

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD000564906 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 02/01/2007 |
| Trans1 Recv Date: | 02/01/2007 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 02/09/2007 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD981080765 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | CDX107000000 |
| Waste Code: | Not reported |
| Quantity: | 240 |
| Units: | P - Pounds |
| Number of Containers: | 3 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 1 |
| Year: | 2007 |
| Manifest Tracking Num: | 001305528JJK |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H020 |

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD000564906 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 04/17/2007 |
| Trans1 Recv Date: | 04/17/2007 |

**FORDHAM CLEANERS (Continued)** **1004756622**

| | |
|---|---|
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 04/27/2007 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD981080765 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | CDX107000000 |
| Waste Code: | Not reported |
| Quantity: | 160 |
| Units: | P - Pounds |
| Number of Containers: | 2 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 1 |
| Year: | 2007 |
| Manifest Tracking Num: | 001305679JJK |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H020 |

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD005694906 |
| Trans2 State ID: | NJD000564906 |
| Generator Ship Date: | 11/27/2007 |
| Trans1 Recv Date: | 11/27/2007 |
| Trans2 Recv Date: | 11/30/2007 |
| TSD Site Recv Date: | 11/30/2007 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD981080765 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | CDX107000000 |
| Waste Code: | Not reported |
| Quantity: | 240 |
| Units: | P - Pounds |
| Number of Containers: | 3 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 1 |
| Year: | 2007 |
| Manifest Tracking Num: | 003366377JJK |
| Import Ind: | N |
| Export Ind: | Y |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |

**FORDHAM CLEANERS (Continued)** **1004756622**

| | |
|---|---|
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H020 |

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD000564905 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 07/18/2007 |
| Trans1 Recv Date: | 07/18/2007 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 07/25/2007 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD981080765 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | CDX107000000 |
| Waste Code: | Not reported |
| Quantity: | 240 |
| Units: | P - Pounds |
| Number of Containers: | 3 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 1 |
| Year: | 2007 |
| Manifest Tracking Num: | 001305858JJK |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H020 |

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD000564906 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 04/17/2007 |
| Trans1 Recv Date: | 04/17/2007 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 04/27/2007 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD981080765 |
| Trans1 EPA ID: | Not reported |

**FORDHAM CLEANERS (Continued)** **1004756622**

| | |
|---|---|
| Trans2 EPA ID: | Not reported |
| TSDF ID: | CDX107000000 |
| Waste Code: | Not reported |
| Quantity: | 130 |
| Units: | P - Pounds |
| Number of Containers: | 1 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 1 |
| Year: | 2007 |
| Manifest Tracking Num: | 001305679JJK |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H020 |

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD000564905 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 07/18/2007 |
| Trans1 Recv Date: | 07/18/2007 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 07/25/2007 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD981080765 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | CDX107000000 |
| Waste Code: | Not reported |
| Quantity: | 130 |
| Units: | P - Pounds |
| Number of Containers: | 1 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 1 |
| Year: | 2007 |
| Manifest Tracking Num: | 001305858JJK |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |

**FORDHAM CLEANERS (Continued)** **1004756622**

Mgmt Method Type Code: H020

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD000564906
Trans2 State ID: Not reported
Generator Ship Date: 02/01/2007
Trans1 Recv Date: 02/01/2007
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/09/2007
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD981080765
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: CDX107000000
Waste Code: Not reported
Quantity: 130
Units: P - Pounds
Number of Containers: 1
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 1
Year: 2007
Manifest Tracking Num: 001305528JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H020

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD005694906
Trans2 State ID: NJD000564906
Generator Ship Date: 11/27/2007
Trans1 Recv Date: 11/27/2007
Trans2 Recv Date: 11/30/2007
TSD Site Recv Date: 11/30/2007
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD981080765
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: CDX107000000
Waste Code: Not reported
Quantity: 130
Units: P - Pounds
Number of Containers: 1

**FORDHAM CLEANERS (Continued)** **1004756622**

| | |
|---|---|
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 1 |
| Year: | 2007 |
| Manifest Tracking Num: | 003366377JJK |
| Import Ind: | N |
| Export Ind: | Y |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H020 |

| | |
|---|---|
| Document ID: | NYG5437053 |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJ420 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 12/30/2004 |
| Trans1 Recv Date: | 12/30/2004 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 01/06/2005 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYD981080765 |
| Trans1 EPA ID: | NJD000564906 |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD000564 |
| Waste Code: | F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV |
| Quantity: | 00520 |
| Units: | P - Pounds |
| Number of Containers: | 004 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 01.00 |
| Year: | 2004 |

AIRS (AFS):

Airs Minor Details:

| | |
|---|---|
| EPA plant ID: | 110002365841 |
| Plant name: | FORDHAM CLEANERS |
| Plant address: | 130 W FORDHAM RD<br>BRONX, NY 104685659 |
| County: | BRONX |
| Region code: | 02 |
| Dunn & Bradst #: | Not reported |
| Air quality cntrl region: | 043 |
| Sic code: | 7216 |
| Sic code desc: | DRYCLEANING PLANTS, EXCEPT RUG |
| North Am. industrial classf: | 812320 |
| NAIC code description: | Drycleaning and Laundry Services (except Coin-Operated) |

**FORDHAM CLEANERS (Continued)** **1004756622**

Default compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Default classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV: Not reported

Compliance and Enforcement Major Issues:

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00750
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

**FORDHAM CLEANERS (Continued)** **1004756622**

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Historical Compliance Minor Sources:
State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1302
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1303
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1004
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1004
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1101
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1101
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1102

**FORDHAM CLEANERS (Continued)** **1004756622**

Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1102
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1103
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1103
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1201
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1201
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1204
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1204
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1301
Air prog code hist file: SIP SOURCE

**FORDHAM CLEANERS (Continued)** **1004756622**

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1301
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1302
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1303
Air prog code hist file: SIP SOURCE

Compliance & Violation Data by Minor Sources:
Air program code: SIP SOURCE
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: Not reported
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: MACT (SECTION 63 NESHAPS)
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: SIP SOURCE
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: MACT (SECTION 63 NESHAPS)
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: MACT (SECTION 63 NESHAPS)
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: UNCLASSIFIED
Repeat violator date: Not reported
Turnover compliance: Not reported

**123 SW 1/8-1/4 0.199 mi. 1052 ft.**

**CEDAR TWO COMPANY, LLC**
**2175 CEDAR AVENUE**
**BRONX, NY 10468**

**NY AST** **U003393831**
**NY HIST AST** **N/A**

**Relative: Higher**

**Actual: 69 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Unregulated/Closed |
| Facility Id: | 2-345911 |
| Program Type: | PBS |
| UTM X: | 591485.43550999998 |
| UTM Y: | 4523725.0046399999 |
| Expiration Date: | 12/14/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 16892 |
| Affiliation Type: | Facility Owner |
| Company Name: | CEDAR TWO COMPANY LLC |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 524 NORTH AVENUE |
| Address2: | Not reported |
| City: | NEW ROCHELLE |
| State: | NY |
| Zip Code: | 10801 |
| Country Code: | 001 |
| Phone: | (914) 235-3200 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 10/25/2013 |

| | |
|---|---|
| Site Id: | 16892 |
| Affiliation Type: | Mail Contact |
| Company Name: | CEDAR TWO COMPANY LLC |
| Contact Type: | Not reported |
| Contact Name: | TREVOR TRONGARD |
| Address1: | 524 NORTH AVENUE |
| Address2: | Not reported |
| City: | NEW ROCHELLE |
| State: | NY |
| Zip Code: | 10801 |
| Country Code: | 001 |
| Phone: | (914) 235-3200 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 10/25/2013 |

| | |
|---|---|
| Site Id: | 16892 |
| Affiliation Type: | On-Site Operator |
| Company Name: | CEDAR TWO COMPANY LLC |
| Contact Type: | Not reported |
| Contact Name: | JAMIE MOJICA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |

**CEDAR TWO COMPANY, LLC (Continued)** **U003393831**

| | |
|---|---|
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (646) 757-0640 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 10/25/2013 |

| | |
|---|---|
| Site Id: | 16892 |
| Affiliation Type: | Emergency Contact |
| Company Name: | CEDAR TWO COMPANY LLC |
| Contact Type: | Not reported |
| Contact Name: | TREVOR TRNGARD |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (914) 417-5209 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 10/25/2013 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 32834 |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

B00 - Tank External Protection - None
K00 - Spill Prevention - None
F04 - Pipe External Protection - Fiberglass
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
G00 - Tank Secondary Containment - None
E02 - Piping Secondary Containment - Vault (with Access)
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | Closed - In Place |
| Pipe Model: | Not reported |
| Install Date: | 04/28/1958 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | 08/14/2013 |

**CEDAR TWO COMPANY, LLC (Continued)** **U003393831**

| | |
|---|---|
| Register: | True |
| Modified By: | NRLOMBAR |
| Last Modified: | 10/25/2013 |
| Material Name: | #6 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-345911 |
| SWIS Code: | 6001 |
| Operator: | ISRAEL GUERRERO |
| Facility Phone: | (718) 299-0711 |
| Facility Addr2: | 2175 CEDAR AVE |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | SECURITY DEPARTMENT |
| Emergency Tel: | (718) 327-3212 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | CEDAR TWO COMPANY, LLC |
| Owner Address: | 524 NORTH AVENUE |
| Owner City,St,Zip: | NEW ROCHELLE, NY 10801 |
| Federal ID: | Not reported |
| Owner Tel: | (914) 235-3200 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | MARC GOLDFARB |
| Mailing Name: | CEDAR TWO COMPANY, LLC |
| Mailing Address: | 524 NORTH AVENUE |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | NEW ROCHELLE, NY 10801 |
| Mailing Telephone: | (718) 471-7800 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 12/11/1997 |
| Expiration: | 12/14/2002 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 5000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | Minor Data Missing |
| Tank Screen: | No Missing Data |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 5000 |

**CEDAR TWO COMPANY, LLC (Continued)** **U003393831**

| | |
|---|---|
| Product Stored: | NOS 5 OR 6 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | 0 |
| Tank External: | 00 |
| Pipe Location: | Aboveground |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | None |
| Pipe External: | 40 |
| Tank Containment: | None |
| Leak Detection: | 00 |
| Overfill Protection: | 04 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | No Missing Data |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**L124** **PATTERSON USARC** **RCRA NonGen / NLR** **1000446218**
**South** **2181 LORING PL N** **FINDS** **NY4210022246**
**1/8-1/4** **BRONX, NY 10453** **NY HIST UST**
**0.200 mi.**
**1054 ft.** **Site 11 of 12 in cluster L**

**Relative:**
**Higher**

**Actual:**
**179 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date form received by agency: | 01/01/2007 |
| Facility name: | PATTERSON USARC |
| Facility address: | 2181 LORING PL N<br>BRONX, NY 10453 |
| EPA ID: | NY4210022246 |
| Mailing address: | FORT HAMILTON & NYAC DEH<br>BROOKLYN, NY 11252 |
| Contact: | JOHN RHEE |
| Contact address: | FORT HAMILTON & NYAC DEH<br>BROOKLYN, NY 11252 |
| Contact country: | US |
| Contact telephone: | (718) 630-4563 |
| Contact email: | Not reported |
| EPA Region: | 02 |
| Land type: | Facility is not located on Indian land. Additional information is not known. |
| Classification: | Non-Generator |
| Description: | Handler: Non-Generators do not presently generate hazardous waste |

Owner/Operator Summary:

| | |
|---|---|
| Owner/operator name: | DEPT OF THE ARMY |
| Owner/operator address: | NOT REQUIRED<br>NOT REQUIRED, WY 99999 |
| Owner/operator country: | US |
| Owner/operator telephone: | (212) 555-1212 |
| Legal status: | Federal |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | Not reported |
| Owner/Op end date: | Not reported |

**PATTERSON USARC (Continued)** **1000446218**

Owner/operator name: DEPT OF THE ARMY
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: PATTERSON USARC
Classification: Not a generator, verified

Date form received by agency: 06/26/1990
Site name: PATTERSON USARC
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 09/28/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

FINDS:

Registry ID: 110001564664

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**PATTERSON USARC (Continued)** **1000446218**

HIST UST:

| | |
|---|---|
| PBS Number: | 2-600898 |
| SPDES Number: | Not reported |
| Emergency Contact: | TONY KLOSS |
| Emergency Telephone: | (718) 352-2072 |
| Operator: | MR. MARTIN |
| Operator Telephone: | (212) 365-8400 |
| Owner Name: | 77TH REGIONAL SUPPORT COMMAND |
| Owner Address: | ATTN.AFRC-CNV-EN-BLDG.200 |
| Owner City,St,Zip: | FORT TOTTEN, NY 11359-1016 |
| Owner Telephone: | (718) 352-5624 |
| Owner Type: | Federal Government |
| Owner Subtype: | Not reported |
| Mailing Name: | 77TH REGIONAL SUPPORT COMMAND |
| Mailing Address: | ATTN.AFRC-CNY-EN |
| Mailing Address 2: | BLDG.200 |
| Mailing City,St,Zip: | FORT TOTTEN, NY 11359-1016 |
| Mailing Contact: | PAUL BERTRAND - ENVIRON. |
| Mailing Telephone: | (718) 352-2072 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Facility Addr2: | 2181 LORING PLACE N |
| SWIS ID: | 6001 |
| Old PBS Number: | Not reported |
| Facility Type: | OTHER |
| Inspected Date: | Not reported |
| Inspector: | Not reported |
| Inspection Result: | Not reported |
| Federal ID: | Not reported |
| Certification Flag: | False |
| Certification Date: | 02/04/2000 |
| Expiration Date: | 09/25/2002 |
| Renew Flag: | False |
| Renewal Date: | Not reported |
| Total Capacity: | 10000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | Minor Data Missing |
| Tank Screen: | No Missing Data |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City: | 01 |
| Region: | 2 |
| | |
| Tank Id: | 1E |
| Tank Location: | UNDERGROUND |
| Tank Status: | In Service |
| Install Date: | 11/01/1996 |
| Capacity (gals): | 10000 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Fiberglass reinforced plastic [FRP] |
| Tank Internal: | Fiberglass Liner (FRP) |
| Tank External: | Fiberglass |

**PATTERSON USARC (Continued)** **1000446218**

| | |
|---|---|
| Pipe Location: | Aboveground/Underground Combination |
| Pipe Type: | STAINLESS STEEL ALLOY |
| Pipe Internal: | Fiberglass Liner (FRP) |
| Pipe External: | Fiberglass |
| Second Containment: | Vault (w/access) |
| Leak Detection: | Electronic |
| Overfill Prot: | Catch Basin, Product Level Gauge |
| Dispenser: | Suction |
| Date Tested: | 08/01/1999 |
| Next Test Date: | Not reported |
| Missing Data for Tank: | No Missing Data |
| Date Closed: | Not reported |
| Test Method: | Tankology [Vacutect] |
| Deleted: | False |
| Updated: | True |
| Lat/long: | Not reported |

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**L125** **ROBERT PATTERSON USARC** **NY UST** **U004159770**
**South** **2181 LORING PLACE N** **N/A**
**1/8-1/4** **N. BRONX, NY 10453**
**0.200 mi.**
**1054 ft.** **Site 12 of 12 in cluster L**

**Relative:**
**Higher**

**Actual:**
**179 ft.**

UST:

| | |
|---|---|
| Id/Status: | 2-600898 / Unregulated/Closed |
| Program Type: | PBS |
| Region: | STATE |
| DEC Region: | 2 |
| Expiration Date: | 09/25/2007 |
| UTM X: | 591826.55703999999 |
| UTM Y: | 4523656.2998599997 |
| Site Type: | Other |

Affiliation Records:

| | |
|---|---|
| Site Id: | 22869 |
| Affiliation Type: | Facility Owner |
| Company Name: | 77TH REGIONAL SUPPORT COMMAND |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | ATTN.AFRC-CNV-EN-BLDG.200 |
| Address2: | Not reported |
| City: | FORT TOTTEN |
| State: | NY |
| Zip Code: | 11359-1016 |
| Country Code: | 001 |
| Phone: | (718) 352-2091 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 22869 |
| Affiliation Type: | Mail Contact |
| Company Name: | 77TH REGIONAL SUPPORT COMMAND |
| Contact Type: | Not reported |
| Contact Name: | PAUL BERTRAND - ENVIRON. |
| Address1: | ATTN.AFRC-CNY-EN |
| Address2: | BLDG.200 |

**ROBERT PATTERSON USARC (Continued)** **U004159770**

| | |
|---|---|
| City: | FORT TOTTEN |
| State: | NY |
| Zip Code: | 11359-1016 |
| Country Code: | 001 |
| Phone: | (718) 352-2092 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 22869 |
| Affiliation Type: | On-Site Operator |
| Company Name: | ROBERT PATTERSON USARC |
| Contact Type: | Not reported |
| Contact Name: | MR. MARTIN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (212) 365-8400 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 22869 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 77TH REGIONAL SUPPORT COMMAND |
| Contact Type: | Not reported |
| Contact Name: | PAUL BERTRAND |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 352-2092 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MAPERSSO |
| Date Last Modified: | 11/23/2005 |

Tank Info:

| | |
|---|---|
| Tank Number: | 1 |
| Tank ID: | 44531 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 10000 |
| Install Date: | 07/01/1983 |
| Date Tank Closed: | 09/01/1996 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0001 |

**ROBERT PATTERSON USARC (Continued)** **U004159770**

Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

F00 - Pipe External Protection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
I00 - Overfill - None

---

**126**
**NE**
**1/8-1/4**
**0.201 mi.**
**1059 ft.**

**CON EDISON MANHOLE 31136** **RCRA NonGen / NLR** **1014926806**
**SEDGWICK AVE & BAILEY AVE** **NYP004245916**
**BRONX, NY 10452**

**Relative:**
**Higher**

**Actual:**
**122 ft.**

RCRA NonGen / NLR:

Date form received by agency: 01/27/2012
Facility name: CON EDISON MANHOLE 31136
Facility address: SEDGWICK AVE & BAILEY AVE
BRONX, NY 10452
EPA ID: NYP004245916
Mailing address: 4 IRVING PL, RM 828
NEW YORK, NY 10003
Contact: RICHARD DIGIOVANNI
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (718) 204-4489
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No

**CON EDISON MANHOLE 31136 (Continued)** **1014926806**

Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 12/28/2011
Site name: CON EDISON MANHOLE 31136
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

---

**P127** **95 W 183 ST** **NY AST** **A100175529**
**SE** **95 WEST 183RD STREET** **N/A**
**1/8-1/4** **BRONX, NY 10453**
**0.205 mi.**
**1082 ft.** **Site 5 of 5 in cluster P**

**Relative:**
**Higher**

**Actual:**
**154 ft.**

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-605248
Program Type: PBS
UTM X: 592025.29865000001
UTM Y: 4523807.3241699999
Expiration Date: 02/21/2016
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 27117
Affiliation Type: Facility Owner
Company Name: GA 95 W 183 ST CORP
Contact Type: Not reported
Contact Name: Not reported
Address1: 1858 HAIGHT AVE
Address2: Not reported
City: BRONX
State: NY
Zip Code: 10461
Country Code: 001
Phone: (718) 822-2600
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 12/21/2012

Site Id: 27117
Affiliation Type: Mail Contact
Company Name: GA 95 WEST 183 ST CORP
Contact Type: Not reported
Contact Name: BRANDON YASGUR
Address1: 1858 HAIGHT AVENUE
Address2: Not reported
City: BRONX
State: NY
Zip Code: 10461
Country Code: 001
Phone: (718) 822-2600
EMail: YREREALESTATE@GMAIL.COM
Fax Number: Not reported

**95 W 183 ST (Continued)** **A100175529**

| | |
|---|---|
| Modified By: | NRLOMBAR |
| Date Last Modified: | 12/21/2012 |

| | |
|---|---|
| Site Id: | 27117 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 95 W 183 ST |
| Contact Type: | Not reported |
| Contact Name: | DIOJENES LINAHO |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 825-7667 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 12/21/2012 |

| | |
|---|---|
| Site Id: | 27117 |
| Affiliation Type: | Emergency Contact |
| Company Name: | GA 95 W 183 ST CORP |
| Contact Type: | Not reported |
| Contact Name: | DIOJENES LINAHO |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 822-2600 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 12/21/2012 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 59625 |
| Material Code: | 0002 |
| Common Name of Substance: | #4 Fuel Oil (On-Site Consumption) |

Equipment Records:

G00 - Tank Secondary Containment - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None

**95 W 183 ST (Continued)** **A100175529**

| | |
|---|---|
| | H00 - Tank Leak Detection - None |
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 07/12/1961 |
| Capacity Gallons: | 2500 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | NRLOMBAR |
| Last Modified: | 12/21/2012 |
| Material Name: | #4 Fuel Oil (On-Site Consumption) |

---

**R128** **2291 UNIVERSITY AVE/1700 DEV** **NY AST** **U003385371**
**ESE** **2291 UNIVERSITY AVE** **NY HIST AST** **N/A**
**1/8-1/4** **BRONX, NY 10453**
**0.211 mi.**
**1112 ft.** **Site 1 of 18 in cluster R**

**Relative:**
**Higher**

**Actual:**
**140 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-187372 |
| Program Type: | PBS |
| UTM X: | 592110.74454999994 |
| UTM Y: | 4523846.7578199999 |
| Expiration Date: | 11/21/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 5607 |
| Affiliation Type: | Mail Contact |
| Company Name: | E & M ASSOCIATES LLC |
| Contact Type: | Not reported |
| Contact Name: | DAVID LEDERMAN |
| Address1: | 1465A FLATBUSH AVENUE |
| Address2: | Not reported |
| City: | BROOKLYN |
| State: | NY |
| Zip Code: | 11210 |
| Country Code: | 001 |
| Phone: | (718) 434-9440 |
| EMail: | DLEDERMAN@EMMGMT.COM |
| Fax Number: | Not reported |
| Modified By: | DMMOLOUG |
| Date Last Modified: | 1/24/2014 |

| | |
|---|---|
| Site Id: | 5607 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2291 UNIVERSITY AVE OWNER LLC |
| Contact Type: | Not reported |
| Contact Name: | MEYER BRECHER |
| Address1: | Not reported |
| Address2: | Not reported |

**2291 UNIVERSITY AVE/1700 DEV (Continued)** **U003385371**

| | |
|---|---|
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 434-9440 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | DMMOLOUG |
| Date Last Modified: | 1/24/2014 |

| | |
|---|---|
| Site Id: | 5607 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 2291 UNIVERSITY AVE OWNER LLC |
| Contact Type: | Not reported |
| Contact Name: | MEYER BRECHER |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 434-9440 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | DMMOLOUG |
| Date Last Modified: | 1/24/2014 |

| | |
|---|---|
| Site Id: | 5607 |
| Affiliation Type: | Facility Owner |
| Company Name: | 2291 UNIVERSITY AVE OWNER LLC |
| Contact Type: | MANAGER |
| Contact Name: | DAVID LEDERMAN |
| Address1: | 1465A FLATBUSH AVENUE |
| Address2: | Not reported |
| City: | BROOKLYN |
| State: | NY |
| Zip Code: | 11210 |
| Country Code: | 001 |
| Phone: | (718) 434-9440 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | DMMOLOUG |
| Date Last Modified: | 1/24/2014 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 5660 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)
E00 - Piping Secondary Containment - None
H99 - Tank Leak Detection - Other
A00 - Tank Internal Protection - None

**2291 UNIVERSITY AVE/1700 DEV (Continued)** **U003385371**

D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
K00 - Spill Prevention - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 04/07/1958 |
| Capacity Gallons: | 3000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | DMMOLOUG |
| Last Modified: | 01/24/2014 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-187372 |
| SWIS Code: | 6001 |
| Operator: | FRANKLIN CRUZ |
| Facility Phone: | (212) 584-7045 |
| Facility Addr2: | 2291 UNIVERSITY AVE |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | LEW BODACK |
| Emergency Tel: | (212) 584-7036 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | 1700 DEVELOPMENT CORP |
| Owner Address: | 2388 VALENTINE AVE |
| Owner City,St,Zip: | BRONX, NY 10458 |
| Federal ID: | Not reported |
| Owner Tel: | (212) 364-1800 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | LEW BODAK |
| Mailing Name: | 1700 DEVELOPMENT CORP |
| Mailing Address: | 2388 VALENTINE AVE |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10458 |
| Mailing Telephone: | (212) 364-1800 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 08/18/1997 |
| Expiration: | 06/05/2002 |
| Renew Flag: | False |

**2291 UNIVERSITY AVE/1700 DEV (Continued)** **U003385371**

| | |
|---|---|
| Renew Date: | Not reported |
| Total Capacity: | 3000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 3000 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | Diking |
| Leak Detection: | 9 |
| Overfill Protection: | 4 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | False |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**S129** **CON EDISON** **NY MANIFEST** **S116293653**
**SSE** **2195 ANDREWS AVE** **N/A**
**1/8-1/4** **BRONX, NY 10453**
**0.215 mi.**
**1137 ft.** **Site 1 of 2 in cluster S**

**Relative:**
**Higher**

**Actual:**
**164 ft.**

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYP004448270 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | CON EDISON |
| Contact: | CON EDISON |
| Address: | 4 IRVING ST |
| Address 2: | 15TH FL |
| City/State/Zip: | NEW YORK, NY 10003 |
| Country: | USA |
| Phone: | Not reported |

**CON EDISON (Continued)** **S116293653**

Manifest:

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD003812047 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 02/21/2014 |
| Trans1 Recv Date: | 02/21/2014 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 02/25/2014 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004448270 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | Not reported |
| Quantity: | 550 |
| Units: | P - Pounds |
| Number of Containers: | 1 |
| Container Type: | TT - Cargo tank, tank trucks |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 1 |
| Year: | 2014 |
| Manifest Tracking Num: | 002086875GBF |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H110 |

---

**S130** **PUBLIC SCHOOL 15** **NY LTANKS** **S104951092**
**SSE** **2195 ANDREWS AVE** **NY AST** **N/A**
**1/8-1/4** **BRONX, NY**
**0.215 mi.**
**1137 ft.** **Site 2 of 2 in cluster S**

**Relative:**
**Higher**

**Actual:**
**164 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 200074 |
| Spill Number/Closed Date: | 0013233 / 5/27/2004 |
| Spill Date: | 3/16/2001 |
| Spill Cause: | Tank Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | TJDEMEO |
| Referred To: | Not reported |
| Reported to Dept: | 3/19/2001 |

**PUBLIC SCHOOL 15 (Continued)** **S104951092**

| | |
|---|---|
| CID: | 382 |
| Water Affected: | Not reported |
| Spill Notifier: | Federal Government |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/19/2001 |
| Spill Record Last Update: | 5/27/2004 |
| Spiller Name: | Not reported |
| Spiller Company: | BRONX COMM COLLEGE |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | ZZ |
| Spiller County: | 001 |
| Spiller Contact: | MR SINGER |
| Spiller Phone: | (718) 584-5185 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 166508 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"12/10/03 TJDSame as spill 0013188. Spill closed and cross referenced. |
| Remarks: | leak from tank at college is leaking into public schools play yard and then into a basement that leads to a catch basin. no further information |

Material:

| | |
|---|---|
| Site ID: | 200074 |
| Operable Unit ID: | 835172 |
| Operable Unit: | 01 |
| Material ID: | 539953 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-606247 |
| Program Type: | PBS |
| UTM X: | 591932.40608999995 |
| UTM Y: | 4523729.5102700004 |
| Expiration Date: | 07/10/2016 |
| Site Type: | School |

Affiliation Records:

**PUBLIC SCHOOL 15 (Continued)** **S104951092**

| | |
|---|---|
| Site Id: | 28111 |
| Affiliation Type: | Facility Owner |
| Company Name: | NYC DEPARTMENT OF EDUCATION |
| Contact Type: | MANAGER, FUEL DIVISION |
| Contact Name: | MUNENDRA SHARMA |
| Address1: | 44-36 VERNON BLVD. |
| Address2: | Not reported |
| City: | LONG ISLAND CITY |
| State: | NY |
| Zip Code: | 11101 |
| Country Code: | 001 |
| Phone: | (718) 349-5738 |
| EMail: | MSHARMA@SCHOOLS.NYC.COM |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 2/10/2012 |

| | |
|---|---|
| Site Id: | 28111 |
| Affiliation Type: | Mail Contact |
| Company Name: | NYC DEPARTMENT OF EDUCATION |
| Contact Type: | Not reported |
| Contact Name: | MUNENDRA SHARMA |
| Address1: | FIELD OPERATIONS-FUEL DIVISION |
| Address2: | 44-36 VERNON BLVD. |
| City: | LONG ISLAND CITY |
| State: | NY |
| Zip Code: | 11101 |
| Country Code: | 001 |
| Phone: | (718) 349-5738 |
| EMail: | JMERLO@SCHOOLS.NYC.GOV |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 2/10/2012 |

| | |
|---|---|
| Site Id: | 28111 |
| Affiliation Type: | On-Site Operator |
| Company Name: | PUBLIC SCHOOL 15 |
| Contact Type: | Not reported |
| Contact Name: | PLANT OPERATION |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 349-5400 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 28111 |
| Affiliation Type: | Emergency Contact |
| Company Name: | NYC DEPARMENT OF EDUCATION |
| Contact Type: | Not reported |
| Contact Name: | SCHOOL SAFETY |
| Address1: | Not reported |

**PUBLIC SCHOOL 15 (Continued)** **S104951092**

| | |
|---|---|
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 935-3300 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 6/24/2011 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 61158 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
K00 - Spill Prevention - None
L00 - Piping Leak Detection - None
I02 - Overfill - High Level Alarm
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1995 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | KAKYER |
| Last Modified: | 08/02/2006 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

| | |
|---|---|
| Tank Number: | 002 |
| Tank Id: | 62508 |
| Material Code: | 0008 |
| Common Name of Substance: | Diesel |

Equipment Records:

K00 - Spill Prevention - None
B01 - Tank External Protection - Painted/Asphalt Coating

**PUBLIC SCHOOL 15 (Continued)** **S104951092**

I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
L00 - Piping Leak Detection - None
I02 - Overfill - High Level Alarm
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1995 |
| Capacity Gallons: | 275 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | KAKYER |
| Last Modified: | 08/02/2006 |
| Material Name: | Diesel |

| | |
|---|---|
| Tank Number: | 003 |
| Tank Id: | 62509 |
| Material Code: | 0008 |
| Common Name of Substance: | Diesel |

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
L00 - Piping Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1995 |
| Capacity Gallons: | 50 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | KAKYER |

**PUBLIC SCHOOL 15 (Continued)** **S104951092**

Last Modified: 08/02/2006
Material Name: Diesel

---

**Q131**
**East**
**1/8-1/4**
**0.219 mi.**
**1154 ft.**

**CON EDISON** **NY MANIFEST** **S116044667**
**W FORDHAM RD & ANDREWS AVE** **N/A**
**BRONX, NY 10461**

**Site 4 of 4 in cluster Q**

**Relative:**
**Higher**

**Actual:**
**117 ft.**

NY MANIFEST:
EPA ID: NYP004410700
Country: USA

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PLACE
Address 2: 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: Not reported

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NYD006982359
Trans2 State ID: Not reported
Generator Ship Date: 12/24/2013
Trans1 Recv Date: 12/24/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/27/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004410700
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 25
Units: P - Pounds
Number of Containers: 1
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 011695045JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H110

**R132 ESE 1/8-1/4 0.221 mi. 1167 ft.** | **2305 UNIVERSITY AVENUE AKA MARTIN LUTHER KING BLVD**
**2305 UNIVERSITY AVENUE**
**BRONX, NY 10468** | **NY AST** | **U004076336**
**N/A**

**Site 2 of 18 in cluster R**

**Relative: Higher**

**Actual: 139 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-070610 |
| Program Type: | PBS |
| UTM X: | 592131.50962999999 |
| UTM Y: | 4523878.2156100003 |
| Expiration Date: | 10/30/2016 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 1576 |
| Affiliation Type: | Facility Owner |
| Company Name: | 2305 UNIVERSITY AVENUE LLC |
| Contact Type: | MEMBER |
| Contact Name: | DAVID KAPLAN |
| Address1: | 111 BROOK STREET |
| Address2: | Not reported |
| City: | SCARSDALE |
| State: | NY |
| Zip Code: | 10583 |
| Country Code: | 001 |
| Phone: | (914) 472-4900 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | msbaptis |
| Date Last Modified: | 8/8/2006 |

| | |
|---|---|
| Site Id: | 1576 |
| Affiliation Type: | Mail Contact |
| Company Name: | HW MANAGEMENT |
| Contact Type: | Not reported |
| Contact Name: | DAVID KAPLAN |
| Address1: | 111 BROOK STREET |
| Address2: | Not reported |
| City: | SCARSDALE |
| State: | NY |
| Zip Code: | 10583 |
| Country Code: | 001 |
| Phone: | (914) 472-4900 |
| EMail: | INFO@FTRE.COM |
| Fax Number: | Not reported |
| Modified By: | DMMOLOUG |
| Date Last Modified: | 4/22/2014 |

| | |
|---|---|
| Site Id: | 1576 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2305 UNIVERSITY AVENUE AKA MARTIN LUTHER KING BLVD |
| Contact Type: | Not reported |
| Contact Name: | JUAN LOPEZ |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |

**2305 UNIVERSITY AVENUE AKA MARTIN LUTHER KING BLVD (Continued)** **U004076336**

| | |
|---|---|
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 584-1730 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 1576 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 2305 UNIVERSITY AVENUE LLC |
| Contact Type: | Not reported |
| Contact Name: | STEVEN FINKELSTEIN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (914) 472-4900 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 2666 |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
F06 - Pipe External Protection - Wrapped
A01 - Tank Internal Protection - Epoxy Liner
K00 - Spill Prevention - None
D99 - Pipe Type - Other
L00 - Piping Leak Detection - None
E00 - Piping Secondary Containment - None
C03 - Pipe Location - Aboveground/Underground Combination

| | |
|---|---|
| Tank Location: | 6 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1924 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |

**2305 UNIVERSITY AVENUE AKA MARTIN LUTHER KING BLVD (Continued)** **U004076336**

| | |
|---|---|
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 07/21/2011 |
| Material Name: | #6 Fuel Oil (On-Site Consumption) |

---

**T133 ENE 1/8-1/4 0.226 mi. 1192 ft.** | **APT BUILDING** | **NY LTANKS** | **S106971368**
**153-175 FATHER ZIESER PLA** | **N/A**
**BRONX, NY**

**Site 1 of 3 in cluster T**

**Relative: Higher**

**Actual: 115 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 332478 |
| Spill Number/Closed Date: | 0407901 / 11/18/2005 |
| Spill Date: | 10/16/2004 |
| Spill Cause: | Tank Overfill |
| Spill Source: | Private Dwelling |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | rmpiper |
| Referred To: | Not reported |
| Reported to Dept: | 10/16/2004 |
| CID: | 27 |
| Water Affected: | Not reported |
| Spill Notifier: | Responsible Party |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 10/18/2004 |
| Spill Record Last Update: | 11/18/2005 |
| Spiller Name: | SCOTT WILLIAMS |
| Spiller Company: | AMERINDA HESS |
| Spiller Address: | 238 WEST FORT LEE RD |
| Spiller City,St,Zip: | BOGOTA, NJ 07063 |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 267663 |
| DEC Memo: | 11/18/05- DEC Piper contacted building super (Ray 646.271.5125). AS per ray the spill was located on concrete. Hess cleaned it up. No complaints from tenants. |
| Remarks: | Caller reports deliveryman, Carlos Pachos was delivering oil and the tank was overfilled and spilled out the vent pipe. Spill was onto pavement. Hess employees |

Material:

| | |
|---|---|
| Site ID: | 332478 |
| Operable Unit ID: | 1094711 |
| Operable Unit: | 01 |
| Material ID: | 574837 |
| Material Code: | 0002A |

**APT BUILDING (Continued)** **S106971368**

| | |
|---|---|
| Material Name: | #4 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 5 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**T134** **155 REALTY CO** **NY AST** **U003391538**
**ENE** **153 FATHER ZEISER PL** **NY HIST AST** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.226 mi.**
**1192 ft.** **Site 2 of 3 in cluster T**

**Relative:**
**Higher**

**Actual:**
**115 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-400459 |
| Program Type: | PBS |
| UTM X: | 592190.56993999996 |
| UTM Y: | 4524241.4953300003 |
| Expiration Date: | 01/03/2015 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 19109 |
| Affiliation Type: | Mail Contact |
| Company Name: | ZEISSER REALTY, LLC |
| Contact Type: | MEMBER |
| Contact Name: | IGNACIO CASTILLO |
| Address1: | 126 WEST FORDHAM ROAD |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10468 |
| Country Code: | 001 |
| Phone: | (718) 220-4323 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KXTANG |
| Date Last Modified: | 1/3/2005 |

| | |
|---|---|
| Site Id: | 19109 |
| Affiliation Type: | On-Site Operator |
| Company Name: | ZEISSER REALTY, LLC |
| Contact Type: | Not reported |
| Contact Name: | IGNACIO GASTILLO |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |

**155 REALTY CO (Continued)** **U003391538**

| | |
|---|---|
| Phone: | (718) 220-4323 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KXTANG |
| Date Last Modified: | 1/3/2005 |

| | |
|---|---|
| Site Id: | 19109 |
| Affiliation Type: | Emergency Contact |
| Company Name: | ZEISSER REALTY, LLC |
| Contact Type: | Not reported |
| Contact Name: | IGNACIO GASTILLO |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 220-4323 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KXTANG |
| Date Last Modified: | 1/3/2005 |

| | |
|---|---|
| Site Id: | 19109 |
| Affiliation Type: | Facility Owner |
| Company Name: | ZEISSER REALTY, LLC |
| Contact Type: | MEMBER |
| Contact Name: | IGNACIO CASTILLO |
| Address1: | 126 WEST FORDHAM ROAD |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10468 |
| Country Code: | 001 |
| Phone: | (718) 220-4323 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KXTANG |
| Date Last Modified: | 1/3/2005 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 21689 |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
G03 - Tank Secondary Containment - Vault (w/o access)

**155 REALTY CO (Continued)** **U003391538**

E12 - Piping Secondary Containment - Double-Wall (Aboveground)
H05 - Tank Leak Detection - In-Tank System (ATG)
B00 - Tank External Protection - None
K00 - Spill Prevention - None
I03 - Overfill - Automatic Shut-Off

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 08/01/1940 |
| Capacity Gallons: | 7500 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 10/27/2009 |
| Material Name: | #6 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-400459 |
| SWIS Code: | 6001 |
| Operator: | FRANK VILLALOBO |
| Facility Phone: | (212) 365-9422 |
| Facility Addr2: | 153 FATHER ZEISER PL |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | FRANK VILLALOBO |
| Emergency Tel: | (212) 365-9422 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | 155 REALTY CO |
| Owner Address: | 3153 PERRY AVE |
| Owner City,St,Zip: | BRONX, NY 10467 |
| Federal ID: | Not reported |
| Owner Tel: | (212) 798-9050 |
| Owner Type: | Not reported |
| Owner Subtype: | Not reported |
| Mailing Contact: | Not reported |
| Mailing Name: | 155 REALTY CO |
| Mailing Address: | 3153 PERRY AVE |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10467 |
| Mailing Telephone: | (212) 798-9050 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 11/12/1997 |
| Expiration: | 10/06/2002 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 7500 |
| FAMT: | True |

**155 REALTY CO (Continued)** **U003391538**

| | |
|---|---|
| Facility Screen: | No Missing Data |
| Owner Screen: | Minor Data Missing |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 7500 |
| Product Stored: | NOS 5 OR 6 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | Diking |
| Leak Detection: | 0 |
| Overfill Protection: | 4 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**R135** **SHELBE ASSOCIATES LLC** **NY HIST UST** **U003200529**
**SE** **2290 UNIVERSITY AVE** **NY AST** **N/A**
**1/8-1/4** **NEW YORK, NY 10468**
**0.228 mi.**
**1205 ft.** **Site 3 of 18 in cluster R**

**Relative:**
**Higher**

**Actual:**
**139 ft.**

HIST UST:

| | |
|---|---|
| PBS Number: | 2-205281 |
| SPDES Number: | Not reported |
| Emergency Contact: | JOSE SIERRA |
| Emergency Telephone: | (718) 365-6430 |
| Operator: | JOSE SIERRA |
| Operator Telephone: | (718) 365-6430 |
| Owner Name: | SHELBE ASSOCIATES LLC |
| Owner Address: | 3211 BAINBRIDGE AVE |
| Owner City,St,Zip: | BRONX, NY 10467 |
| Owner Telephone: | (718) 882-3304 |
| Owner Type: | Private Resident |
| Owner Subtype: | Not reported |
| Mailing Name: | SHELBE ASSOCIATES LLC |
| Mailing Address: | 3211 BAINBRIDGE AVE |

**SHELBE ASSOCIATES LLC (Continued)** **U003200529**

| | |
|---|---|
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10467 |
| Mailing Contact: | JERROLD WOLFSET |
| Mailing Telephone: | (718) 882-3304 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Facility Addr2: | Not reported |
| SWIS ID: | 6001 |
| Old PBS Number: | Not reported |
| Facility Type: | APARTMENT BUILDING |
| Inspected Date: | Not reported |
| Inspector: | Not reported |
| Inspection Result: | Not reported |
| Federal ID: | Not reported |
| Certification Flag: | False |
| Certification Date: | 07/02/1997 |
| Expiration Date: | 07/20/2002 |
| Renew Flag: | False |
| Renewal Date: | Not reported |
| Total Capacity: | 4000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank Id: | 001 |
| Tank Location: | UNDERGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (gals): | 4000 |
| Product Stored: | NOS 5 OR 6 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Second Containment: | Diking |
| Leak Detection: | None |
| Overfill Prot: | Product Level Gauge |
| Dispenser: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | False |

**SHELBE ASSOCIATES LLC (Continued)** **U003200529**

Lat/long: Not reported

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-205281 |
| Program Type: | PBS |
| UTM X: | 592120.03231000004 |
| UTM Y: | 4523838.76877 |
| Expiration Date: | 07/20/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 7179 |
| Affiliation Type: | Facility Owner |
| Company Name: | SHELBE ASSOCIATES LLC |
| Contact Type: | MANAGING AGENT |
| Contact Name: | JERROLD WOLFSET |
| Address1: | 3211 BAINBRIDGE AVENUE |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10467 |
| Country Code: | 001 |
| Phone: | (718) 882-3304 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 4/10/2007 |

| | |
|---|---|
| Site Id: | 7179 |
| Affiliation Type: | Mail Contact |
| Company Name: | SHELBE ASSOCIATES, LLC |
| Contact Type: | Not reported |
| Contact Name: | JERROLD WOLFSET |
| Address1: | 3211 BAINBRIDGE AVENUE |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10467 |
| Country Code: | 001 |
| Phone: | (718) 882-3304 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 7179 |
| Affiliation Type: | On-Site Operator |
| Company Name: | SHELBE ASSOCIATES LLC |
| Contact Type: | Not reported |
| Contact Name: | JOSE SIERRA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |

**SHELBE ASSOCIATES LLC (Continued)** **U003200529**

| | |
|---|---|
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 365-6430 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 7179 |
| Affiliation Type: | Emergency Contact |
| Company Name: | SHELBE ASSOCIATES LLC |
| Contact Type: | Not reported |
| Contact Name: | BRADLEY WOLFSET |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 882-3304 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 17102 |
| Material Code: | 0002 |
| Common Name of Substance: | #4 Fuel Oil (On-Site Consumption) |

Equipment Records:

| | |
|---|---|
| | C00 - Pipe Location - No Piping |
| | F00 - Pipe External Protection - None |
| | I04 - Overfill - Product Level Gauge (A/G) |
| | A00 - Tank Internal Protection - None |
| | D01 - Pipe Type - Steel/Carbon Steel/Iron |
| | J02 - Dispenser - Suction Dispenser |
| | L09 - Piping Leak Detection - Exempt Suction Piping |
| | H00 - Tank Leak Detection - None |
| | G03 - Tank Secondary Containment - Vault (w/o access) |
| | B00 - Tank External Protection - None |
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 07/01/1925 |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | NRLOMBAR |
| Last Modified: | 11/17/2009 |

**SHELBE ASSOCIATES LLC (Continued)** **U003200529**

Material Name: #4 Fuel Oil (On-Site Consumption)

---

**R136** **2287 ASSOCIATES, INC.** **NY AST** **U003384436**
**SE** **2287 UNIVERSITY AVENUE** **NY HIST AST** **N/A**
**1/8-1/4** **BRONX, NY 10464**
**0.228 mi.**
**1206 ft.** **Site 4 of 18 in cluster R**

**Relative:**
**Higher**

**Actual:**
**140 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-100528 |
| Program Type: | PBS |
| UTM X: | 592104.87144000002 |
| UTM Y: | 4523837.8023600001 |
| Expiration Date: | 03/24/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 3051 |
| Affiliation Type: | Facility Owner |
| Company Name: | 2287 ASSOCIATES, INC. |
| Contact Type: | OWNER |
| Contact Name: | DAVID SOMERSTEIN |
| Address1: | 68-15 MAIN STREET |
| Address2: | Not reported |
| City: | FLUSHING |
| State: | NY |
| Zip Code: | 11367 |
| Country Code: | 001 |
| Phone: | (718) 261-3900 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | DXLIVING |
| Date Last Modified: | 12/18/2006 |

| | |
|---|---|
| Site Id: | 3051 |
| Affiliation Type: | Mail Contact |
| Company Name: | 2287 ASSOCIATES, INC. |
| Contact Type: | OWNER |
| Contact Name: | DAVID SOMERSTEIN |
| Address1: | 68-15 MAIN STREET |
| Address2: | Not reported |
| City: | FLUSHING |
| State: | NY |
| Zip Code: | 11367 |
| Country Code: | 001 |
| Phone: | (718) 261-3900 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | DXLIVING |
| Date Last Modified: | 12/18/2006 |

| | |
|---|---|
| Site Id: | 3051 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2287 ASSOCIATES, INC. |
| Contact Type: | Not reported |

**2287 ASSOCIATES, INC. (Continued)** **U003384436**

| | |
|---|---|
| Contact Name: | DAVID |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 261-3900 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 3051 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 2287 ASSOCIATES, INC. |
| Contact Type: | Not reported |
| Contact Name: | DAVID |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 261-3900 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 3772 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

| | |
|---|---|
| | C00 - Pipe Location - No Piping |
| | F00 - Pipe External Protection - None |
| | I04 - Overfill - Product Level Gauge (A/G) |
| | B00 - Tank External Protection - None |
| | G03 - Tank Secondary Containment - Vault (w/o access) |
| | H00 - Tank Leak Detection - None |
| | A00 - Tank Internal Protection - None |
| | D01 - Pipe Type - Steel/Carbon Steel/Iron |
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 04/08/1940 |
| Capacity Gallons: | 2000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |

**2287 ASSOCIATES, INC. (Continued)** **U003384436**

| | |
|---|---|
| Register: | True |
| Modified By: | DXLIVING |
| Last Modified: | 12/18/2006 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-100528 |
| SWIS Code: | 6001 |
| Operator: | JESUS |
| Facility Phone: | (718) 367-4862 |
| Facility Addr2: | Not reported |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | JESUS |
| Emergency Tel: | (718) 367-4862 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | 2287 ASSOCIATES, INC. |
| Owner Address: | 68-15 MAIN STREET |
| Owner City,St,Zip: | FLUSHING, NY 11367 |
| Federal ID: | Not reported |
| Owner Tel: | (718) 261-3900 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | DAVID SOMERSTEIN |
| Mailing Name: | 2287 ASSOCIATES, INC. |
| Mailing Address: | 68-15 MAIN STREET |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | FLUSHING, NY 11367 |
| Mailing Telephone: | (718) 261-3900 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 02/18/1997 |
| Expiration: | 03/24/2002 |
| Renew Flag: | False |
| Renew Date: | 11/13/2001 |
| Total Capacity: | 2000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | No Missing Data |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 2000 |

**2287 ASSOCIATES, INC. (Continued)** **U003384436**

| | |
|---|---|
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | 0 |
| Tank External: | 00 |
| Pipe Location: | None |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | None |
| Pipe External: | 00 |
| Tank Containment: | Diking |
| Leak Detection: | 00 |
| Overfill Protection: | 04 |
| Dispenser Method: | Gravity |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | No Missing Data |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**R137** **CON EDISON** **NY MANIFEST** **S116045503**
**ESE** **2295 UNIVERSITY AVE** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.228 mi.**
**1206 ft.** **Site 5 of 18 in cluster R**

**Relative:**
**Higher**

**Actual:**
**139 ft.**

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYP004419602 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | CON EDISON |
| Contact: | CON EDISON |
| Address: | 4 IRVING PLACE |
| Address 2: | 15TH FL |
| City/State/Zip: | NEW YORK, NY 10003 |
| Country: | USA |
| Phone: | Not reported |

Manifest:

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD003812047 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 01/15/2014 |
| Trans1 Recv Date: | 01/15/2014 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 01/15/2014 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004419602 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | Not reported |

**CON EDISON (Continued)** **S116045503**

| | |
|---|---|
| Quantity: | 300 |
| Units: | G - Gallons (liquids only)* (8.3 pounds) |
| Number of Containers: | 1 |
| Container Type: | TT - Cargo tank, tank trucks |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 1 |
| Year: | 2014 |
| Manifest Tracking Num: | 002085570GBF |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H110 |

---

**R138** **2281 85 REALTY, LLC** **NY AST** **A100301179**
**SE** **2281-85 UNIVERSITY AVE** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.229 mi.**
**1208 ft.** **Site 6 of 18 in cluster R**

**Relative:**
**Higher**

**Actual:**
**143 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-293040 |
| Program Type: | PBS |
| UTM X: | 592096.01962000004 |
| UTM Y: | 4523824.3686499996 |
| Expiration Date: | 05/02/2016 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 13355 |
| Affiliation Type: | Mail Contact |
| Company Name: | 2281-85 REALTY, LLC. |
| Contact Type: | Not reported |
| Contact Name: | SUPER/FACILITY MANAGER |
| Address1: | PO BOX 191024 |
| Address2: | Not reported |
| City: | BROOKLYN |
| State: | NY |
| Zip Code: | 11219 |
| Country Code: | 001 |
| Phone: | (718) 972-5010 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 1/29/2007 |

| | |
|---|---|
| Site Id: | 13355 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2281 85 REALTY, LLC |

**2281 85 REALTY, LLC (Continued)** **A100301179**

| | |
|---|---|
| Contact Type: | Not reported |
| Contact Name: | RAMON D. DURAN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (347) 303-3222 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 2/24/2011 |

| | |
|---|---|
| Site Id: | 13355 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 2281-85 REALTY, LLC. |
| Contact Type: | Not reported |
| Contact Name: | RAMON D. DURAN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 972-5010 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 2/24/2011 |

| | |
|---|---|
| Site Id: | 13355 |
| Affiliation Type: | Facility Owner |
| Company Name: | 2281-85 REALTY, LLC. |
| Contact Type: | VICE PRESIDENT |
| Contact Name: | SHIMON GREISMAN |
| Address1: | PO BOX 191024 |
| Address2: | Not reported |
| City: | BROOKLYN |
| State: | NY |
| Zip Code: | 11219 |
| Country Code: | 001 |
| Phone: | (718) 972-5010 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 1/29/2007 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 15227 |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

**2281 85 REALTY, LLC (Continued)** **A100301179**

A00 - Tank Internal Protection - None
B99 - Tank External Protection - Other
D01 - Pipe Type - Steel/Carbon Steel/Iron
C00 - Pipe Location - No Piping
I04 - Overfill - Product Level Gauge (A/G)
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction Dispenser
I05 - Overfill - Vent Whistle
K00 - Spill Prevention - None
L00 - Piping Leak Detection - None
H00 - Tank Leak Detection - None
E01 - Piping Secondary Containment - Diking (Aboveground)
F02 - Pipe External Protection - Original Sacrificial Anode

| | |
|---|---|
| Tank Location: | 2 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1984 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | KAKYER |
| Last Modified: | 01/29/2007 |
| Material Name: | #6 Fuel Oil (On-Site Consumption) |

---

**U139** **CON EDISON - MH 11891** **RCRA NonGen / NLR** **1008195673**
**SE** **2265 UNIVERSITY AVE** **NY MANIFEST** **NYP004112140**
**1/8-1/4** **BRONX, NY 10468**
**0.232 mi.**
**1225 ft.** **Site 1 of 6 in cluster U**

**Relative:**
**Higher**

**Actual:**
**145 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date form received by agency: | 02/27/2004 |
| Facility name: | CON EDISON - MH 11891 |
| Facility address: | 2265 UNIVERSITY AVE<br>BRONX, NY 10468 |
| EPA ID: | NYP004112140 |
| Mailing address: | 4 IRVING PLACE<br>NEW YORK, NY 10003 |
| Contact: | ANTHONY DRUMMINGS |
| Contact address: | 4 IRVING PLACE<br>NEW YORK, NY 10003 |
| Contact country: | US |
| Contact telephone: | (212) 460-3770 |
| Contact email: | Not reported |
| EPA Region: | 02 |
| Classification: | Non-Generator |
| Description: | Handler: Non-Generators do not presently generate hazardous waste |

Owner/Operator Summary:

| | |
|---|---|
| Owner/operator name: | CONSOLIDATED EDISON COMPANY OF NY, INC. |
| Owner/operator address: | 4 IRVING PLACE<br>NEW YORK, NY 10003 |
| Owner/operator country: | US |

**CON EDISON - MH 11891 (Continued)** **1008195673**

Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/21/2003
Owner/Op end date: Not reported

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address: 4 IRVING PLACE
NEW YORK, NY 10003
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/21/2003
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/26/2004
Site name: CON EDISON - MH 11891
Classification: Not a generator, verified

Date form received by agency: 02/25/2004
Site name: CON EDISON - MH 11891
Classification: Large Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004112140
Country: USA

Mailing Info:
Name: CONSOLIDATED EDISON
Contact: FRANKLIN MURRAY
Address: 4 IRVING PLACE RM 828
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-2808

**CON EDISON - MH 11891 (Continued)** **1008195673**

Manifest:

| | |
|---|---|
| Document ID: | NYE1293057 |
| Manifest Status: | Not reported |
| Trans1 State ID: | 46109JM |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 06/21/2003 |
| Trans1 Recv Date: | 06/21/2003 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 06/23/2003 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004112140 |
| Trans1 EPA ID: | NYD006982359 |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NYD980593636 |
| Waste Code: | B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB |
| Quantity: | 04839 |
| Units: | K - Kilograms (2.2 pounds) |
| Number of Containers: | 001 |
| Container Type: | TT - Cargo tank, tank trucks |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 01.00 |
| Year: | 2003 |

---

**R140** **2315 UNIVERSITY AVE** **NY AST** **U004076334**
**ESE** **2315 UNIVERSITY AVE** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.232 mi.**
**1226 ft.** **Site 7 of 18 in cluster R**

**Relative:**
**Higher**

**Actual:**
**138 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-070580 |
| Program Type: | PBS |
| UTM X: | 592146.31862000003 |
| UTM Y: | 4523900.6059100004 |
| Expiration Date: | 01/14/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 1573 |
| Affiliation Type: | Facility Owner |
| Company Name: | 2315-25 UNIVERSITY AVE ASSOC |
| Contact Type: | AGENT |
| Contact Name: | R.H. TOPOROVSKY |
| Address1: | P O BOX 331 |
| Address2: | Not reported |
| City: | TEANECK |
| State: | NJ |
| Zip Code: | 07666 |
| Country Code: | 001 |
| Phone: | (201) 836-1578 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |

**2315 UNIVERSITY AVE (Continued)** **U004076334**

Date Last Modified: 11/1/2011

Site Id: 1573
Affiliation Type: Mail Contact
Company Name: 2315-25 UNIVERSITY AVE LLC
Contact Type: Not reported
Contact Name: R.H. TOPOROVSKY
Address1: P O BOX 331
Address2: Not reported
City: TEANECK
State: NJ
Zip Code: 07666
Country Code: 001
Phone: (201) 836-1578
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 1573
Affiliation Type: On-Site Operator
Company Name: 2315 UNIVERSITY AVE
Contact Type: Not reported
Contact Name: JOSE VENTURA
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (201) 836-1575
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 1573
Affiliation Type: Emergency Contact
Company Name: 2315-25 UNIVERSITY AVE ASSOC
Contact Type: Not reported
Contact Name: JOSE VENTURA
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (917) 642-1889
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 009
Tank Id: 2663

**2315 UNIVERSITY AVE (Continued)** **U004076334**

| | |
|---|---|
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
D99 - Pipe Type - Other
A01 - Tank Internal Protection - Epoxy Liner
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
J03 - Dispenser - Gravity
L02 - Piping Leak Detection - Interstitial - Manual Monitoring

| | |
|---|---|
| Tank Location: | 6 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 02/23/1985 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 11/01/2011 |
| Material Name: | #6 Fuel Oil (On-Site Consumption) |

---

**R141** **2315 UNIVERSITY AVE** **NY HIST AST** **U000413666**
**ESE** **2315 UNIVERSITY AVE** **NY MANIFEST** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.232 mi.**
**1226 ft.** **Site 8 of 18 in cluster R**

**Relative:**
**Higher**

**Actual:**
**138 ft.**

HIST AST:

| | |
|---|---|
| PBS Number: | 2-070580 |
| SWIS Code: | 6001 |
| Operator: | JOSE VENTURA |
| Facility Phone: | (201) 836-1575 |
| Facility Addr2: | 2315 UNIVERSITY AVENUE |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | JOSE VENTURA |
| Emergency Tel: | (917) 642-1889 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | 2315-25 UNIVERSITY AVE ASSOC |
| Owner Address: | P O BOX 331 |
| Owner City,St,Zip: | TEANECK, NJ 07666 |
| Federal ID: | Not reported |
| Owner Tel: | (201) 836-1578 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |

**2315 UNIVERSITY AVE (Continued)** **U000413666**

| | |
|---|---|
| Mailing Contact: | R.H. TOPOROVSKY |
| Mailing Name: | 2315-25 UNIVERSITY AVE LLC |
| Mailing Address: | P O BOX 331 |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | TEANECK, NJ 07666 |
| Mailing Telephone: | (201) 836-1578 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 11/05/2001 |
| Expiration: | 01/14/2007 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 5000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 009 |
| Tank Location: | UNDERGROUND, VAULTED, WITH ACCESS |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 5000 |
| Product Stored: | NOS 5 OR 6 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | 1 |
| Tank External: | 1 |
| Pipe Location: | Aboveground/Underground Combination |
| Pipe Type: | OTHER |
| Pipe Internal: | Not reported |
| Pipe External: | 6 |
| Tank Containment: | None |
| Leak Detection: | 9 |
| Overfill Protection: | 4 |
| Dispenser Method: | Gravity |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYP004159588 |
| Country: | USA |

**2315 UNIVERSITY AVE (Continued)** **U000413666**

Mailing Info:

| | |
|---|---|
| Name: | CONSOLIDATED EDISON |
| Contact: | FRANKLYN MURRAY |
| Address: | 4 IEVING PLACE RM 828 |
| City/State/Zip: | NEW YORK, NY 10003 |
| Country: | USA |
| Phone: | 212-460-2808 |

Manifest:

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NYD006982359 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 07/09/2008 |
| Trans1 Recv Date: | 07/09/2008 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 07/16/2008 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004159588 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NYD077444263 |
| Waste Code: | Not reported |
| Quantity: | 50.0 |
| Units: | K - Kilograms (2.2 pounds) |
| Number of Containers: | 1.0 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 1.0 |
| Year: | 2008 |
| Manifest Tracking Num: | 001433595FLE |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | Y |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | Y |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | 003748949JJK |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H141 |

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | MAD985286988 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 07/22/2008 |
| Trans1 Recv Date: | 07/22/2008 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 07/22/2008 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |

**2315 UNIVERSITY AVE (Continued)** **U000413666**

| | |
|---|---|
| Generator EPA ID: | NYP004159588 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD002200046 |
| Waste Code: | Not reported |
| Quantity: | 50.0 |
| Units: | K - Kilograms (2.2 pounds) |
| Number of Containers: | 1.0 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 1.0 |
| Year: | 2008 |
| Manifest Tracking Num: | 003748949JJK |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H141 |

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NYD006982359 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 07/09/2008 |
| Trans1 Recv Date: | 07/09/2008 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 07/11/2008 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004159588 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NYD077444263 |
| Waste Code: | Not reported |
| Quantity: | 800.0 |
| Units: | K - Kilograms (2.2 pounds) |
| Number of Containers: | 8.0 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | L Landfill. |
| Specific Gravity: | 1.0 |
| Year: | 2008 |
| Manifest Tracking Num: | 001433504FLE |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |

**2315 UNIVERSITY AVE (Continued)** **U000413666**

| | |
|---|---|
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H141 |

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NYD006982359 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 07/09/2008 |
| Trans1 Recv Date: | 07/09/2008 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 07/11/2008 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004159588 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NYD077444263 |
| Waste Code: | Not reported |
| Quantity: | 700.0 |
| Units: | K - Kilograms (2.2 pounds) |
| Number of Containers: | 7.0 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 1.0 |
| Year: | 2008 |
| Manifest Tracking Num: | 001433504FLE |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H141 |

---

**R142** **EDR US Hist Auto Stat** **1015345498**
**ESE** **2308 UNIVERSITY AVE** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.232 mi.**
**1227 ft.** **Site 9 of 18 in cluster R**

**Relative:**
**Higher**

**Actual:**
**139 ft.**

EDR Historical Auto Stations:

| | |
|---|---|
| Name: | CASTLE AUTO CORP |
| Year: | 2004 |
| Address: | 2308 UNIVERSITY AVE |

| | |
|---|---|
| Name: | RHAISA AUTO CORP |
| Year: | 2008 |
| Address: | 2308 UNIVERSITY AVE |

**R143** **2308 UNIVERSITY AVENUE** **NY AST** **U003394548**
**ESE** **2308 UNIVERSITY AVENUE** **NY HIST AST** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.232 mi.**
**1227 ft.** **Site 10 of 18 in cluster R**

**Relative:**
**Higher**

**Actual:**
**139 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-457337 |
| Program Type: | PBS |
| UTM X: | 592146.67041000002 |
| UTM Y: | 4523879.1820799997 |
| Expiration Date: | 01/18/2019 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 20204 |
| Affiliation Type: | Facility Owner |
| Company Name: | 2308 REALTY, LLC |
| Contact Type: | VP |
| Contact Name: | AARON BAUER |
| Address1: | 1624 WEBSTER AVENUE |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10457 |
| Country Code: | 001 |
| Phone: | (718) 583-4905 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/15/2009 |

| | |
|---|---|
| Site Id: | 20204 |
| Affiliation Type: | Mail Contact |
| Company Name: | BB & BB MANAGEMENT CORP. |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 1624 WEBSTER AVENUE |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10457 |
| Country Code: | 001 |
| Phone: | (718) 583-4905 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/31/2014 |

| | |
|---|---|
| Site Id: | 20204 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2308 UNIVERSITY AVENUE |
| Contact Type: | Not reported |
| Contact Name: | BIENVENIDO VERAS |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |

**2308 UNIVERSITY AVENUE (Continued)** **U003394548**

| | |
|---|---|
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 676-1473 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/15/2009 |

| | |
|---|---|
| Site Id: | 20204 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 2308 REALTY, LLC |
| Contact Type: | Not reported |
| Contact Name: | AARON BAUER |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 731-2383 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 36801 |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
L00 - Piping Leak Detection - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1960 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |

**2308 UNIVERSITY AVENUE (Continued)** **U003394548**

| | |
|---|---|
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 01/23/2014 |
| Material Name: | #6 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-457337 |
| SWIS Code: | 6001 |
| Operator: | RAFAEL SANTOS |
| Facility Phone: | (718) 562-7455 |
| Facility Addr2: | 2308 UNIVERSITY AVENUE |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | AARON BAUER |
| Emergency Tel: | (718) 731-2383 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | 2308 REALTY, LLC. |
| Owner Address: | 1624 WEBSTER AVENUE |
| Owner City,St,Zip: | BRONX, NY 10457 |
| Federal ID: | Not reported |
| Owner Tel: | (718) 583-4905 |
| Owner Type: | Private Resident |
| Owner Subtype: | Not reported |
| Mailing Contact: | Not reported |
| Mailing Name: | BB & BB MANAGEMENT CORP. |
| Mailing Address: | 1624 WEBSTER AVENUE |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10457 |
| Mailing Telephone: | (718) 583-4905 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 10/15/1999 |
| Expiration: | 01/18/2004 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 5000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 5000 |

**2308 UNIVERSITY AVENUE (Continued)** **U003394548**

| | |
|---|---|
| Product Stored: | NOS 5 OR 6 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | Not reported |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | None |
| Leak Detection: | 0 |
| Overfill Protection: | Not reported |
| Dispenser Method: | Gravity |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | False |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**U144** **86 WEST 183RD ST** **NY AST** **A100393079**
**SE** **86 WEST 183RD ST** **N/A**
**1/8-1/4** **BRONX, NY 10453**
**0.232 mi.**
**1227 ft.** **Site 2 of 6 in cluster U**

**Relative:**
**Higher**

**Actual:**
**147 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-612244 |
| Program Type: | PBS |
| UTM X: | Not reported |
| UTM Y: | Not reported |
| Expiration Date: | 06/17/2019 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 496214 |
| Affiliation Type: | Facility Owner |
| Company Name: | GOOD HOME REALTY |
| Contact Type: | PRES |
| Contact Name: | MARSHALL ROSE |
| Address1: | PO BOX 478 |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10471 |
| Country Code: | 001 |
| Phone: | (914) 751-8065 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 6/17/2014 |

| | |
|---|---|
| Site Id: | 496214 |

**86 WEST 183RD ST (Continued)** **A100393079**

| | |
|---|---|
| Affiliation Type: | Mail Contact |
| Company Name: | GOOD HOME REALTY |
| Contact Type: | PRES |
| Contact Name: | MARSHALL ROSE |
| Address1: | PO BOX 478 |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10471 |
| Country Code: | 001 |
| Phone: | (914) 751-8065 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 6/17/2014 |

| | |
|---|---|
| Site Id: | 496214 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 86 WEST 183RD ST |
| Contact Type: | Not reported |
| Contact Name: | 111 |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | Not reported |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 6/17/2014 |

Tank Info:

| | |
|---|---|
| Tank Number: | 01 |
| Tank Id: | 252263 |

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
J05 - Dispenser - On Site Heating System (Supply/Return)
K01 - Spill Prevention - Catch Basin
L00 - Piping Leak Detection - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I01 - Overfill - Float Vent Valve

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 06/14/1982 |
| Capacity Gallons: | 4000 |

**86 WEST 183RD ST (Continued)** **A100393079**

| | |
|---|---|
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 06/18/2014 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

---

**U145** **2270 UNIVERSITY AVE** **NY AST** **A100157639**
**SE** **2270 UNIVERSITY AVE** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.233 mi.**
**1230 ft.** **Site 3 of 6 in cluster U**

**Relative:**
**Higher**

**Actual:**
**144 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-604194 |
| Program Type: | PBS |
| UTM X: | 592090.41518999997 |
| UTM Y: | 4523793.8773100004 |
| Expiration Date: | 11/27/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 26074 |
| Affiliation Type: | Mail Contact |
| Company Name: | PBP REALTY FUND LLC |
| Contact Type: | PRES |
| Contact Name: | RICHARD MAURICE |
| Address1: | PO BOX 630103 |
| Address2: | Not reported |
| City: | LITTLE NECK |
| State: | NY |
| Zip Code: | 11363 |
| Country Code: | 001 |
| Phone: | (212) 828-3645 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 11/30/2009 |

| | |
|---|---|
| Site Id: | 26074 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2270 UNIVERSITY AVE |
| Contact Type: | Not reported |
| Contact Name: | JOHN WATERMAN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (212) 828-3645 |
| EMail: | Not reported |
| Fax Number: | Not reported |

**2270 UNIVERSITY AVE (Continued)** **A100157639**

| | |
|---|---|
| Modified By: | MSBAPTIS |
| Date Last Modified: | 11/30/2009 |

| | |
|---|---|
| Site Id: | 26074 |
| Affiliation Type: | Emergency Contact |
| Company Name: | UNIVERSITY LLC |
| Contact Type: | Not reported |
| Contact Name: | RICHARD MAURICE |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (212) 828-3645 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 11/30/2009 |

| | |
|---|---|
| Site Id: | 26074 |
| Affiliation Type: | Facility Owner |
| Company Name: | PBP REALTY FUND LLC |
| Contact Type: | PRES |
| Contact Name: | RICHARD MAURICE |
| Address1: | PO BOX 630103 |
| Address2: | Not reported |
| City: | LITTLE NECK |
| State: | NY |
| Zip Code: | 11363 |
| Country Code: | 001 |
| Phone: | (212) 828-3645 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 11/30/2009 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 56939 |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

I05 - Overfill - Vent Whistle
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
G03 - Tank Secondary Containment - Vault (w/o access)
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Location: 1

**2270 UNIVERSITY AVE (Continued)** **A100157639**

| | |
|---|---|
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/03/1963 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 11/30/2009 |
| Material Name: | #6 Fuel Oil (On-Site Consumption) |

---

**146 South 1/8-1/4 0.235 mi. 1241 ft.** **PATTERSON USARC 2118 LORING PLACE BRONX, NY 10453** **NY MANIFEST** **S110709077 N/A**

**Relative: Higher**

**Actual: 180 ft.**

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NY4210022246 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | PATTERSON USARC |
| Contact: | D HOUSER |
| Address: | 2118 LORING PLACE |
| City/State/Zip: | BRONX, NY 10453 |
| Country: | USA |
| Phone: | 212-365-8400 |

Manifest:

| | |
|---|---|
| Document ID: | NYG1828134 |
| Manifest Status: | Not reported |
| Trans1 State ID: | IN015 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 02/07/2002 |
| Trans1 Recv Date: | 02/07/2002 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 02/16/2002 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NY4210022246 |
| Trans1 EPA ID: | IND058484114 |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | IND093219012 |
| Waste Code: | D008 - LEAD 5.0 MG/L TCLP |
| Quantity: | 00270 |
| Units: | G - Gallons (liquids only)* (8.3 pounds) |
| Number of Containers: | 004 |
| Container Type: | DF - Fiberboard or plastic drums (glass) |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 01.00 |
| Waste Code: | D008 - LEAD 5.0 MG/L TCLP |
| Quantity: | 00055 |
| Units: | G - Gallons (liquids only)* (8.3 pounds) |

**PATTERSON USARC (Continued)** **S110709077**

Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NJA4100211
Manifest Status: Not reported
Trans1 State ID: NJDEP5016
Trans2 State ID: Not reported
Generator Ship Date: 03/27/2002
Trans1 Recv Date: 03/27/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/27/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY4210022246
Trans1 EPA ID: NJD080631369
Trans2 EPA ID: Not reported
TSDF ID: NJD980536593
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00030
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00400
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00400
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00240
Units: P - Pounds
Number of Containers: 004
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NCA0414930
Manifest Status: Completed copy
Trans1 State ID: OK004
Trans2 State ID: Not reported
Generator Ship Date: 04/14/1993

**PATTERSON USARC (Continued)** **S110709077**

| | |
|---|---|
| Trans1 Recv Date: | 04/14/1993 |
| Trans2 Recv Date: | / / |
| TSD Site Recv Date: | 04/20/1993 |
| Part A Recv Date: | 04/28/1993 |
| Part B Recv Date: | 05/05/1993 |
| Generator EPA ID: | NY4210022246 |
| Trans1 EPA ID: | OKD981605363 |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NCD000648451 |
| Waste Code: | D001 - NON-LISTED IGNITABLE WASTES |
| Quantity: | 00050 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DF - Fiberboard or plastic drums (glass) |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 100 |
| Waste Code: | D001 - NON-LISTED IGNITABLE WASTES |
| Quantity: | 00032 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DF - Fiberboard or plastic drums (glass) |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 100 |
| Year: | 1993 |

| | |
|---|---|
| Document ID: | ARA6637320 |
| Manifest Status: | Completed after the designated time period for a TSDF to get a copy to the DEC |
| Trans1 State ID: | PC0708H01 |
| Trans2 State ID: | PC0902H20 |
| Generator Ship Date: | 10/12/1994 |
| Trans1 Recv Date: | 10/12/1994 |
| Trans2 Recv Date: | 10/14/1994 |
| TSD Site Recv Date: | 10/29/1994 |
| Part A Recv Date: | / / |
| Part B Recv Date: | 11/15/1994 |
| Generator EPA ID: | NY4210022246 |
| Trans1 EPA ID: | ARD069748192 |
| Trans2 EPA ID: | OHD009865825 |
| TSDF ID: | ARD069748192 |
| Waste Code: | D002 - NON-LISTED CORROSIVE WASTES |
| Quantity: | 00846 |
| Units: | P - Pounds |
| Number of Containers: | 018 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 100 |
| Waste Code: | D002 - NON-LISTED CORROSIVE WASTES |
| Quantity: | 00047 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DF - Fiberboard or plastic drums (glass) |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 100 |
| Year: | 1994 |

**PATTERSON USARC (Continued)** **S110709077**

| | |
|---|---|
| Document ID: | NYG0579924 |
| Manifest Status: | Not reported |
| Trans1 State ID: | NYJA113 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 04/22/1998 |
| Trans1 Recv Date: | 04/22/1998 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 04/24/1998 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NY4210022246 |
| Trans1 EPA ID: | NJD054126164 |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NYD057770109 |
| Waste Code: | U019 - BENZENE |
| Quantity: | 00151 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 01.00 |
| Waste Code: | D001 - NON-LISTED IGNITABLE WASTES |
| Quantity: | 00043 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DF - Fiberboard or plastic drums (glass) |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 01.00 |
| Waste Code: | D001 - NON-LISTED IGNITABLE WASTES |
| Quantity: | 00070 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DF - Fiberboard or plastic drums (glass) |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 01.00 |
| Waste Code: | U103 - DIMETHYL SULFATE |
| Quantity: | 00001 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 01.00 |
| Year: | 1998 |

| | |
|---|---|
| Document ID: | NYG0580941 |
| Manifest Status: | Not reported |
| Trans1 State ID: | NYJA113 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 04/22/1998 |
| Trans1 Recv Date: | 04/22/1998 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 04/24/1998 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NY4210022246 |
| Trans1 EPA ID: | NJD054126164 |

**PATTERSON USARC (Continued)** **S110709077**

| | |
|---|---|
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NYD057770109 |
| Waste Code: | D001 - NON-LISTED IGNITABLE WASTES |
| Quantity: | 00060 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 01.00 |
| Year: | 1998 |

| | |
|---|---|
| Document ID: | NYG0579915 |
| Manifest Status: | Not reported |
| Trans1 State ID: | NYJA113 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 04/22/1998 |
| Trans1 Recv Date: | 04/22/1998 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 04/24/1998 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NY4210022246 |
| Trans1 EPA ID: | NJD054126164 |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NYD057770109 |
| Waste Code: | D001 - NON-LISTED IGNITABLE WASTES |
| Quantity: | 00001 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 01.00 |
| Waste Code: | D001 - NON-LISTED IGNITABLE WASTES |
| Quantity: | 00050 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DF - Fiberboard or plastic drums (glass) |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 01.00 |
| Year: | 1998 |

---

**R147** **2325 UNIVERSITY AVE** **NY AST** **U004076348**
**ESE** **2325 UNIVERSITY AVE** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.235 mi.**
**1241 ft.** **Site 11 of 18 in cluster R**

**Relative:**
**Higher**

**Actual:**
**137 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-070599 |
| Program Type: | PBS |
| UTM X: | 592161.12613999995 |
| UTM Y: | 4523923.1072500004 |
| Expiration Date: | 01/14/2017 |
| Site Type: | Apartment Building/Office Building |

**2325 UNIVERSITY AVE (Continued)** **U004076348**

Affiliation Records:

| | |
|---|---|
| Site Id: | 1574 |
| Affiliation Type: | Facility Owner |
| Company Name: | 2315-25 UNIVERITY AVE ASSOC |
| Contact Type: | AGENT |
| Contact Name: | R.H. TOPOROVSKY |
| Address1: | P O BOX 331 |
| Address2: | Not reported |
| City: | TEANECK |
| State: | NJ |
| Zip Code: | 07666 |
| Country Code: | 001 |
| Phone: | (201) 836-1575 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 11/1/2011 |

| | |
|---|---|
| Site Id: | 1574 |
| Affiliation Type: | Mail Contact |
| Company Name: | 2315-25 UNIVERSITY AVE LLC |
| Contact Type: | Not reported |
| Contact Name: | R.H. TOPOROVSKY |
| Address1: | P O BOX 331 |
| Address2: | Not reported |
| City: | TEANECK |
| State: | NJ |
| Zip Code: | 07666 |
| Country Code: | 001 |
| Phone: | (201) 836-1578 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 1574 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2325 UNIVERSITY AVE |
| Contact Type: | Not reported |
| Contact Name: | RAFAEL FIGUEROA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (201) 836-1575 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 1574 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 2315-25 UNIVERITY AVE ASSOC |
| Contact Type: | Not reported |
| Contact Name: | RAFAEL FIGUEROA |

**2325 UNIVERSITY AVE (Continued)** **U004076348**

| | |
|---|---|
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (917) 642-1897 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

Tank Info:

| | |
|---|---|
| Tank Number: | 010 |
| Tank Id: | 2664 |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

L02 - Piping Leak Detection - Interstitial - Manual Monitoring
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
A01 - Tank Internal Protection - Epoxy Liner
F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
J03 - Dispenser - Gravity
D99 - Pipe Type - Other
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None

| | |
|---|---|
| Tank Location: | 6 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 02/23/1985 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 11/01/2011 |
| Material Name: | #6 Fuel Oil (On-Site Consumption) |

**U148** **2260 UNIVERSITY AVE** **NY AST** **U003388354**
**SE** **2260 UNIVERSITY AVE** **NY HIST AST** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.235 mi.**
**1242 ft.** **Site 4 of 6 in cluster U**

**Relative:**
**Higher**

**Actual:**
**144 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-270423 |
| Program Type: | PBS |
| UTM X: | 592075.60580000002 |
| UTM Y: | 4523771.4871300003 |
| Expiration Date: | 04/17/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 11364 |
| Affiliation Type: | Facility Owner |
| Company Name: | VED PARKASH |
| Contact Type: | MANAGING AGENT |
| Contact Name: | VED PARKASN |
| Address1: | 172-14 89TH AVE |
| Address2: | Not reported |
| City: | JAMAICA |
| State: | NY |
| Zip Code: | 11432 |
| Country Code: | 001 |
| Phone: | (718) 658-0205 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 1/20/2012 |

| | |
|---|---|
| Site Id: | 11364 |
| Affiliation Type: | Mail Contact |
| Company Name: | VED PARKASH |
| Contact Type: | Not reported |
| Contact Name: | VED PARKASH |
| Address1: | 172-17 89TH AVE |
| Address2: | Not reported |
| City: | JAMAICA |
| State: | NY |
| Zip Code: | 11432 |
| Country Code: | 001 |
| Phone: | (718) 658-0205 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 11364 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2260 UNIVERSITY AVE |
| Contact Type: | Not reported |
| Contact Name: | ENRIQUE REYES |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |

**2260 UNIVERSITY AVE (Continued)** **U003388354**

| | |
|---|---|
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 562-6455 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 4/25/2007 |

| | |
|---|---|
| Site Id: | 11364 |
| Affiliation Type: | Emergency Contact |
| Company Name: | VED PARKASH |
| Contact Type: | Not reported |
| Contact Name: | VED PARKASH |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 658-0205 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 4/25/2007 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 13803 |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
K00 - Spill Prevention - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 04/22/1959 |
| Capacity Gallons: | 10000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |

**2260 UNIVERSITY AVE (Continued)** **U003388354**

| | |
|---|---|
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 01/20/2012 |
| Material Name: | #6 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-270423 |
| SWIS Code: | 6001 |
| Operator: | FELIX PAULINO |
| Facility Phone: | (212) 295-3587 |
| Facility Addr2: | 2260 UNIVERSITY AVE |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | JRD MANAGEMENT CORP |
| Emergency Tel: | (914) 632-1975 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | EQUITY INVESTMENTS |
| Owner Address: | 875 MAMARONECK AV |
| Owner City,St,Zip: | MAMARONECK, NY 10543 |
| Federal ID: | Not reported |
| Owner Tel: | (914) 381-5420 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | FREDERICK MEHLMAN, PRES. |
| Mailing Name: | EQUITY INVESTMENTS |
| Mailing Address: | 875 MAMARONECK AV |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | MAMARONECK, NY 10543 |
| Mailing Telephone: | (914) 381-5420 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 09/30/1999 |
| Expiration: | 07/10/2002 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 10000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 10000 |

**2260 UNIVERSITY AVE (Continued)** **U003388354**

| | |
|---|---|
| Product Stored: | NOS 5 OR 6 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | None |
| Leak Detection: | 0 |
| Overfill Protection: | 4 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | False |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**R149** **CON EDISON** **NY MANIFEST** **S114561460**
**ESE** **2322 UNIVERSITY AVE** **NY Spills** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.236 mi.**
**1248 ft.** **Site 12 of 18 in cluster R**

**Relative:**
**Higher**

**Actual:**
**138 ft.**

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYP004508966 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | CON EDISON |
| Contact: | TOM TEELING |
| Address: | 4 IRVING PLACE - 15TH FLOOR |
| City/State/Zip: | NEW YORK, NY 10003 |
| Country: | USA |
| Phone: | 212-460-3770 |

Manifest:

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD003812047 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 04/23/2014 |
| Trans1 Recv Date: | 04/23/2014 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 04/25/2014 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004508966 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | Not reported |
| Quantity: | 1000 |

**CON EDISON (Continued)** **S114561460**

| | |
|---|---|
| Units: | P - Pounds |
| Number of Containers: | 1 |
| Container Type: | TT - Cargo tank, tank trucks |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 1 |
| Year: | 2014 |
| Manifest Tracking Num: | 002418357GBF |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H110 |

SPILLS:

| | |
|---|---|
| Facility ID: | 1308122 |
| Facility Type: | ER |
| DER Facility ID: | 443897 |
| Site ID: | 488837 |
| DEC Region: | 2 |
| Spill Date: | 11/8/2013 |
| Spill Number/Closed Date: | 1308122 / Not Reported |
| Spill Cause: | Equipment Failure |
| Spill Class: | Not reported |
| SWIS: | 0301 |
| Investigator: | HRAHMED |
| Referred To: | Not reported |
| Reported to Dept: | 11/8/2013 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Private Dwelling |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 1 |
| Date Entered In Computer: | 11/8/2013 |
| Spill Record Last Update: | 11/12/2013 |
| Spiller Name: | KOWLASSAR SUKHRAM |
| Spiller Company: | KOWLASSAR SUKHRAM |
| Spiller Address: | 2322 UNIVERSITY AVE |
| Spiller City,St,Zip: | BRONX, NY 10468 |
| Spiller Company: | 999 |
| Contact Name: | KOWLASSAR SUKHRAM |
| Contact Phone: | (347) 590-6244 |
| DEC Memo: | Not reported |
| Remarks: | Leak of oil, no spill on carpeting. Leak on bottom of the tank. |

Material:

| | |
|---|---|
| Site ID: | 488837 |

**CON EDISON (Continued)** **S114561460**

| | |
|---|---|
| Operable Unit ID: | 1238444 |
| Operable Unit: | 01 |
| Material ID: | 2238364 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | Not reported |
| Recovered: | Not reported |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**R150** **2324 UNIVERSITY AVE** **NY AST** **A100178258**
**ESE** **2324 UNIVERSITY AVENUE** **N/A**
**1/8-1/4** **BRONX, NY 10460**
**0.237 mi.**
**1250 ft.** **Site 13 of 18 in cluster R**

**Relative:**
**Higher**

**Actual:**
**138 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-606030 |
| Program Type: | PBS |
| UTM X: | 592170.33097000001 |
| UTM Y: | 4523915.0061999997 |
| Expiration Date: | 03/01/2019 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 27895 |
| Affiliation Type: | Mail Contact |
| Company Name: | UNI-HEIGHTS REALTORS CORP. |
| Contact Type: | Not reported |
| Contact Name: | TITO PEREZ |
| Address1: | PO BX 580172 |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10458-9992 |
| Country Code: | 001 |
| Phone: | (718) 933-1353 |
| EMail: | UNIHEIGHTSREALTYS@NETZERO.NET |
| Fax Number: | Not reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 2/13/2014 |

| | |
|---|---|
| Site Id: | 27895 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2324 UNIVERSITY AVE |
| Contact Type: | Not reported |
| Contact Name: | AMANDO SOSA |
| Address1: | Not reported |
| Address2: | Not reported |

**2324 UNIVERSITY AVE (Continued)** **A100178258**

| | |
|---|---|
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (917) 416-7866 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 8/23/2007 |

| | |
|---|---|
| Site Id: | 27895 |
| Affiliation Type: | Emergency Contact |
| Company Name: | UNI-HEIGHTS REALTORS CORP |
| Contact Type: | Not reported |
| Contact Name: | TITO PEREZ |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (917) 416-7866 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 8/23/2007 |

| | |
|---|---|
| Site Id: | 27895 |
| Affiliation Type: | Facility Owner |
| Company Name: | UNI-HEIGHTS REALTORS CORP |
| Contact Type: | AGENT |
| Contact Name: | TITO PEREZ |
| Address1: | PO BOX 580172 |
| Address2: | Not reported |
| City: | NEW YORK CITY |
| State: | NY |
| Zip Code: | 10458-9992 |
| Country Code: | 001 |
| Phone: | (718) 993-1353 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 8/23/2007 |

Tank Info:

| | |
|---|---|
| Tank Number: | 1 |
| Tank Id: | 60866 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

C01 - Pipe Location - Aboveground
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser

**2324 UNIVERSITY AVE (Continued)** **A100178258**

L09 - Piping Leak Detection - Exempt Suction Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H05 - Tank Leak Detection - In-Tank System (ATG)
I05 - Overfill - Vent Whistle
G03 - Tank Secondary Containment - Vault (w/o access)

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/2000 |
| Capacity Gallons: | 2500 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 02/13/2014 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

---

**R151** **2328 UNIAVE CORP.** **NY AST** **A100178127**
**ESE** **2328 UNIVERSITY AVENUE** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.238 mi.**
**1256 ft.** **Site 14 of 18 in cluster R**

**Relative:**
**Higher**

**Actual:**
**137 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-605875 |
| Program Type: | PBS |
| UTM X: | 592176.28683 |
| UTM Y: | 4523924.0737800002 |
| Expiration Date: | 05/15/2006 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 27741 |
| Affiliation Type: | Facility Owner |
| Company Name: | 2328 UNIVERSITY AVENUE CORPORATION EST.H.SADLOWSKA |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 41-37 74TH STREET |
| Address2: | Not reported |
| City: | ELMHURST |
| State: | NY |
| Zip Code: | 11373 |
| Country Code: | 001 |
| Phone: | (212) 737-2731 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 27741 |
| Affiliation Type: | Mail Contact |

**2328 UNIAVE CORP. (Continued)** **A100178127**

| | |
|---|---|
| Company Name: | ESTATE OF HELENA SADLOWSKA |
| Contact Type: | Not reported |
| Contact Name: | DR.JADWIGA PAWLOWSK, EXEC |
| Address1: | 41-37 74TH STREET |
| Address2: | Not reported |
| City: | ELMHURST, |
| State: | NY |
| Zip Code: | 11373 |
| Country Code: | 001 |
| Phone: | (212) 737-2731 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 27741 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2328 UNIAVE CORP. |
| Contact Type: | Not reported |
| Contact Name: | OSVALDO FIGUEROA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 365-6311 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 27741 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 2328 UNIVERSITY AVENUE CORPORATION EST.H.SADLOWSKA |
| Contact Type: | Not reported |
| Contact Name: | OSVALDO FIGUEROA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 365-6311 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 60636 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

**2328 UNIAVE CORP. (Continued)** **A100178127**

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
G03 - Tank Secondary Containment - Vault (w/o access)
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | Not reported |
| Capacity Gallons: | 2000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

---

**R152** **2316 UNIVERSITY AVENUE** **NY AST** **U003395364**
**ESE** **2316 UNIVERSITY AVENUE** **NY HIST AST** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.238 mi.**
**1257 ft.** **Site 15 of 18 in cluster R**

**Relative:**
**Higher**

**Actual:**
**137 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-509302 |
| Program Type: | PBS |
| UTM X: | 592158.50072000001 |
| UTM Y: | 4523897.0941300001 |
| Expiration Date: | 06/30/2014 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 21758 |
| Affiliation Type: | Mail Contact |
| Company Name: | 2316 UNIVERSITY LLC |
| Contact Type: | Not reported |
| Contact Name: | SOLAR REALTY MANAGMENT CORP. |
| Address1: | 57 W 38TH STREET |
| Address2: | 2ND FLR |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10118 |
| Country Code: | 001 |
| Phone: | (212) 633-9985 |
| EMail: | Not reported |
| Fax Number: | Not reported |

**2316 UNIVERSITY AVENUE (Continued)** **U003395364**

| | |
|---|---|
| Modified By: | CGFREEDM |
| Date Last Modified: | 11/8/2007 |

| | |
|---|---|
| Site Id: | 21758 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2316 UNIVERSITY AVENUE |
| Contact Type: | Not reported |
| Contact Name: | CLADRO |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (212) 633-9985 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | CGFREEDM |
| Date Last Modified: | 11/8/2007 |

| | |
|---|---|
| Site Id: | 21758 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 2316 UNIVERSTY LLC |
| Contact Type: | Not reported |
| Contact Name: | BATJ CAPIN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (212) 633-9985 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | CGFREEDM |
| Date Last Modified: | 11/8/2007 |

| | |
|---|---|
| Site Id: | 21758 |
| Affiliation Type: | Facility Owner |
| Company Name: | 2316 UNIVERSTY LLC |
| Contact Type: | COMPLIANCE |
| Contact Name: | ASLA CAPIN |
| Address1: | PO BOX 1969 - JAF STATION |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10116 |
| Country Code: | 001 |
| Phone: | Not reported |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | CGFREEDM |
| Date Last Modified: | 11/8/2007 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |

**2316 UNIVERSITY AVENUE (Continued)** **U003395364**

| | |
|---|---|
| Tank Id: | 39672 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

| | |
|---|---|
| | H99 - Tank Leak Detection - Other |
| | J00 - Dispenser - None |
| | D00 - Pipe Type - No Piping |
| | G00 - Tank Secondary Containment - None |
| | B00 - Tank External Protection - None |
| | F00 - Pipe External Protection - None |
| | C00 - Pipe Location - No Piping |
| | A00 - Tank Internal Protection - None |
| | I00 - Overfill - None |
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 11/24/1992 |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | msbaptis |
| Last Modified: | 01/19/2007 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-509302 |
| SWIS Code: | 6001 |
| Operator: | ROBERT SENA |
| Facility Phone: | (914) 964-0554 |
| Facility Addr2: | 2316 UNIVERSITY AVENUE |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | ROBERT SENA |
| Emergency Tel: | (914) 964-0554 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | 2316 UNIVERSITY AVE. ASSOCIATES C/O TOTAL REALTY |
| Owner Address: | 733 YONKERS AVENUE |
| Owner City,St,Zip: | YONKERS, NY 10704 |
| Federal ID: | Not reported |
| Owner Tel: | (914) 964-0554 |
| Owner Type: | Private Resident |
| Owner Subtype: | Not reported |
| Mailing Contact: | ROBERT SENA |
| Mailing Name: | 2316 UNIVERSITY AVE. ASSOCIATES |
| Mailing Address: | C/O TOTAL REALTY |
| Mailing Address 2: | 733 YONKERS AVENUE |
| Mailing City,St,Zip: | YONKERS, NY 10704 |
| Mailing Telephone: | (914) 964-0554 |
| Owner Mark: | Second Owner |

**2316 UNIVERSITY AVENUE (Continued)** **U003395364**

| | |
|---|---|
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 11/24/2000 |
| Expiration: | 12/05/2005 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 4000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 4000 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | Not reported |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | None |
| Leak Detection: | 9 |
| Overfill Protection: | Not reported |
| Dispenser Method: | Not reported |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**U153** **CON EDISON** **NY MANIFEST** **S117058749**
**SE** **2230 UNIVERSITY AVE** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.239 mi.**
**1264 ft.** **Site 5 of 6 in cluster U**

**Relative:**
**Higher**

**Actual:**
**144 ft.**

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYP004508834 |
| Country: | USA |

Mailing Info:

**CON EDISON (Continued)** **S117058749**

| | |
|---|---|
| Name: | CON EDISON |
| Contact: | TOM TEELING |
| Address: | 4 IRVING PLACE - 15TH FLOOR |
| City/State/Zip: | NEW YORK, NY 10003 |
| Country: | USA |
| Phone: | 212-460-3770 |

Manifest:

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD003812047 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 04/23/2014 |
| Trans1 Recv Date: | 04/23/2014 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 04/25/2014 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004508834 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | Not reported |
| Quantity: | 1000 |
| Units: | P - Pounds |
| Number of Containers: | 1 |
| Container Type: | TT - Cargo tank, tank trucks |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 1 |
| Year: | 2014 |
| Manifest Tracking Num: | 002418356GBF |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H110 |

---

**U154** **2265 UNIVERSITY AVE OWNERS,INC.** **NY AST** **U003391746**
**SE** **2265 UNIVERSITY AVE** **NY HIST AST** **N/A**
**1/8-1/4** **BRONX, NY 10453**
**0.241 mi.**
**1273 ft.** **Site 6 of 6 in cluster U**

**Relative:**
**Higher**

**Actual:**
**145 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-362484 |
| Program Type: | PBS |
| UTM X: | 592072.27549000003 |

**2265 UNIVERSITY AVE OWNERS,INC. (Continued)** **U003391746**

| | |
|---|---|
| UTM Y: | 4523788.4327199999 |
| Expiration Date: | 10/06/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 18337 |
| Affiliation Type: | Facility Owner |
| Company Name: | SKYLINE NY MANAGEMENT SOLUTION |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 141 HALSTEAD AVENUE |
| Address2: | Not reported |
| City: | MAMARONECK |
| State: | NY |
| Zip Code: | 10543 |
| Country Code: | 001 |
| Phone: | (914) 813-1900 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 10/25/2013 |

| | |
|---|---|
| Site Id: | 18337 |
| Affiliation Type: | Mail Contact |
| Company Name: | 2265 UNIVERSITY AVE OWNERS INC |
| Contact Type: | Not reported |
| Contact Name: | NANCY RODRIGUEZ |
| Address1: | % SKYLINE NY MANAGEMENT SOLUTION |
| Address2: | 141 HALSTEAD AVENUE |
| City: | MAMARONECK |
| State: | NY |
| Zip Code: | 10453 |
| Country Code: | 001 |
| Phone: | (914) 813-1900 |
| EMail: | NCR2960@AOL.COM |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 10/25/2013 |

| | |
|---|---|
| Site Id: | 18337 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2265 UNIVERSITY AVE OWNERS,INC. |
| Contact Type: | Not reported |
| Contact Name: | VICTOR |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (347) 232-1023 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 10/25/2013 |

| | |
|---|---|
| Site Id: | 18337 |
| Affiliation Type: | Emergency Contact |

**2265 UNIVERSITY AVE OWNERS,INC. (Continued)** **U003391746**

| | |
|---|---|
| Company Name: | SKYLINE NY MANAGEMENT SOLUTION |
| Contact Type: | Not reported |
| Contact Name: | NANCY RODRIGUEZ |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (914) 813-1900 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 10/25/2013 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 22195 |
| Material Code: | 0002 |
| Common Name of Substance: | #4 Fuel Oil (On-Site Consumption) |

Equipment Records:

L00 - Piping Leak Detection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
K00 - Spill Prevention - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1936 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | NRLOMBAR |
| Last Modified: | 10/25/2013 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-362484 |
| SWIS Code: | 6001 |
| Operator: | JOSE RODRINGUEZ |
| Facility Phone: | (718) 536-9090 |
| Facility Addr2: | 2265 UNIVERSITY AVE |

**2265 UNIVERSITY AVE OWNERS,INC. (Continued)** **U003391746**

| | |
|---|---|
| Facility Type: | APARTMENT BUILDING |
| Emergency: | MIGDALIA DEJESUS |
| Emergency Tel: | (718) 933-0600 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | 2265 UNIVERSITY AVE OWNERS,INC. |
| Owner Address: | 2960 WEBSTER AVENUE |
| Owner City,St,Zip: | BRONX, NY 10458 |
| Federal ID: | Not reported |
| Owner Tel: | (718) 933-0600 |
| Owner Type: | Private Resident |
| Owner Subtype: | Not reported |
| Mailing Contact: | MIGDALIA DEJSUS |
| Mailing Name: | INTERBORO HOLDING CORP |
| Mailing Address: | 2960 WEBSTER AVENUE |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10458 |
| Mailing Telephone: | (718) 933-0600 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 12/15/1999 |
| Expiration: | 10/06/2002 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 5000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |
| | |
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 5000 |
| Product Stored: | DIESEL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | None |
| Leak Detection: | 0 |
| Overfill Protection: | 4 |

**2265 UNIVERSITY AVE OWNERS,INC. (Continued)** **U003391746**

| | |
|---|---|
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**V155** **ST.NICHOLAS OF TOLENTINE** **NY LTANKS** **S102618897**
**ESE** **2345 UNIVERSITY AVE** **N/A**
**1/8-1/4** **BRONX, NY**
**0.242 mi.**
**1279 ft.** **Site 1 of 3 in cluster V**

**Relative:**
**Higher**

**Actual:**
**136 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 264823 |
| Spill Number/Closed Date: | 9702784 / 8/30/2004 |
| Spill Date: | 5/22/1997 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | SIGONA |
| Referred To: | Not reported |
| Reported to Dept: | 6/4/1997 |
| CID: | 257 |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 6/4/1997 |
| Spill Record Last Update: | 8/30/2004 |
| Spiller Name: | REV JOHN DELARUSSO |
| Spiller Company: | ST.NICHOLAS OF TOLENTINE |
| Spiller Address: | 2345 UNIVERSITY AVE |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller County: | 001 |
| Spiller Contact: | REV JOHN DELARUSSO |
| Spiller Phone: | (718) 295-6800 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 215808 |
| DEC Memo: | Not reported |
| Remarks: | POSS CONNECTION TO SPILL # 8706856 |

Material:

| | |
|---|---|
| Site ID: | 264823 |
| Operable Unit ID: | 1045514 |
| Operable Unit: | 01 |

**ST.NICHOLAS OF TOLENTINE (Continued)** **S102618897**

| | |
|---|---|
| Material ID: | 335716 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**V156** **ST NICHOLAS OF TOLENTINE CHURCH** **NY UST** **U003127703**
**ESE** **2345 UNIVERSITY AVENUE** **NY HIST UST** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.242 mi.**
**1279 ft.** **Site 2 of 3 in cluster V**

**Relative:**
**Higher**

**Actual:**
**136 ft.**

UST:

| | |
|---|---|
| Id/Status: | 2-246336 / Active |
| Program Type: | PBS |
| Region: | STATE |
| DEC Region: | 2 |
| Expiration Date: | 07/07/2017 |
| UTM X: | 592190.74367 |
| UTM Y: | 4523967.8880099999 |
| Site Type: | School |

Affiliation Records:

| | |
|---|---|
| Site Id: | 9628 |
| Affiliation Type: | Facility Owner |
| Company Name: | ST NICHOLAS OF TOLENTINE CHRCH |
| Contact Type: | PASTOR |
| Contact Name: | FR. JOSEPH GIRONE, O.S.A. |
| Address1: | 2345 UNIVERISTY AVE |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10468 |
| Country Code: | 001 |
| Phone: | (718) 295-6800 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 3/28/2007 |

| | |
|---|---|
| Site Id: | 9628 |
| Affiliation Type: | Mail Contact |
| Company Name: | ST NICHOLAS OF TOLENTINE CHURCH |
| Contact Type: | Not reported |
| Contact Name: | FR. JOSEPH GIRONE O.S.A. |
| Address1: | 2345 UNIVERISTY AVENUE |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10468 |

**ST NICHOLAS OF TOLENTINE CHURCH (Continued)** **U003127703**

| | |
|---|---|
| Country Code: | 001 |
| Phone: | (718) 295-6800 |
| EMail: | PASTOR@TOLENTINEBRONX.ORG |
| Fax Number: | Not reported |
| Modified By: | DMMOLOUG |
| Date Last Modified: | 7/26/2012 |

| | |
|---|---|
| Site Id: | 9628 |
| Affiliation Type: | On-Site Operator |
| Company Name: | ST NICHOLAS OF TOLENTINE CHURCH |
| Contact Type: | Not reported |
| Contact Name: | ST NICHOLAS OF TOLENTINE CHURCH |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 295-6800 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 3/28/2007 |

| | |
|---|---|
| Site Id: | 9628 |
| Affiliation Type: | Emergency Contact |
| Company Name: | ST NICHOLAS OF TOLENTINE CHRCH |
| Contact Type: | Not reported |
| Contact Name: | JESUS LIRIANO |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 295-6800 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | DMMOLOUG |
| Date Last Modified: | 7/26/2012 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank ID: | 10563 |
| Tank Status: | In Service |
| Material Name: | In Service |
| Capacity Gallons: | 7500 |
| Install Date: | 01/01/1950 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

| | |
|---|---|
| Tightness Test Method: | 21 |

**ST NICHOLAS OF TOLENTINE CHURCH (Continued)** **U003127703**

| | |
|---|---|
| Date Test: | 01/18/2012 |
| Next Test Date: | 01/18/2017 |
| Pipe Model: | Not reported |
| Modified By: | DMMOLOUG |
| Last Modified: | 07/26/2012 |

Equipment Records:

B00 - Tank External Protection - None
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G03 - Tank Secondary Containment - Vault (w/o access)
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I05 - Overfill - Vent Whistle

| | |
|---|---|
| Tank Number: | 002 |
| Tank ID: | 10564 |
| Tank Status: | In Service |
| Material Name: | In Service |
| Capacity Gallons: | 7500 |
| Install Date: | 01/01/1950 |
| Date Tank Closed: | Not reported |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

| | |
|---|---|
| Tightness Test Method: | 21 |
| Date Test: | 01/18/2012 |
| Next Test Date: | 01/18/2017 |
| Pipe Model: | Not reported |
| Modified By: | DMMOLOUG |
| Last Modified: | 07/26/2012 |

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
I05 - Overfill - Vent Whistle
G03 - Tank Secondary Containment - Vault (w/o access)
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

**ST NICHOLAS OF TOLENTINE CHURCH (Continued)** **U003127703**

HIST UST:

| | |
|---|---|
| PBS Number: | 2-246336 |
| SPDES Number: | Not reported |
| Emergency Contact: | SHORE LINE FUEL |
| Emergency Telephone: | (212) 742-1122 |
| Operator: | ST NICHOLAS OF TOLENTINE CHRCH |
| Operator Telephone: | (212) 295-6800 |
| Owner Name: | ST NICHOLAS OF TOLENTINE CHRCH |
| Owner Address: | 2345 UNIVERISTY AVE |
| Owner City,St,Zip: | BRONX, NY 10468 |
| Owner Telephone: | (212) 295-6800 |
| Owner Type: | Private Resident |
| Owner Subtype: | Not reported |
| Mailing Name: | ST NICHOLAS OF TOLENTINE CHRCH |
| Mailing Address: | 2345 UNIVERISTY AVE |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10468 |
| Mailing Contact: | JOHN DELLO RUSSO, OSA |
| Mailing Telephone: | (212) 295-6800 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Facility Addr2: | 2345 UNIVERISTY AVE |
| SWIS ID: | 6001 |
| Old PBS Number: | Not reported |
| Facility Type: | OTHER |
| Inspected Date: | Not reported |
| Inspector: | Not reported |
| Inspection Result: | Not reported |
| Federal ID: | Not reported |
| Certification Flag: | False |
| Certification Date: | 07/14/2000 |
| Expiration Date: | 07/07/2002 |
| Renew Flag: | False |
| Renewal Date: | Not reported |
| Total Capacity: | 13400 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City: | 01 |
| Region: | 2 |
| | |
| Tank Id: | 001 |
| Tank Location: | UNDERGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (gals): | 6700 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |

**ST NICHOLAS OF TOLENTINE CHURCH (Continued)** **U003127703**

| | |
|---|---|
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Second Containment: | Diking |
| Leak Detection: | None |
| Overfill Prot: | Product Level Gauge |
| Dispenser: | Suction |
| Date Tested: | 08/02/1997 |
| Next Test Date: | 08/02/2002 |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | 21 |
| Deleted: | False |
| Updated: | True |
| Lat/long: | Not reported |

| | |
|---|---|
| Tank Id: | 002 |
| Tank Location: | UNDERGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (gals): | 6700 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Second Containment: | Diking |
| Leak Detection: | None |
| Overfill Prot: | Product Level Gauge |
| Dispenser: | Suction |
| Date Tested: | 05/22/1997 |
| Next Test Date: | 05/22/2002 |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | 21 |
| Deleted: | False |
| Updated: | True |
| Lat/long: | Not reported |

---

**T157** **2435 DEVOE TERRACE** **NY AST** **U003384625**
**ENE** **2435 DEVOE TERRACE** **NY HIST AST** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.246 mi.**
**1299 ft.** **Site 3 of 3 in cluster T**

**Relative:**
**Higher**

**Actual:**
**132 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-116270 |
| Program Type: | PBS |
| UTM X: | 592163.37430000002 |
| UTM Y: | 4524302.6296300003 |

**2435 DEVOE TERRACE (Continued)** **U003384625**

| | |
|---|---|
| Expiration Date: | 03/24/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 3901 |
| Affiliation Type: | Facility Owner |
| Company Name: | 2435 DEVOE ASSOCIATES LLC |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | P.O. BOX 198 |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10461 |
| Country Code: | 001 |
| Phone: | (718) 892-9200 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 6/6/2014 |

| | |
|---|---|
| Site Id: | 3901 |
| Affiliation Type: | Mail Contact |
| Company Name: | WEISS REALTY LLC |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | P.O. BOX 198 |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10461 |
| Country Code: | 001 |
| Phone: | (718) 892-9200 |
| EMail: | KYUSTMAN@WEISSREALTYLLC.COM |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 6/6/2014 |

| | |
|---|---|
| Site Id: | 3901 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2435 DEVOE TERR |
| Contact Type: | Not reported |
| Contact Name: | BRUCE SWIEDLER |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (914) 391-8299 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 6/6/2014 |

| | |
|---|---|
| Site Id: | 3901 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 2435 DEVOE ASSOCIATES LLC |

**2435 DEVOE TERRACE (Continued)** **U003384625**

| | |
|---|---|
| Contact Type: | Not reported |
| Contact Name: | KENNETH YUSTMAN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 892-9200 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 6/6/2014 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 4118 |
| Material Code: | 0003 |
| Common Name of Substance: | #6 Fuel Oil (On-Site Consumption) |

Equipment Records:

F06 - Pipe External Protection - Wrapped
I05 - Overfill - Vent Whistle
K00 - Spill Prevention - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G10 - Tank Secondary Containment - Impervious Underlayment
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 05/20/1960 |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | NRLOMBAR |
| Last Modified: | 06/06/2014 |
| Material Name: | #6 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-116270 |
| SWIS Code: | 6001 |
| Operator: | RAMON RAMIREZ |
| Facility Phone: | (718) 365-8280 |
| Facility Addr2: | 2435 DEVOE TERRACE |

**2435 DEVOE TERRACE (Continued)** **U003384625**

| | |
|---|---|
| Facility Type: | APARTMENT BUILDING |
| Emergency: | MANUEL ROBAYO |
| Emergency Tel: | (718) 892-9412 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | WEISS REALTY LLC |
| Owner Address: | 3240 EAST TREMONT AVE |
| Owner City,St,Zip: | BRONX, NY 10461 |
| Federal ID: | Not reported |
| Owner Tel: | (718) 892-9200 |
| Owner Type: | Private Resident |
| Owner Subtype: | Not reported |
| Mailing Contact: | Not reported |
| Mailing Name: | WEISS REALTY LLC |
| Mailing Address: | 3240 EAST TREMONT AVE |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10461 |
| Mailing Telephone: | (718) 892-9200 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 02/28/1997 |
| Expiration: | 03/24/2002 |
| Renew Flag: | False |
| Renew Date: | 11/13/2001 |
| Total Capacity: | 4000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |
| | |
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 4000 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | None |
| Leak Detection: | 0 |
| Overfill Protection: | 4 |

**2435 DEVOE TERRACE (Continued)** **U003384625**

| | |
|---|---|
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | False |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**V158** **CLOSED-LACKOF RECENT INFO** **NY LTANKS** **S100144865**
**ESE** **2345 UNIVERSITY AVE.** **N/A**
**1/8-1/4** **NEW YORK CITY, NY**
**0.248 mi.**
**1308 ft.** **Site 3 of 3 in cluster V**

**Relative:**
**Higher**

**Actual:**
**131 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 291544 |
| Spill Number/Closed Date: | 8706856 / 3/4/2003 |
| Spill Date: | 11/12/1987 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | ADMIN. CLOSED |
| Referred To: | Not reported |
| Reported to Dept: | 11/12/1987 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 11/17/1987 |
| Spill Record Last Update: | 8/30/2004 |
| Spiller Name: | Not reported |
| Spiller Company: | ST.NICHOLAS OF TOLENTINE |
| Spiller Address: | 2345 UNIVERSITY AVE. |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 236071 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ADMIN.CLOSED"03/04/2003-Closed Due To The Nature / Extent Of The Spill Report8/30/2004 cross ref spill #9702784 |
| Remarks: | (2) TANK 6500 CAPACITY SYSTEM FAILED WITH A LEAK RATE OF .78 G/HR. WILL EXCAVATE, ISOLATE, AND RETEST.CLOSED DUE TO LACK OF ANY RECENT INFO- DOES NOT MEET ANY CLEAN UP REQUIREMENT. |

**CLOSED-LACKOF RECENT INFO (Continued)** **S100144865**

Material:

| | |
|---|---|
| Site ID: | 291544 |
| Operable Unit ID: | 912715 |
| Operable Unit: | 01 |
| Material ID: | 554878 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | -1 |
| Units: | Pounds |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 291544 |
| Spill Tank Test: | 1532245 |
| Tank Number: | Not reported |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |

---

**R159** **CON EDISON** **NY HIST AST** **S107784314**
**ESE** **2294 UNIVERSITY AV** **NY MANIFEST** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.248 mi.**
**1310 ft.** **Site 16 of 18 in cluster R**

**Relative:**
**Higher**

**Actual:**
**138 ft.**

HIST AST:

| | |
|---|---|
| PBS Number: | 2-605503 |
| SWIS Code: | 6001 |
| Operator: | SAMNAUTH RAGOO |
| Facility Phone: | (718) 293-7256 |
| Facility Addr2: | Not reported |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | ESTELA HERNANDEZ |
| Emergency Tel: | (718) 652-2650 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | OUDHORAM RAGOO |
| Owner Address: | 115 E. MOSHOLU PK N |
| Owner City,St,Zip: | BRONX, NY 10467 |
| Federal ID: | Not reported |
| Owner Tel: | (718) 515-8107 |
| Owner Type: | Private Resident |
| Owner Subtype: | Not reported |
| Mailing Contact: | ROGER RAGOO |
| Mailing Name: | O. RAGOO |
| Mailing Address: | 115 E. MOSHOLU PK N |

**CON EDISON (Continued)** **S107784314**

| | |
|---|---|
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10467 |
| Mailing Telephone: | (718) 515-8107 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 04/02/2001 |
| Expiration: | 03/29/2006 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 3000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | Minor Data Missing |
| Tank Screen: | No Missing Data |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 3000 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | 0 |
| Tank External: | 0 |
| Pipe Location: | Aboveground |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | None |
| Pipe External: | 5 |
| Tank Containment: | Double-Walled |
| Leak Detection: | 5 |
| Overfill Protection: | 6 |
| Dispenser Method: | Gravity |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | No Missing Data |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYP004501599 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | CON EDISON |

**CON EDISON (Continued)** **S107784314**

| | |
|---|---|
| Contact: | CON EDISON |
| Address: | 4 IRVING PL |
| Address 2: | 15TH FL |
| City/State/Zip: | NEW YORK, NY 10003 |
| Country: | USA |
| Phone: | Not reported |

Manifest:

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD003812047 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 04/15/2014 |
| Trans1 Recv Date: | 04/15/2014 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 04/16/2014 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004501599 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | Not reported |
| Quantity: | 1000 |
| Units: | P - Pounds |
| Number of Containers: | 1 |
| Container Type: | TT - Cargo tank, tank trucks |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 1 |
| Year: | 2014 |
| Manifest Tracking Num: | 002359986GBF |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H110 |

---

**R160** **2294 UNIVERSITY AVENUE** **NY AST** **A100175744**
**ESE** **2294 UNIVERSITY AVENUE** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.248 mi.**
**1310 ft.** **Site 17 of 18 in cluster R**

**Relative:**
**Higher**

**Actual:**
**138 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-605503 |
| Program Type: | PBS |
| UTM X: | 592125.90540000005 |

**2294 UNIVERSITY AVENUE (Continued)** **A100175744**

| | |
|---|---|
| UTM Y: | 4523847.7242400004 |
| Expiration Date: | 02/08/2016 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 27371 |
| Affiliation Type: | Mail Contact |
| Company Name: | FINKELSTIEIN MORGAN RE |
| Contact Type: | Not reported |
| Contact Name: | STEVE A FINKELSTEIN |
| Address1: | 111 BROOK ST 2ND FL |
| Address2: | Not reported |
| City: | SCARSDALE |
| State: | NY |
| Zip Code: | 10583 |
| Country Code: | 001 |
| Phone: | (914) 472-4900 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 11/23/2010 |

| | |
|---|---|
| Site Id: | 27371 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2294 UNIVERSITY AVENUE |
| Contact Type: | Not reported |
| Contact Name: | JUAN DONES |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 733-4702 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 11/23/2010 |

| | |
|---|---|
| Site Id: | 27371 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 2294-2300 LLC |
| Contact Type: | Not reported |
| Contact Name: | JOSHUA SIEGEL |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (914) 548-1500 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KXTANG |
| Date Last Modified: | 2/8/2006 |

| | |
|---|---|
| Site Id: | 27371 |
| Affiliation Type: | Facility Owner |

**2294 UNIVERSITY AVENUE (Continued)** **A100175744**

| | |
|---|---|
| Company Name: | 2294-2300 LLC |
| Contact Type: | OWNER |
| Contact Name: | STEVE A FINKELSTEIN |
| Address1: | 111 BROOK ST 2ND FL |
| Address2: | Not reported |
| City: | SCARSDALE |
| State: | NY |
| Zip Code: | 10583 |
| Country Code: | 001 |
| Phone: | (914) 472-4900 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 11/23/2010 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 59981 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
F05 - Pipe External Protection - Jacketed
I05 - Overfill - Vent Whistle
G99 - Tank Secondary Containment - Other
K00 - Spill Prevention - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1923 |
| Capacity Gallons: | 3000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | BVCAMPBE |
| Last Modified: | 11/23/2010 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

**R161 ESE 1/8-1/4 0.248 mi. 1310 ft.** | **2300 UNIVERSITY AVENUE**
**2300 UNIVERSITY AVENUE**
**BRONX, NY 10468** | **NY AST** | **A100175749**
**N/A**

**Site 18 of 18 in cluster R**

**Relative: Higher**

**Actual: 138 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-605508 |
| Program Type: | PBS |
| UTM X: | 592134.84143000003 |
| UTM Y: | 4523861.1590400003 |
| Expiration Date: | 02/08/2016 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 27376 |
| Affiliation Type: | Mail Contact |
| Company Name: | FINKELSTEIN MORGAN RE |
| Contact Type: | Not reported |
| Contact Name: | STEVEN FINKELSTEIN |
| Address1: | 111 BROOK ST 2ND FLOOR |
| Address2: | Not reported |
| City: | SCARSDALE |
| State: | NY |
| Zip Code: | 10583 |
| Country Code: | 001 |
| Phone: | (914) 472-4800 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 11/23/2010 |

| | |
|---|---|
| Site Id: | 27376 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2300 UNIVERSITY AVENUE |
| Contact Type: | Not reported |
| Contact Name: | JUAN DONES |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (646) 316-7474 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 11/23/2010 |

| | |
|---|---|
| Site Id: | 27376 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 2294-2300 LLC |
| Contact Type: | Not reported |
| Contact Name: | JOSHUA SIEGEL |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |

**2300 UNIVERSITY AVENUE (Continued)** **A100175749**

| | |
|---|---|
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (914) 548-1500 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KXTANG |
| Date Last Modified: | 2/8/2006 |

| | |
|---|---|
| Site Id: | 27376 |
| Affiliation Type: | Facility Owner |
| Company Name: | 2294-2300 LLC |
| Contact Type: | OWNER |
| Contact Name: | STEVEN FINKELSTEIN |
| Address1: | 111 BROOK ST 2ND FLOOR |
| Address2: | Not reported |
| City: | SCARSDALE |
| State: | NY |
| Zip Code: | 10583 |
| Country Code: | 001 |
| Phone: | (914) 472-4800 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | BVCAMPBE |
| Date Last Modified: | 11/23/2010 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 59986 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
F05 - Pipe External Protection - Jacketed
I05 - Overfill - Vent Whistle
G99 - Tank Secondary Containment - Other
K00 - Spill Prevention - None
B01 - Tank External Protection - Painted/Asphalt Coating
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1923 |
| Capacity Gallons: | 3000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |

**2300 UNIVERSITY AVENUE (Continued)** **A100175749**

| | |
|---|---|
| Register: | True |
| Modified By: | BVCAMPBE |
| Last Modified: | 11/23/2010 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

---

**W162 SE 1/8-1/4 0.248 mi. 1312 ft.** | **2240 LLC** | **NY AST** | **A100168848**
**2240 UNIVERSITY AVE** | **N/A**
**BRONX, NY 10453**

**Site 1 of 3 in cluster W**

**Relative: Higher**

**Actual: 144 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-219509 |
| Program Type: | PBS |
| UTM X: | 591903.48881000001 |
| UTM Y: | 4523506.4301399998 |
| Expiration Date: | 09/19/2015 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 8415 |
| Affiliation Type: | Mail Contact |
| Company Name: | 2240 LLC C/O CHESTNUT HOLDING |
| Contact Type: | FIELD MANAGER |
| Contact Name: | SEFIK GUNES |
| Address1: | 5676 RIVERDALE AVE, SUITE 307 |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10471 |
| Country Code: | 001 |
| Phone: | (718) 543-8200 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KXTANG |
| Date Last Modified: | 9/19/2005 |

| | |
|---|---|
| Site Id: | 8415 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2240 LLC |
| Contact Type: | Not reported |
| Contact Name: | JOSE THEN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (917) 219-0121 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KXTANG |
| Date Last Modified: | 9/19/2005 |

| | |
|---|---|
| Site Id: | 8415 |

**2240 LLC (Continued)** **A100168848**

| | |
|---|---|
| Affiliation Type: | Emergency Contact |
| Company Name: | 2240 LLC C/O CHESTNUT HOLDING |
| Contact Type: | Not reported |
| Contact Name: | SEFIK GUNES |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (718) 543-8200 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KXTANG |
| Date Last Modified: | 9/19/2005 |

| | |
|---|---|
| Site Id: | 8415 |
| Affiliation Type: | Facility Owner |
| Company Name: | 2240 LLC C/O CHESTNUT HOLDING |
| Contact Type: | FIELD MANAGER |
| Contact Name: | SEFIK GUNES |
| Address1: | 5676 RIVERDALE AVE, SUITE 307 |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10471 |
| Country Code: | 001 |
| Phone: | (718) 543-8200 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KXTANG |
| Date Last Modified: | 9/19/2005 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 24120 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

Equipment Records:

L09 - Piping Leak Detection - Exempt Suction Piping
J02 - Dispenser - Suction Dispenser
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
K00 - Spill Prevention - None
B00 - Tank External Protection - None
I05 - Overfill - Vent Whistle
G00 - Tank Secondary Containment - None
E00 - Piping Secondary Containment - None
C01 - Pipe Location - Aboveground
H04 - Tank Leak Detection - Groundwater Well

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |

**2240 LLC (Continued)** **A100168848**

| | |
|---|---|
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 06/10/1968 |
| Capacity Gallons: | 4000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | MSBAPTIS |
| Last Modified: | 06/29/2010 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

---

**W163**
**SE**
**1/8-1/4**
**0.248 mi.**
**1312 ft.**

**2240 UNIVERSITY AVENUE**
**2240 UNIVERSITY AVE**
**BRONX, NY 10453**

**NY HIST AST** **S107781572**
**NY MANIFEST** **N/A**

**Site 2 of 3 in cluster W**

**Relative:**
**Higher**

**Actual:**
**144 ft.**

HIST AST:

| | |
|---|---|
| PBS Number: | 2-219509 |
| SWIS Code: | 6001 |
| Operator: | MILCIO |
| Facility Phone: | (718) 563-0228 |
| Facility Addr2: | 2240 UNIVERSITY AVE |
| Facility Type: | APARTMENT BUILDING |
| Emergency: | MILCIO |
| Emergency Tel: | (718) 563-0228 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | TWENTY-TWO-FORTY ASSOC. LLC |
| Owner Address: | P.O. BOX 1076 COOPER STATION |
| Owner City,St,Zip: | NEW YORK, NY 10276-1076 |
| Federal ID: | Not reported |
| Owner Tel: | (212) 228-8975 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | JOE HAIMOF |
| Mailing Name: | TWENTY-TWO-FORTY ASSOC. LLC |
| Mailing Address: | P.O. BOX 1076 |
| Mailing Address 2: | COOPER STATION |
| Mailing City,St,Zip: | NEW YORK, NY 10276-1076 |
| Mailing Telephone: | (212) 228-8975 |
| Owner Mark: | Second Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 10/13/2000 |
| Expiration: | 10/11/2005 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 4000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |

**2240 UNIVERSITY AVENUE (Continued)** **S107781572**

| | |
|---|---|
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 4000 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | None |
| Leak Detection: | 3 |
| Overfill Protection: | 4 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NYP004510814 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | CON EDISON |
| Contact: | TOM TEELING |
| Address: | 4 IRVING PLACE - 15TH FLOOR |
| City/State/Zip: | NEW YORK, NY 10003 |
| Country: | USA |
| Phone: | Not reported |

Manifest:

| | |
|---|---|
| Document ID: | Not reported |
| Manifest Status: | Not reported |
| Trans1 State ID: | NJD003812047 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 04/24/2014 |
| Trans1 Recv Date: | 04/24/2014 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 04/25/2014 |

**2240 UNIVERSITY AVENUE (Continued)** **S107781572**

| | |
|---|---|
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NYP004510814 |
| Trans1 EPA ID: | Not reported |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | Not reported |
| Quantity: | 500 |
| Units: | P - Pounds |
| Number of Containers: | 1 |
| Container Type: | TT - Cargo tank, tank trucks |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 1 |
| Year: | 2014 |
| Manifest Tracking Num: | 002418376GBF |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | N |
| Discr Residue Ind: | N |
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not reported |
| Alt Fac RCRA Id: | Not reported |
| Alt Fac Sign Date: | Not reported |
| Mgmt Method Type Code: | H110 |

---

**X164** **MULTIPLE DWELLING** **NY AST** **U003389945**
**ENE** **2432-34 WEBB AVE** **NY HIST AST** **N/A**
**1/8-1/4** **BRONX, NY 10468**
**0.250 mi.**
**1318 ft.** **Site 1 of 2 in cluster X**

**Relative:**
**Higher**

**Actual:**
**128 ft.**

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-360538 |
| Program Type: | PBS |
| UTM X: | 592176.34949000005 |
| UTM Y: | 4524335.36271 |
| Expiration Date: | 12/30/2017 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 18166 |
| Affiliation Type: | Facility Owner |
| Company Name: | 2432 WEBB AVENUE LLC |
| Contact Type: | MEMBER |
| Contact Name: | STUART MORGAN |
| Address1: | 41 WEST PUTNAM AVE |
| Address2: | Not reported |
| City: | GREENWICH |
| State: | CT |
| Zip Code: | 08630 |
| Country Code: | 001 |
| Phone: | (914) 574-5400 |
| EMail: | Not reported |

**MULTIPLE DWELLING (Continued)** **U003389945**

| | |
|---|---|
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 4/24/2013 |

| | |
|---|---|
| Site Id: | 18166 |
| Affiliation Type: | Mail Contact |
| Company Name: | 2432 WEBB AVE LLC |
| Contact Type: | Not reported |
| Contact Name: | STUART MORGAN |
| Address1: | 41 WEST PUTNAM AVE |
| Address2: | Not reported |
| City: | GREENWICH |
| State: | CT |
| Zip Code: | 06830 |
| Country Code: | 001 |
| Phone: | (914) 574-5400 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 4/24/2013 |

| | |
|---|---|
| Site Id: | 18166 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2432 WEBB AVENUE |
| Contact Type: | Not reported |
| Contact Name: | FRANK CASTILLO |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (917) 847-8036 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 4/24/2013 |

| | |
|---|---|
| Site Id: | 18166 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 2432 WEBB AVENUE LLC |
| Contact Type: | Not reported |
| Contact Name: | STEVEN FINKELSTEIN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (914) 472-4900 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

Tank Info:

**MULTIPLE DWELLING (Continued)** **U003389945**

Tank Number: 001
Tank Id: 55094
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
Tank Location: 1
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Tank Converted to Non-Regulated Use
Pipe Model: Not reported
Install Date: Not reported
Capacity Gallons: 3500
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 12/30/2002
Register: True
Modified By: TRANSLAT
Last Modified: 03/04/2004
Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 001
Tank Id: 17993
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G03 - Tank Secondary Containment - Vault (w/o access)
B00 - Tank External Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
Tank Location: 1
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 01/01/1929
Capacity Gallons: 3500
Tightness Test Method: NN
Date Test: Not reported

**MULTIPLE DWELLING (Continued)** **U003389945**

| | |
|---|---|
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | KAKYER |
| Last Modified: | 04/24/2013 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

Affiliation Records:

| | |
|---|---|
| Site Id: | 25563 |
| Affiliation Type: | Facility Owner |
| Company Name: | BUKOLLA PROPERTIES III, INC |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 29 EAST MOSHLOU PKWY.N |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10467 |
| Country Code: | 001 |
| Phone: | (718) 519-8383 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 25563 |
| Affiliation Type: | Mail Contact |
| Company Name: | BUKOLLA PROPERTIES II, INC. |
| Contact Type: | Not reported |
| Contact Name: | LUAN REXHEPI |
| Address1: | 29 EAS MOSHOLU PKWY. N. |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10467 |
| Country Code: | 001 |
| Phone: | (718) 519-8383 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 25563 |
| Affiliation Type: | On-Site Operator |
| Company Name: | BUKOLLA PROPERTIES III, INC. |
| Contact Type: | Not reported |
| Contact Name: | LUAN REXHEPI |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 519-8383 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |

**MULTIPLE DWELLING (Continued)** **U003389945**

Date Last Modified: 3/4/2004

Site Id: 25563
Affiliation Type: Emergency Contact
Company Name: BUKOLLA PROPERTIES III, INC
Contact Type: Not reported
Contact Name: LUAN REXHEPI
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 519-8383
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001
Tank Id: 55094
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
Tank Location: 1
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Tank Converted to Non-Regulated Use
Pipe Model: Not reported
Install Date: Not reported
Capacity Gallons: 3500
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 12/30/2002
Register: True
Modified By: TRANSLAT
Last Modified: 03/04/2004
Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 001
Tank Id: 17993
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

**MULTIPLE DWELLING (Continued)** **U003389945**

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G03 - Tank Secondary Containment - Vault (w/o access)
B00 - Tank External Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 01/01/1929 |
| Capacity Gallons: | 3500 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | KAKYER |
| Last Modified: | 04/24/2013 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-360538 |
| SWIS Code: | 6001 |
| Operator: | VINCENT WALLACE |
| Facility Phone: | (212) 933-5479 |
| Facility Addr2: | 2432 34 WEBB AVE |
| Facility Type: | Not reported |
| Emergency: | LEVITES REALTY MGMT CORP |
| Emergency Tel: | (212) 665-0940 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | WAVE-VIN INC% LEVITES REALTY |
| Owner Address: | 341 EAST 149TH STREET |
| Owner City,St,Zip: | BRONX, NY 10468 |
| Federal ID: | Not reported |
| Owner Tel: | (212) 933-5479 |
| Owner Type: | Not reported |
| Owner Subtype: | Not reported |
| Mailing Contact: | Not reported |
| Mailing Name: | WAVE-VIN INC% LEVITES REALTY |
| Mailing Address: | 341 EAST 149TH STREET |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10468 |
| Mailing Telephone: | (212) 933-5479 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is |

**MULTIPLE DWELLING (Continued)** **U003389945**

greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

| | |
|---|---|
| Certification Flag: | False |
| Certification Date: | 10/02/1987 |
| Expiration: | 10/02/1992 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 3500 |
| FAMT: | True |
| Facility Screen: | Minor Data Missing |
| Owner Screen: | Minor Data Missing |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 3500 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Tank Containment: | Diking |
| Leak Detection: | 0 |
| Overfill Protection: | 4 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | False |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**W165** **RESIDENCE** **NY LTANKS** **S104516282**
**SSE** **2237 UNIVERSITY AVE** **N/A**
**1/4-1/2** **BRONX, NY**
**0.253 mi.**
**1334 ft.** **Site 3 of 3 in cluster W**

**Relative:**
**Higher**

**Actual:**
**144 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 130593 |
| Spill Number/Closed Date: | 9911713 / 4/6/2000 |
| Spill Date: | 1/7/2000 |
| Spill Cause: | Tank Overfill |
| Spill Source: | Private Dwelling |

**RESIDENCE (Continued)** **S104516282**

| | |
|---|---|
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | MCTIBBE |
| Referred To: | Not reported |
| Reported to Dept: | 1/7/2000 |
| CID: | 252 |
| Water Affected: | Not reported |
| Spill Notifier: | Fire Department |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1/7/2000 |
| Spill Record Last Update: | 4/6/2000 |
| Spiller Name: | Not reported |
| Spiller Company: | OIL COMPANY |
| Spiller Address: | UNK |
| Spiller City,St,Zip: | ZZ |
| Spiller County: | 001 |
| Spiller Contact: | UNK |
| Spiller Phone: | (000) 000-0000 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 112525 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"CONTAINED IN BASEMENT. NO DRAINS. |
| Remarks: | SPILL IS BEING CLEANED UP BY OIL COMPANY-FIRE DEPT REMAINS ON SITETIL CLEANUP IS COMPLETE-SPILL IS STILL UNDER INVESTIGATION. |

Material:

| | |
|---|---|
| Site ID: | 130593 |
| Operable Unit ID: | 1090406 |
| Operable Unit: | 01 |
| Material ID: | 297161 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 40 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

**Y166 West 1/4-1/2 0.259 mi. 1367 ft.** | **HARLEM RIVER FACILITY**
**300 206TH STREET**
**MANHATTAN, NY**

**Site 1 of 2 in cluster Y**

**NY LTANKS** | **S104501355**
**NY Spills** | **N/A**

**Relative: Lower**

**Actual: 2 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 243745 |
| Spill Number/Closed Date: | 0104067 / 12/18/2007 |
| Spill Date: | 7/17/2001 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | True |
| SWIS: | 3101 |
| Investigator: | AXDORONO |
| Referred To: | REQUEST FOR SPILL CLOSURE |
| Reported to Dept: | 7/17/2001 |
| CID: | 382 |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 7/17/2001 |
| Spill Record Last Update: | 12/26/2007 |
| Spiller Name: | Not reported |
| Spiller Company: | NYC DOT |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | NY |
| Spiller County: | 999 |
| Spiller Contact: | LUCILLE FITZGERALD |
| Spiller Phone: | (516) 485-0000 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 200203 |
| DEC Memo: | 06/14/2007: This spill case was transferred to A. Doronova. AD06/19/2007: Reviewed Tank Closure report. It states that:On July 16, 2003 one 3,000 gallon fuel oil UST was permanently abandoned in-place at the Harlem River Bridge site. It is DDC site. Visual inspection of the tank reveled no evidence of leakage. Since the tank was closed in place, post tank closure soil samples were not collected. However four soil borings, SB-01 through SB-04, were performed adjacent to UST on August 11, 2003. Analytical results of sampling revealed the presence of residual concentrations of VOCs in two of the four samples and SVOCs in one of the four samples, all at concentrations below ASCs (Allowable Soil Concentration). Based on the data consultant (Shaw) requested NFA for this spill.In lab data method detection limit is elevated and varies all the time for the same compound depending of the soil boring. Have to ask J. Kolleeny. ADSent an email to A. Samani (DDC) with the request for additional soil and groundwater investigation in the vicinity of the closed in-place fuel oil UST. (cc: J. Kolleeny; T. Ahmad; J. Staten and H. Roberts). AD09/17/2007: Received Additional Site Subsurface Investigation Work Plan dated September 17, 2007, submitted by URS. The plan proposes installation of two monitoring wells on the eastern |

**HARLEM RIVER FACILITY (Continued)** **S104501355**

Remarks: and western sides of abandoned in-place UST. It states that monitoring wells cannot be installed north and south of the USt, because West 206th Street and a existing building located immediately north and south of the UST. URC proposes to collect soil and groundwater samples and analyze them for VOCs and SVOCs. Monitoring wells also will be surveyed for location and elevation. According to the Tank Closure Report, submitted by Shaw earlier, four soil borings were advanced around the fuel oil UST for collecting end-point samples. Soil samples from borings on the northern and southern sides of the UST indicated elevated concentrations of SVOCs. This data indicates, that installation of monitoring wells to the north and south of UST is feasible. Have to speak to J. Staten of URS. AD09/27/2007: Spoke with J. Staten regarding feasibility of installation of the wells on the northern and southern sides of UST. She said that it involves obtaining a street permit, traffic plan and other procedures. I asked, if it possible to relocate MW-01 close to the UST. I sent a Figure 3 with indication of new location of MW-01 to Jane by fax. AD12/17/2007: Received Field Investigation Summary and Request for Spill Closure from URS. The summary states that on October 16, 2007 two monitoring wells were installed at the approved locations. Two soil samples were collected from each well borehole at 3 to 5 feet bgs and 7 to 9 feet bgs. The analytical data indicated presence of trace levels of VOCs and SVOCs at concentrations below TAGM #4046 soil guidance values. On November 14, 2007, groundwater samples were collected from wells MW-01 and MW-02. According to labresults, presence of any VOCs or SVOCs were not detected in the sampled groundwater. Based on the data, URS recommended closure of the spill case. AD12/18/2007: Spoke with J. Kolleeny regarding this site. Sent a No Further Action letter to A. Samani (cc: J.Kolleeny; M.Asbagh; H.Roberts and J.Staten). PDF version is in eDocs. AD gross failure.

Material:

| | |
|---|---|
| Site ID: | 243745 |
| Operable Unit ID: | 840688 |
| Operable Unit: | 01 |
| Material ID: | 532573 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 243745 |
| Spill Tank Test: | 1526461 |
| Tank Number: | 1 |
| Tank Size: | 3000 |
| Test Method: | 03 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |

**HARLEM RIVER FACILITY (Continued)** **S104501355**

Last Modified: 10/1/2004
Test Method: Horner EZ Check I or II

SPILLS:

| | |
|---|---|
| Facility ID: | 9515576 |
| Facility Type: | ER |
| DER Facility ID: | 147808 |
| Site ID: | 175857 |
| DEC Region: | 2 |
| Spill Date: | 3/4/1996 |
| Spill Number/Closed Date: | 9515576 / 11/22/1996 |
| Spill Cause: | Other |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 3101 |
| Investigator: | JMKRIMGO |
| Referred To: | Not reported |
| Reported to Dept: | 3/4/1996 |
| CID: | 282 |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/4/1996 |
| Spill Record Last Update: | 5/11/2004 |
| Spiller Name: | SAME |
| Spiller Company: | DOT |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | NY |
| Spiller Company: | 001 |
| Contact Name: | MIKE ILIAKIS |
| Contact Phone: | (212) 569-5100 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"NO SPILL. |
| Remarks: | they removed 2 550 gallon tanks from the dot facility.nothing was spilled removal date was april 5 1995. |

Material:

Tank Test:

**167 SSW 1/4-1/2 0.263 mi. 1389 ft.** | **BRONX COMMUNITY COLLEGE**
**WEST 181ST & UNIVERSITY AVE**
**BRONX, NY** | **NY LTANKS** | **S109416321**
**N/A**

**Relative: Higher**

**Actual: 173 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 408967 |
| Spill Number/Closed Date: | 0811391 / 9/1/2009 |
| Spill Date: | 10/14/2008 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Not reported |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | bkfalvey |
| Referred To: | Not reported |
| Reported to Dept: | 1/15/2009 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1/15/2009 |
| Spill Record Last Update: | 9/1/2009 |
| Spiller Name: | WAYNE MURPHY |
| Spiller Company: | BRONX COMMUNITY COLLEGE |
| Spiller Address: | WEST 181ST & UNIVERSITY AVE |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller County: | 999 |
| Spiller Contact: | BRIAN FALDEY |
| Spiller Phone: | (718) 482-7129 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 358221 |
| DEC Memo: | 1/15/09 Reviewed tank tightness test report dated 1014/08. Report states that tank and line associated with tank 5 was inconclusive. Found leak at ATG riser and leak at manway lines. Notified engineer on-site. Checked database and no spill could be found. Called Tanknology and they have no record of calling in spill. I was told their procedure is to call spill hotline when a tank fails. I called Wayne Murphy of Bronx Community College (718)289-5245 and left message regarding spill and to return me call.1/16/09 Sent ttf letter to:Wayne Murphy, Chief Administrative SuperintendentBronx Community CollegeWest 181st Street/University AvenueBronx, NY 10453Received call from Michael Spath of CUNY. Told him about ttf letter. He will provide response after he receives letter. He told me the tank failed because of the manhole gasket and that it was repaired. bf 9/1/09 Received faxed letter from Michael Dillon, Senior stationary engineer at BCC. Tank failed because of a gauge line on top of the tank. No release of fuel. Tank was retested on 1/9/09 and passed. NFA. bf |
| Remarks: | TANK TEST FAILURE ON A 25,000 GALLON UST. UNK IF ANY PRODUCT WAS SPILLED. |

Material:

| | |
|---|---|
| Site ID: | 408967 |

**BRONX COMMUNITY COLLEGE (Continued)** **S109416321**

| | |
|---|---|
| Operable Unit ID: | 1165472 |
| Operable Unit: | 01 |
| Material ID: | 2156883 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | Gallons |
| Recovered: | Not reported |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**X168** **RESIDENCE** **NY LTANKS** **S103272658**
**ENE** **2440 WEBB AVE** **NY Spills** **N/A**
**1/4-1/2** **BRONX, NY**
**0.272 mi.**
**1437 ft.** **Site 2 of 2 in cluster X**

**Relative:**
**Higher**

**Actual:**
**137 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 343817 |
| Spill Number/Closed Date: | 0500759 / 4/21/2005 |
| Spill Date: | 4/18/2005 |
| Spill Cause: | Tank Overfill |
| Spill Source: | Tank Truck |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | True |
| SWIS: | 0301 |
| Investigator: | SMSANGES |
| Referred To: | Not reported |
| Reported to Dept: | 4/18/2005 |
| CID: | 407 |
| Water Affected: | Not reported |
| Spill Notifier: | Responsible Party |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 4/18/2005 |
| Spill Record Last Update: | 4/21/2005 |
| Spiller Name: | JIM CAREY |
| Spiller Company: | CASTLE OIL |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | ***Update***, ZZ |
| Spiller County: | 001 |
| Spiller Contact: | SOLAR MANAGEMENT |
| Spiller Phone: | (212) 633-9985 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 220384 |
| DEC Memo: | Sangesland spoke to Jim Carey at Castle, he said the spill was minor on the sidewalk and has been cleaned up. Several calls were made to |

**RESIDENCE (Continued)** **S103272658**

Solar Management, but no calls were returned.
Remarks: Spill has been cleaned up.

Material:
Site ID: 343817
Operable Unit ID: 1102496
Operable Unit: 01
Material ID: 582714
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 7
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

SPILLS:
Facility ID: 9511027
Facility Type: ER
DER Facility ID: 220384
Site ID: 270722
DEC Region: 2
Spill Date: 12/2/1995
Spill Number/Closed Date: 9511027 / 12/4/1995
Spill Cause: Equipment Failure
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 0301
Investigator: GUTIERREZ
Referred To: Not reported
Reported to Dept: 12/2/1995
CID: 312
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 12/2/1995
Spill Record Last Update: 12/4/1995
Spiller Name: Not reported
Spiller Company: BLDG OWNER
Spiller Address: Not reported
Spiller City,St,Zip: NY
Spiller Company: 999
Contact Name: Not reported
Contact Phone: (718) 543-8787
DEC Memo: Not reported

**RESIDENCE (Continued)** **S103272658**

Remarks: DEFECTIVE EQUIPMENT - BEING CLEANED UP NOW

Material:

| | |
|---|---|
| Site ID: | 270722 |
| Operable Unit ID: | 1025355 |
| Operable Unit: | 01 |
| Material ID: | 358379 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 3 |
| Units: | Gallons |
| Recovered: | 3 |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**Y169** **333 EAST 206TH ST./ST. BR** **NY LTANKS** **S104275483**
**West** **333 EAST 206TH ST.** **N/A**
**1/4-1/2** **NEW YORK CITY, NY**
**0.279 mi.**
**1475 ft.** **Site 2 of 2 in cluster Y**

**Relative:**
**Lower**

**Actual:**
**10 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 251982 |
| Spill Number/Closed Date: | 8705619 / 7/26/1993 |
| Spill Date: | 10/3/1987 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | 7/26/1993 |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | BATTISTA |
| Referred To: | Not reported |
| Reported to Dept: | 10/3/1987 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 10/5/1987 |
| Spill Record Last Update: | 2/15/1994 |
| Spiller Name: | Not reported |
| Spiller Company: | ST. BRENDAN'S CHURCH |
| Spiller Address: | 333 EAST 206TH ST. |
| Spiller City,St,Zip: | BX, NY |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |

**333 EAST 206TH ST./ST. BR (Continued)** **S104275483**

| | |
|---|---|
| DER Facility ID: | 206478 |
| DEC Memo: | Not reported |
| Remarks: | 2500 GAL. TANK FAILED TEST, HIGH VOLUME LEAK, WILL EXCAVATE, ISOLATE,AND RETEST. CONTACT: FR. BOYLE (212) 547-6655. |

Material:

| | |
|---|---|
| Site ID: | 251982 |
| Operable Unit ID: | 911744 |
| Operable Unit: | 01 |
| Material ID: | 468205 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | -1 |
| Units: | Not reported |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 251982 |
| Spill Tank Test: | 1531821 |
| Tank Number: | Not reported |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |

---

**170 ESE 1/4-1/2 0.285 mi. 1507 ft.** | **SPILL NUMBER 0204392 2320 AQUEDUCT AVE BRONX, NY** | **NY LTANKS** | **S105996362 N/A**

**Relative: Higher**

**Actual: 120 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 221690 |
| Spill Number/Closed Date: | 0204392 / 3/26/2004 |
| Spill Date: | 7/26/2002 |
| Spill Cause: | Tank Overfill |
| Spill Source: | Private Dwelling |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | CESAWYER |
| Referred To: | Not reported |
| Reported to Dept: | 7/26/2002 |
| CID: | 398 |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |

**SPILL NUMBER 0204392 (Continued)** **S105996362**

| | |
|---|---|
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 7/26/2002 |
| Spill Record Last Update: | 3/26/2004 |
| Spiller Name: | Not reported |
| Spiller Company: | Not reported |
| Spiller Address: | SAME |
| Spiller City,St,Zip: | ZZ - |
| Spiller County: | 001 |
| Spiller Contact: | ROBERT HILL |
| Spiller Phone: | (718) 579-3414 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 183345 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"1/6/04-Vought-Spill transferred from Vought to Austin.1/27/04 - Sawyer - Spill transferred from Austin to Sawyer.3/26/04 - Sawyer - Spoke with super of the building at the time a Jacob Selechuick and he assured me that the spill was completely cleaned up at the appropriate time. Closed. |
| Remarks: | all contained. tank overfill due to faulity gauge. no call back requested. |

Material:

| | |
|---|---|
| Site ID: | 221690 |
| Operable Unit ID: | 857196 |
| Operable Unit: | 01 |
| Material ID: | 518645 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 10 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**171 SSE 1/4-1/2 0.293 mi. 1546 ft.** **SHELTERING ARMS** **NY LTANKS** **S106124347**
**2207 UNIVERSITY AVE** **N/A**
**BRONX, NY**

**Relative: Higher**

**Actual: 144 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 257911 |
| Spill Number/Closed Date: | 0308539 / 3/14/2007 |
| Spill Date: | 11/11/2003 |
| Spill Cause: | Tank Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |

**SHELTERING ARMS (Continued)** **S106124347**

| | |
|---|---|
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | qxabidi |
| Referred To: | Not reported |
| Reported to Dept: | 11/12/2003 |
| CID: | 205 |
| Water Affected: | Not reported |
| Spill Notifier: | Responsible Party |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 11/12/2003 |
| Spill Record Last Update: | 3/14/2007 |
| Spiller Name: | CALLER |
| Spiller Company: | SHELTERING ARMS |
| Spiller Address: | 2207 UNIVERSITY AVE |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller County: | 001 |
| Spiller Contact: | CALLER |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 211176 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"11/14/03 tipple left 2 messages foe Joshylin Perry. suggested that she call their insurance co to see if they would assist in the cleanup// Petro changed leaking line and what now remains is contaminated soil. Sangesland sent a contaminated soil letter to Joshlyn Perry05/24/06: This spill is transferred from Mr. Koon Tang to Q.Abidi.11/01/06: Called Ms. Joshlyn Perry (718)933-1582 nobody answering the phone.02/08/07: Called Mr. Rodger Reirsen, Consultant (Geotrans Company) at (908)534-2303 to discuss regarding this spill. He said This spill occurred due to tank failure, Sheltering Arms hired his company. But Geotrans hired North East Environmental Company, New York to pull the tank. When tank was pulled by North East Environmental Company. Geotrans checked and did not found any product to excavate. Mr. Rodger Riersen will fax me all the documents including soil sample report to close the spill. -QA02/16/07: Called Mr. Rodger Riersen (Geotrans) at (908)534-2303 he was not in the office. Left message to call me back regarding spill. Discussed with Mr. Rodger Riersen regarding spill to make borings around the tank, to evaluate contamination of soil. -QA03/01/07: Talked to Mr. Roger Riersen (impact Environmental) to find out the contact number of Petro Co. to clear this point where they have changed the line and where they have found the soil contamination. Also asked that to send diagram showing fill port to tank and tank to boiler. These thing should be cleared, Impact Environmental has to do borings around that to confim the soil contamination. -QA03/01/07: Called Mr. Roger Riersen to dicuss regarding soil contamination and to find out the contact number of Petro Co. Where they change the line and where they found the soil contamination. Mr. Roger will be available on monday March 5, 2007. I left message to call me back to discuss regarding this spill. -QA03/14/07: Received a package from Mr. Roger Riersen, staff Geologist (GeoTrans, Inc.)on March 14. Reviewed the report based on his discussion with Mr.Reiner Ober, it is likely that historical references to contaminated soil were due to assumptions |

**SHELTERING ARMS (Continued)** **S106124347**

that were never confirmed by direct observation or laboratory analysis. Petro was never contracted to remove the pipeline and therefore no confirmation of the contaminated soil was ever conducted prior to tank removal activities. Furthermore, no contaminated soil was observed during the removal of the UST and associated pipes on January 10, 2007.GeoTrans inspected the area on March 6, 2007, demonstrates that the former leaking pipe ran through the basement stairwell and no petroleum or soil is present on the exterior wall or foundation where the former leaking pipe was located. On the basis of information provided by GeoTrans and by the approval of Mr. Jon Kolleeny (Supervisor) this spill is closed. -QA

Remarks: LEAKING U/G TANK. WALL IN BASEMENT STAINED.

Material:

| | |
|---|---|
| Site ID: | 257911 |
| Operable Unit ID: | 877039 |
| Operable Unit: | 01 |
| Material ID: | 502028 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**172 WNW 1/4-1/2 0.305 mi. 1610 ft.** **MERIT SERVICE STATION 401 WEST 207TH STREET MANHATTAN, NY** **NY LTANKS NY Spills** **S108636298 N/A**

**Relative: Lower**

**Actual: 16 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 158033 |
| Spill Number/Closed Date: | 9706124 / 6/30/2004 |
| Spill Date: | 8/20/1997 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Gasoline Station |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 3101 |
| Investigator: | WXSUN |
| Referred To: | CONSOLIDATED WITH 0201957 |
| Reported to Dept: | 8/20/1997 |
| CID: | 311 |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | True |

**MERIT SERVICE STATION (Continued)** **S108636298**

| | |
|---|---|
| Remediation Phase: | 0 |
| Date Entered In Computer: | 8/20/1997 |
| Spill Record Last Update: | 2/1/2007 |
| Spiller Name: | SAME |
| Spiller Company: | HESS/MERIT OIL CORP |
| Spiller Address: | UNK |
| Spiller City,St,Zip: | UNK, PA |
| Spiller County: | 001 |
| Spiller Contact: | ANDY FORD |
| Spiller Phone: | (215) 527-7900 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 62298 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SUN"PRIMARY SPILL NUMBER FOR THIS SITE:(Ref: 9516087, 9504685, 0010612)12/9/2003 Reassigned from O'Dowd to Sun.06/30/04Site tracked under spill 0201957. See 0201957 for site status. Rommel |
| Remarks: | CALLER STATES BOTH TANKS FAILED TEST. |

Material:

| | |
|---|---|
| Site ID: | 158033 |
| Operable Unit ID: | 1052303 |
| Operable Unit: | 01 |
| Material ID: | 331724 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 158033 |
| Spill Tank Test: | 1545281 |
| Tank Number: | 046-047 |
| Tank Size: | 4000 |
| Test Method: | 20 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | USTest 2000/P/LL plus USTest 2000/U |

SPILLS:

| | |
|---|---|
| Facility ID: | 0206149 |
| Facility Type: | ER |
| DER Facility ID: | 223558 |
| Site ID: | 274848 |
| DEC Region: | 2 |
| Spill Date: | 9/13/2002 |
| Spill Number/Closed Date: | 0206149 / 4/3/2003 |
| Spill Cause: | Unknown |

**MERIT SERVICE STATION (Continued)** **S108636298**

| | |
|---|---|
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 3101 |
| Investigator: | SMSANGES |
| Referred To: | Not reported |
| Reported to Dept: | 9/13/2002 |
| CID: | 398 |
| Water Affected: | Not reported |
| Spill Source: | Gasoline Station |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 9/13/2002 |
| Spill Record Last Update: | 4/3/2003 |
| Spiller Name: | DAVID LEE |
| Spiller Company: | HESS 32517 |
| Spiller Address: | 401 WEST 207TH ST |
| Spiller City,St,Zip: | MANHATTAN, NY |
| Spiller Company: | 001 |
| Contact Name: | DAVID LEE |
| Contact Phone: | (518) 436-6585 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"4/3/2003 Hess submitted documentation showing repairs made to their STP sumps and remote fill line. Fuel had accumulated in the sump and the system was tightened and repaired to prevent this leak.Spill Closed |
| Remarks: | contained in stp sump. no call back needed. in process of clean up. |

Material:

| | |
|---|---|
| Site ID: | 274848 |
| Operable Unit ID: | 858648 |
| Operable Unit: | 01 |
| Material ID: | 516759 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 20 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Facility ID: | 0700699 |
| Facility Type: | ER |
| DER Facility ID: | 329567 |
| Site ID: | 380084 |
| DEC Region: | 2 |
| Spill Date: | 4/18/2007 |
| Spill Number/Closed Date: | 0700699 / 6/21/2007 |

**MERIT SERVICE STATION (Continued)** **S108636298**

| | |
|---|---|
| Spill Cause: | Other |
| Spill Class: | Not reported |
| SWIS: | 3101 |
| Investigator: | jbvought |
| Referred To: | Not reported |
| Reported to Dept: | 4/18/2007 |
| CID: | 444 |
| Water Affected: | Not reported |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 4/18/2007 |
| Spill Record Last Update: | 6/21/2007 |
| Spiller Name: | STEVE FRANK |
| Spiller Company: | STREET |
| Spiller Address: | 401 WEST 207TH |
| Spiller City,St,Zip: | MANHATTEN, NY |
| Spiller Company: | 001 |
| Contact Name: | STEVE FRANK |
| Contact Phone: | (718) 321-3136 |
| DEC Memo: | Liro Construction is installing a sewer line for NYC-DDC project - While digging a trench in front of an existing gas station (401 West 207th st)they found weathered petroleum contaminated soil.Sangesland asked Mr. Frank to confirm that the contaminated soil was NOT dumped back into the trench after the new line was installed. Mr. Frank will confirm and call back.Apparently there is already an open spill for the gas station at this location.4/23/07 - Carlson - Received email from Steve Frank at Liro Engineering : "The trench was excavated to install a new water line. Trench length is more than 100 ' but the affected area is only about 10' wide. The trench is about 10' deep there. The contractor reported that nothing unusual was noticed in the soil when the trench was dug and that no liquid was in the trench when excavated. The substance in the trench was not noticed until after the big rainstorm. We inspected the fluid Weds. AM, collected a sample and called the hotline as it smelled and looked like a petroleum product to us. The trench is still open and theContractor does not intend to backfill with the soil that was removed from the trench. "Received laboratory results of sample. DEC Carlson performed site inspection. The sewer line is being installed at approximately 8 ft below grade. One portion about 10ft long is contains water and floating product. This portion is directly downgradient of the Hess station. The portion with water and product is greater than 8 ft deep, and will have a concrete box and manhole around it. The construction operator reported seeing soil staining when groundwater was encountered at approximately 8 ft below grade. Met with the engineer on site Attef Farag (phone 973-623-2999, email afarag@kseng.com). Met with Hess's consultant, Jonathan Curran from Delta. Tim Fisher from Delta will be managing this incident. I indicated to Attef Farag that the water in the excavation will need to pumped out and properly disposed of. 05/14/07-Vought-Called Farag for update on trench installation and to notify him that spill will be closed and referred to Hess open spill at adjacent site. Vought |

**MERIT SERVICE STATION (Continued)** **S108636298**

left message for Farag to return call to DEC.05/16/07-Vought-Called Farag for update as no call received and told to call 718-424-4157. Vought called Steve Frank (Liro) and left message to return call to DEC and will provide him with contact info for DEC Carlson and Hess (who will be managing remediation of source site).06/21/07-Vought-Called Frank (718)321-3136x236 for update and left message that case will be closed and referred to open spill for source Hess Station located at 401W207th Street (spill #0201597). Spill closed by Vought.

Remarks: FOUND CONTAMINATED WHILE DIGGING A TRENCH FOUND WEATHERED PRODUCT

Material:

| | |
|---|---|
| Site ID: | 380084 |
| Operable Unit ID: | 1137575 |
| Operable Unit: | 01 |
| Material ID: | 2127525 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Facility ID: | 9516087 |
| Facility Type: | ER |
| DER Facility ID: | 62298 |
| Site ID: | 64697 |
| DEC Region: | 2 |
| Spill Date: | 3/15/1996 |
| Spill Number/Closed Date: | 9516087 / 12/9/2003 |
| Spill Cause: | Unknown |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 3101 |
| Investigator: | WXSUN |
| Referred To: | Not reported |
| Reported to Dept: | 3/15/1996 |
| CID: | 322 |
| Water Affected: | Not reported |
| Spill Source: | Gasoline Station |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/15/1996 |
| Spill Record Last Update: | 7/19/2005 |
| Spiller Name: | ROBERT LLOYD |
| Spiller Company: | MERIT SERVICE STATION |

**MERIT SERVICE STATION (Continued)** **S108636298**

| | |
|---|---|
| Spiller Address: | 401 W 207TH ST |
| Spiller City,St,Zip: | INWOOD, ZZ |
| Spiller Company: | 001 |
| Contact Name: | ROBERT LLOYD |
| Contact Phone: | (610) 866-7799 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SUN"Contaminated soil discovered during tank pullPRIMARY SPILL NUMBER FOR THIS SITE IS 9706124FOR NOTES, LOOK UP THAT SPILL NUMBER.12/9/2003 Reassigned from Sangesland to Sun. To be investigated and remediated under Spill # 97-06124. |
| Remarks: | preliminary soil test indicate contamination around tanks |

Material:

| | |
|---|---|
| Site ID: | 64697 |
| Operable Unit ID: | 1027056 |
| Operable Unit: | 01 |
| Material ID: | 566859 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Facility ID: | 9504685 |
| Facility Type: | ER |
| DER Facility ID: | 202117 |
| Site ID: | 246119 |
| DEC Region: | 2 |
| Spill Date: | 2/1/1995 |
| Spill Number/Closed Date: | 9504685 / 12/9/2003 |
| Spill Cause: | Unknown |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 2401 |
| Investigator: | WXSUN |
| Referred To: | Not reported |
| Reported to Dept: | 7/8/1995 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Gasoline Station |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 8/2/1995 |
| Spill Record Last Update: | 7/19/2005 |
| Spiller Name: | Not reported |

**MERIT SERVICE STATION (Continued)** **S108636298**

| | |
|---|---|
| Spiller Company: | MERIT |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | ZZ |
| Spiller Company: | 001 |
| Contact Name: | Not reported |
| Contact Phone: | Not reported |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SUN"PRIMARY SPILL NUMBER FOR THIS SITE IS 9706124FOR NOTES, LOOK AT THAT SPILL NUMBER12/9/2003 Reassigned from Sangesland to Sun. To be investigated and remediated under Spill # 97-06124. |
| Remarks: | TOOKL SAMPLES FOR DEP - DEWATERING PERMIT FOR GASOLINE COMPONENTS. |

Material:

| | |
|---|---|
| Site ID: | 246119 |
| Operable Unit ID: | 1019445 |
| Operable Unit: | 01 |
| Material ID: | 366196 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | -1 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Facility ID: | 0010612 |
| Facility Type: | ER |
| DER Facility ID: | 223558 |
| Site ID: | 274847 |
| DEC Region: | 2 |
| Spill Date: | 12/21/2000 |
| Spill Number/Closed Date: | 0010612 / 12/9/2003 |
| Spill Cause: | Human Error |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 3101 |
| Investigator: | WXSUN |
| Referred To: | Not reported |
| Reported to Dept: | 12/21/2000 |
| CID: | 312 |
| Water Affected: | Not reported |
| Spill Source: | Gasoline Station |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 12/21/2000 |
| Spill Record Last Update: | 12/9/2003 |
| Spiller Name: | Not reported |

**MERIT SERVICE STATION (Continued)** **S108636298**

| | |
|---|---|
| Spiller Company: | AMERADA HESS |
| Spiller Address: | 1 HESS PLAZA |
| Spiller City,St,Zip: | WOODBRIDGE, NJ 07095- |
| Spiller Company: | 001 |
| Contact Name: | Not reported |
| Contact Phone: | (212) 567-9862 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SUN"PRIMARY SPILL NUMBER FOR THIS SITE IS 9706124 FOR ALL NOTES, LOOK THERE.12/9/2003 Reassigned from Sangesland to Sun. To be investigated and remediated under Spill # 97-06124. |
| Remarks: | DRILLER DRILLED THRU PRODUCT DISPENSING PIPING - POSS ABOUT 5 GAL - WAS CLEANED UP |

Material:

| | |
|---|---|
| Site ID: | 274847 |
| Operable Unit ID: | 832645 |
| Operable Unit: | 01 |
| Material ID: | 544505 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

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**173 East 1/4-1/2 0.334 mi. 1764 ft.** **IN THE BASEMENT** **NY LTANKS** **S110769618**
**2422 UNIVERSTIY AVE** **N/A**
**BRONX, NY**

**Relative: Higher**

**Actual: 119 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 446050 |
| Spill Number/Closed Date: | 1012136 / 8/19/2011 |
| Spill Date: | 3/7/2011 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Private Dwelling |
| Spill Class: | Not reported |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | HRPATEL |
| Referred To: | Not reported |
| Reported to Dept: | 3/7/2011 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |

**IN THE BASEMENT (Continued)** **S110769618**

| | |
|---|---|
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/7/2011 |
| Spill Record Last Update: | 8/23/2011 |
| Spiller Name: | ROBERT EVANS |
| Spiller Company: | ROBERT EVANS |
| Spiller Address: | 2422 UNIVERSTIY AVE |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller County: | 999 |
| Spiller Contact: | JEFF MCKENZIE |
| Spiller Phone: | (800) 440-8265 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 400905 |
| DEC Memo: | 03/11/11-Hiralkumar Patel.2:19 PM:- spoke with Christie at ATS. she mentioned that property manager is looking for contractor to fix tank system and then ATS will go back for retesting.2:22 PM:- left message for Evan Robert, property manager.alternate address: noneno other spills.no PBS record.A & R Unity Mgt. LLC. **property owner**36 East 37th StreetNew York, NY 10018Attn.: Evan Robert **property owner**Ph. (212) 695-3510Fax (212) 643-2061email: evanrobertap@aol.com03/14/11-Hiralkumar Patel.12:59 PM:- left message for Evan Robert.1:07 PM:- received call from Mr. Robert. asked him to conduct an isolation test or pump out tank by end of tomorrow to avoid any further release.1:50 PM:- spoke with John at ATS. he mentioned that site has 1,000 gal tank.2:04 PM:- sent TTF letter to Mr. Robert requiring isolation test. letter emailed to Mr. Robert. asked Mr. Robert to submit isolation test result by 9 AM on 03/16/11.03/16/11-Hiralkumar Patel.11:23 AM:- received call from Mr. Robert. he is still waiting for cost proposal for isolation test. during conversation, he mentioned that tank is aboveground. informed him that if tank is completely visible (including bottom) and there is no leak from tank bottom and lines to/from boiler are running aboveground with no leak, then no need for isolation test. but there should be no more oil deliveries until the tank system is fixed and tested tight again. informed him that if there is leak found in fill line and if portion of fill line is underground, then further investigation is needed. Mr. Robert will call back after talking to his super to confirm that tank is completely aboveground and not wrap with concrete.03/17/11-Hiralkumar Patel.10:28 AM:- received call from Daniel from DD Contracting, company hired to do tank repairs. Daniel is on site right now. he mentioned that site has 1,000 gal tank completely wrapped in concrete. he was told to fix the epoxy patch on top of tank. as per Daniel, during tank cleaning, contractor broke part of concrete wrap on top and cut hole in tank. after cleaning, tank cut was patched (approx. 15 inches by 13 inches). Daniel was told that during pressure test, air was coming out of this patch on top. Daniel observed five weep holes on concrete wrap and no sign of oil release from these weep holes. he did not see any sign of any oil release from the patch also. fill line runs aboveground and fill port is located on the building foundation wall. no sign of oil release found on foundation wall where fill line enters into building. supply/return lines runs aboveground, wrapped in concrete, along the basement floor.DanielDD ContractingPh. (646) 321-264603/21/11-Hiralkumar Patel. letter sent to Mr. Robert came back undelivered.4:15 PM:- spoke with Daniel. he has finished repair and waiting for re-testing. he will call once retesting is |

**IN THE BASEMENT (Continued)** **S110769618**

scheduled.03/24/11-Hiralkumar Patel.3:41 PM:- sent email to Mr. Robert requiring to submit result of retesting of tank system.03/29/11-Hiralkumar Patel.11:54 AM:- spoke with operator at Mr. Robert's office. she mentioned that ATS went for retesting but required more repair. technician is on-site today for repair. she will ask technician to call.12:25 PM:- received message from Daniel.2:42 PM:- left message for Daniel.4:18 PM:- received call from Daniel. he mentioned that tank system failed again after some repair.4:22 PM:- spoke with Mr. Robert and Daniel. asked Mr. Robert to either prove that tank/supply/return lines are not leaking (by having isolation test of these parts) or pump out tank until the system is tested tight. also asked Mr. Robert to seal the fill port to prevent any more oil deliveries. told Mr. Robert that if required document is not submitted by end of tomorrow, case will be referred to legal.03/30/11-Hiralkumar Patel.10:30 AM:- visited site. met Daniel. site occupies by a five story building with a basement. a 1,000 gal AST is completely wrapped in concrete. tank is about 4.5 ft away from the boiler. all the lines running aboveground except about 4 ft of supply/return lines covered with concrete on top of boiler room floor (area between the tank and boiler). fill and vent line cross the foundation wall and then fill line runs aboveground to building line (about 4 ft from foundation wall). found old supply (or return) line connected to the tank. found open end of old fill line in building foundation wall where the current fill line enters into the building. five weep holes at the bottom of concrete wrap. no oil found seeping out of these weep holes. gauge was not working.Daniel mentioned that after they repair the patch on tank top, tank system failed again. so now they have to remove the old patch and fix it. super mentioned that about 600 gal oil delivered yesterday.1:45 PM:- left message for Mr. Robert.04/15/11-Hiralkumar Patel.3:26 PM:- left message for Daniel inquiring updates.05/26/11-Hiralkumar Patel.1:30 PM:- left message for Mr. Robert.1:36 PM:- received message from Shin, from Mr. Robert's office.06/06/11-Hiralkumar Patel.4:33 PM:- spoke with Mr. Robert and he mentioned that all work has been completed. spoke with Shin, Mr. Robert's assistance. she mentioned that tank passed the test. asked her to submit a statement (or invoice) from contractor including reason for tank test failure, repair done, any contamination during repair or not and passing tank test result. asked her to submit documents by end of 06/08/11.4:40 PM:- sent email to Mr. Robert and asked him to submit spill closure report by the end of 06/08/11.06/07/11-Hiralkumar Patel.2:12 PM:- received email from Mr. Robert including copy of invoice. as per invoice from DD Contracting, they replace leaking epoxy patch on oil tank with fiberglass resin patch.06/09/11-Hiralkumar Patel.11:44 AM:- sent email to Mr. Robert and asked him to send letter report from contractor including following:- cause of tank system failure- type of repair done- any contamination found during repair or not- results of tank system test performed after repair doneasked him to submit documents by 06/13/11 - final notice.08/05/11-Hiralkumar Patel.11:24 AM:- spoke with Shin. she has access to Mr. Robert's email account and she mentioned that they did not received email dated 06/09/11. informed her that email will be resent. asked her to submit report as per the email, by the end of 08/09/11.11:28 AM:- sent email to Shin (at Mr. Robert's email address) requiring to submit report by 08/09/11.11:30 AM:- spoke with Shin. she confirmed that she received the email and will send document by 08/09/11.08/11/11-Hiralkumar Patel.4:29 PM:- received email from Shin including letter from DD

**IN THE BASEMENT (Continued)** **S110769618**

Contractring. as per Daniel from DD Contracting, tank system failed a test due to a faulty epoxy patch located towards teh top of the tank. the epoxy was completely removed and a new resin patch was applied. no contamination found during repair. as per Daniel, tank was pressure tested and passed.08/15/11-Hiralkumar Patel.2:33 PM:- spoke with Shin and asked her to submit tank system test result.4:09 PM:- received email from Shin including tank pressure test result. result is not acceptable as includes tight tank and no information about system test.08/19/11-Hiralkumar Patel.11:50 AM:- spoke with Shin and informed her that tightness test must be performed for entire system. she will call ATS, who performed test, for corrected result.12:35 PM:- received email from Shin. she mentioned that Kristi Clune from ATS environmental will send tank test result.Kristi CluneATS EnvironmentalPh. (800) 440-8265 Ext. 107Email: kristi@atsenvironmental.com12:36 PM:- spoke with Kirsti. she mentioned that they tested entire tank system. asked her to submit test result that shows tank system is tight.1:16 PM:- received tank test result from Kristi.based on available information, case closed.**also see spill #: 1012134 as same managmenet and tank test failure.**

Remarks: Tank top issue, not leaking product.

Material:

| | |
|---|---|
| Site ID: | 446050 |
| Operable Unit ID: | 1196414 |
| Operable Unit: | 01 |
| Material ID: | 2192714 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | Not reported |
| Recovered: | Not reported |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**Z174** **CUNY- BRONX COLLEGE** **NY LTANKS** **S106971627**
**South** **WEST 181 STREET/UNIVERSIT** **N/A**
**1/4-1/2** **BRONX, NY**
**0.348 mi.**
**1840 ft.** **Site 1 of 4 in cluster Z**

**Relative:**
**Higher**

**Actual:**
**143 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 333963 |
| Spill Number/Closed Date: | 0409356 / 4/17/2007 |
| Spill Date: | 11/19/2004 |
| Spill Cause: | Tank Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |

**CUNY- BRONX COLLEGE (Continued)** **S106971627**

| | |
|---|---|
| Investigator: | HRPATEL |
| Referred To: | Not reported |
| Reported to Dept: | 11/19/2004 |
| CID: | 444 |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 11/19/2004 |
| Spill Record Last Update: | 4/17/2007 |
| Spiller Name: | MARTIN PULVER |
| Spiller Company: | CUNY- BRONX COLLEGE |
| Spiller Address: | WEST 181 STREET/UNIVERSIT |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller County: | 001 |
| Spiller Contact: | MARTIN PULVER |
| Spiller Phone: | (718) 289-5555 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 269184 |
| DEC Memo: | Tipple conducted site visit. Letter sent outlining requirements for cleanup.12/24/04 Letter from O'Brien & Gere indicaing the cleanup/ investigation will proceed, no start date is noted.12/19/05 Feroze. Spill is transferred from Ketani to .12/28/05. Mr. Martin pulver is called and a message is left for him to inform DEC the present status of that situation. A letter is sent to O'BRIEN & GERE to inform DEC about their actions to clean up debris, old tank and to close the old tank. 02/09/06. Feroze. Called O'brien & Gere and left a message them.02/24/06 Feroze, Talked with Mr. Martin Pulver 718-289-5555, he said that he would talk with O'Brian and Gere that worked on that site. He will inform DEC about remediation actions.03/15/06. Spill is transferred from Feroze to Kumer Patel.04/06/06-Hiralkumar Patel. Called at O'Brien & Gere. Randy is no longer working at this company. Left message for Scott Scheidelnan, who is handling now.04/17/06-Hiralkumar Patel. Spoke with Scott and he gave me number of Mr. Dipasca, who can tell that who is handling this case, as he was handling previously.Mr. Dipasca(732) 225-7380 Ext. Spoke with Peter Dipasca at Edison office of Obrien & Gere. he told me that Randy Waibel was handling this case previously and was working in Syracus office of NJ. Peter is new to the company and only thing he has the letter that Randy sent out to Mike Tipple at DEC. Peter has sent out copy of this letter to Feroze. now Peter is not handling this matter and Michael Spath from University of NY is handling themselves. asked Peter to get file from Syracus office as he doesn't know that what kind of work done after spill reported.Michael SpathCUNY Environmental Compliance Manager535 East 80th Street5th FloorNew York, NY 10021Ph.: (212) 794 - 5590Email: Michael.Spath@mail.cuny.eduPBS #: 2-107204. as per PBS records, site has 13 in service tanks and 4 closed-in place tanks.* 13 in service tanks* 4 closed in place tanks* 7 USTs* 4 closed in place tanks are AST in concrete vault.* total capacity of tanks on site is 113855 gal.* 11 tanks are in use to store #2 fuel oil* 1 AST (700 gal) is in use to store Diesel* 1 UST (1000 gal) is in use to store Gasoline.* 4 closed-in place tanks are AST of 15,000 gal capacity each were in use to store #6 fuel oil.* all USTs currently in use are due for tank |

**CUNY- BRONX COLLEGE (Continued)** **S106971627**

test.Tried phone number on PBS records for Person name Manny Ballen, but he is no longer working and operator transfer me to power plant. spoke with Anthony Johnson and he told me that Chief Engineers left for the Day. i can contact them tomorrow after 9 O'clock.Chief Engineer: Michael Dillon & Tyrone Fleming (718) 289-5258.Left message for Michael Spath. Received call from Mr. Spath and as per him Woodard and Currn Engineering is handling environmental problem at site. some one from this company will call me during week. as per his records, they have done tank test and sent test result to Benjamin Conlon at DEC. he will send copies throug email again.04/18/06-Hiralkumar Patel. REceived email from Mr. Spath with report. report included tank test results of six tanks only. among these six tanks, 4 tanks of 25,000 gal capacity storing #2 fuel oil, one tank is 1,000 gal capacity storing #2 fuel oil and one tank of 1,000 gal capacity stroing gasoline. this report doesn't include seventh tank of 10,000 gal capacity storing #2 fuel oil. send out email to Mr. Spath requesting information about this seventh tank and contact information about person who is handling environmental matter for university.04/19/06-Hiralkumar Patel. Received call from Jack O'Neill, who is handling cleaning activities of tanks at site. as per him, they are planning to abondened the four ASTs that are currently not in use. these tanks were in use to store #6 fuel oil and tanks are in concrete vaults. Jack will open vault and clean it. if he finds any cracks on floor or any abnormal situation, he will notify the Department. i also asked him about seventh UST whose tank test data is not available. he will find it and call back.05/05/06-Hiralkumar Patel. Received email from Michael Spath. the seventh UST was installed in 2002, so its due to tank test in 2007. as i was looking in tank test results that Mr. Spath send me before, found that the tests were done on 09/14/2004. but the tank test failure reported on 11/19/2004. send eamil to clarify this and to send if he has any new test results.05/16/06-Hiralkumar Patel. Resend email to Mr. Spath. Received email from Mr. Spath. currently he is out of town. will contact soon.06/05/06-Hiralkumar Patel. Resend email to Mr. Spath.06/06/06-Hiralkumar Patel. Received email from Mr. Spath. he is looking for the tank which had leak in it.Received another email from Mr. Spath stating that the tank, which was reported leaking, is one of four #6 tanks at Bliss Hall. Woodard & Curran Engineering is working on work plan to premanently closing these tanks.Send email to Mr. Spath to find out which tank had problem and details about work done to correct this leaking tank.08/14/06-Hiralkumar Patel. spoke with Mr. Spath. they are in process of hiring contractor to abandon four previously closed ASTs. asked Mr. Spath to test each tanks at location whose bottom is unvisible. he will call once he gets contractor.11/27/06-Hiralkumar Patel. visited site. met Tyrone Fleming (718-289-5258), facility supervisor at university. as per Mr. Fleming, none of the active tanks has any problem. but there is oil spill from one of four 15000 gal "Closed-In Place" tanks. these tanks are located in Bliss Hall in concrete vault. this vault was in use as Coal storage in past and then they converted this storage into tank vault. spoke with Mike at facility. Mike was in this vault couple of months ago and he noticed oil inside vault. as per Mike, these tanks are out of service since 1984 and oil level readings in all these four tanks are constant since then. these tanks were in use to store #6 oil. from these four tanks, tank #2 has about 60% of oil and remaining three tanks has about 9" of product/sludge in it. all tanks are off-ground on legs.

**CUNY- BRONX COLLEGE (Continued)** **S106971627**

all lines to & from tank are aboveground. Mike hasn't noticed any oil leaking from any tank at time of his observation in tank vault. Mike mentioned that floor was not solid concrete when tanks were installed and he believed some oil may hit ground. Mike believe this oil spill may happened before 1984. spoke with Mr. Spath. they are in process of hiring contractor for spill cleanup and tank abandonment. asked Mr. Spath to call the Department with Contractor's name and number once they finalize it.sent out letter to Mr. Spath requiring endpoint sampling. letter emailed to Mr. Spath.12/13/06-Hiralkumar Patel. received message from Ms. Hundley. spoke with Ms. Hundley. she asked copy of emails from Mr. Spath. she will be futher contact on this case. they hired O'Brian & Gere for further cleanup and will send final report at end of work.Esther HundleySafety OfficerCity Uuiversity of NY (CUNY)555 w 57th Street10th FloorNew York, NY 10019Ph.: (212) 541-0430Email: esther.hundley@mail.cuny.eduforwarded all emails that i received from Mr. Spath. sent copy of CSL to Ms. Hundley in email.email sent to Ms. Hundley came back undelivered. left message for Ms. Hundley.received call from Ms. Hundley. she gave current email address. sent email again to Ms. Hundley.01/09/07-Hiralkumar Patel. left message for Ms. Hundley to provide contractor's info who will going to do required soil investigation.received call from Ms. Hundley. they have hired O'Brien & Gere and under them, AB Environmental working at site. AB environment visited site last week and took some sample from product inside tank. they are planning to remove product from tanks on 01/16/07 and after removing tank, will do geoprobe to find any contamination. 02/14/07-Hiralkumar Patel. received call from Ms. Hundley. they finished removing sludge from three tanks out of four. fourth tank had about 10000 gal #6 oil in it and contractor is removing it currently. as per Mr. Hundley, tanks are sitting on cement floor inside concrete vault. as per her, vault floor is solid and if there was any oil spilled inside tank vault was contained at that time. once they remove oil from fourth tank, they will powerwash all four tanks. asked Ms. Hundley to submit report with condition of tank vault.03/01/07-Hiralkumar Patel. received call from Ms. Hundley. she asked about requirement of cleaning lines of #6 oil tank. she mentioned that as per PBS regulations, lines must be free of oil/sludge. but as these lines were out of service for last 20 years, #6 oil got solidified in it and now it is very hard to removed from lines. discussed with DEC Jacob. he suggest to cap off these lines without any cleaning as it has #6 oil which has solidified. asked Ms. Hundley to cap off these lines without cleanint it.03/13/07-Hiralkumar Patel. received call from Ms. Hundley. she asked whether she has to re-register #6 tanks which were closed 20 years ago. she asked because they cleaned out tanks now and closed these properly. told Ms. Hundley that as tanks were out of service for last 20 years, may not requires re-registration, but will call back once check with DEC Jacob.04/17/07-Hiralkumar Patel. received tank closure report. based on available reports and informations, case closed.NFA sent to Ms. Hundley. letter emailed to Ms. Hundley.**tank test result copy that i had from Mr. Spath, i gave that to Brian to update tank test date in PBS Record.**

Remarks: Not reported

Material:

Site ID: 333963

Operable Unit ID: 1096105

**CUNY- BRONX COLLEGE (Continued)** **S106971627**

| | |
|---|---|
| Operable Unit: | 01 |
| Material ID: | 576107 |
| Material Code: | 0003A |
| Material Name: | #6 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

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**Z175** **W 181ST. ST. & UNIVERSITY** **NY LTANKS** **S100144785**
**South** **W. 181ST ST.& UNIVERS.AVE** **N/A**
**1/4-1/2** **NEW YORK CITY, NY**
**0.351 mi.**
**1854 ft.** **Site 2 of 4 in cluster Z**

**Relative:**
**Higher**

**Actual:**
**153 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 119402 |
| Spill Number/Closed Date: | 8705325 / 9/30/1992 |
| Spill Date: | 9/24/1987 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | 9/30/1992 |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | BATTISTA |
| Referred To: | Not reported |
| Reported to Dept: | 9/25/1987 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 9/28/1987 |
| Spill Record Last Update: | 5/12/1994 |
| Spiller Name: | Not reported |
| Spiller Company: | BRONX COMMMUNITY COLLEGE |
| Spiller Address: | W. 181ST. ST.& UNIVERS. |
| Spiller City,St,Zip: | BX, NY |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 103719 |
| DEC Memo: | Not reported |
| Remarks: | L R = -.11G/HR.- 25K TANK- PLAN TO BURN OIL, EMPTY AND EXAMINE TANK. PLAN TO EXCAVATE AND RETEST LINES. TANK IS FAIRLY NEW (5YRS.). |

**W 181ST. ST. & UNIVERSITY (Continued)** **S100144785**

Material:

| | |
|---|---|
| Site ID: | 119402 |
| Operable Unit ID: | 909160 |
| Operable Unit: | 01 |
| Material ID: | 467927 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | -1 |
| Units: | Not reported |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 119402 |
| Spill Tank Test: | 1531727 |
| Tank Number: | Not reported |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |

---

**AA176** **NYCDOS 12TH GARAGE FLOOR** **NY LTANKS** **S103478327**
**North** **301 WEST 215TH STREET** **NY Spills** **N/A**
**1/4-1/2** **MANHATTAN, NY**
**0.359 mi.**
**1898 ft.** **Site 1 of 4 in cluster AA**

**Relative:**
**Lower**

**Actual:**
**6 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 262006 |
| Spill Number/Closed Date: | 9604675 / 1/6/2005 |
| Spill Date: | 7/9/1996 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 3101 |
| Investigator: | JAKOLLEE |
| Referred To: | Not reported |
| Reported to Dept: | 7/9/1996 |
| CID: | 207 |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 7/9/1996 |
| Spill Record Last Update: | 7/7/2005 |

**NYCDOS 12TH GARAGE FLOOR (Continued)** **S103478327**

| | |
|---|---|
| Spiller Name: | WILLIAM FENNELL |
| Spiller Company: | DEPT OF SANITATION |
| Spiller Address: | 301 WEST 215TH ST |
| Spiller City,St,Zip: | NEW YORK, NY |
| Spiller County: | 001 |
| Spiller Contact: | JERRY KASPAR |
| Spiller Phone: | (800) 646-3161 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 184432 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KOLLEENY"This spill is closed to consolidate; refer to open spill #9604262 for this site, which is being remediated by LiRo Engineering under the NYCDDC Consent Order.-J. Kolleeny 1/6/05 |
| Remarks: | no product leakage - test is pass/fail - tanks are for diesel storage |

Material:

Tank Test:

| | |
|---|---|
| Site ID: | 262006 |
| Spill Tank Test: | 1544629 |
| Tank Number: | 1 |
| Tank Size: | 4000 |
| Test Method: | 20 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | USTest 2000/P/LL plus USTest 2000/U |
| Site ID: | 262006 |
| Spill Tank Test: | 1544630 |
| Tank Number: | 2 |
| Tank Size: | 4000 |
| Test Method: | 20 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | USTest 2000/P/LL plus USTest 2000/U |

| | |
|---|---|
| Site ID: | 210474 |
| Spill Number/Closed Date: | 9807598 / 10/26/1998 |
| Spill Date: | 9/21/1998 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 3101 |
| Investigator: | JAKOLLEE |
| Referred To: | Not reported |
| Reported to Dept: | 9/22/1998 |
| CID: | 211 |
| Water Affected: | Not reported |

**NYCDOS 12TH GARAGE FLOOR (Continued)** **S103478327**

| | |
|---|---|
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 9/22/1998 |
| Spill Record Last Update: | 12/21/2004 |
| Spiller Name: | JAY SHAH |
| Spiller Company: | NY CITY DEPT SANITATION |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | ZZ |
| Spiller County: | 001 |
| Spiller Contact: | JAY SHAH |
| Spiller Phone: | (718) 334-9138 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 184432 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KOLLEENY"GARAGE FOREMAN ASKED FOR TANK TEST BECAUSE OF INVENTORY RECONCILIATION DISCREPANCIES. TANK TESTED ON 9/21/98 BY PRO TEST ENTERPRISES USING HORNER EZY CHECK (UNDERFILL VACUUM TEST), AND FAILED. TANK RE-TESTED ON 10/13/98 BY CROMPCO CORP. USING UST 2000 TEST (UNDERFILL PRESSURE TEST) AND PASSED; TANK AND ALL PIPING APPEAR TIGHT. BASED ON THIS, KOLLEENY GAVE DOS APPROVAL TO PUT TANK BACK IN SERVICE. WILL VISIT SITE TO CHECK INVENTORY RECONCILIATION IN 30 DAYS. Not reported |
| Remarks: | Not reported |

Material:

| | |
|---|---|
| Site ID: | 210474 |
| Operable Unit ID: | 1068660 |
| Operable Unit: | 01 |
| Material ID: | 318680 |
| Material Code: | 0008 |
| Material Name: | Diesel |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 210474 |
| Spill Tank Test: | 1546278 |
| Tank Number: | 1 |
| Tank Size: | 4000 |
| Test Method: | 03 |
| Leak Rate: | 0 |
| Gross Fail: | F |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Horner EZ Check I or II |

**NYCDOS 12TH GARAGE FLOOR (Continued)** **S103478327**

SPILLS:

| | |
|---|---|
| Facility ID: | 9604408 |
| Facility Type: | ER |
| DER Facility ID: | 184432 |
| Site ID: | 223053 |
| DEC Region: | 2 |
| Spill Date: | 7/2/1996 |
| Spill Number/Closed Date: | 9604408 / 12/10/2004 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 3101 |
| Investigator: | JAKOLLEE |
| Referred To: | Not reported |
| Reported to Dept: | 7/2/1996 |
| CID: | 252 |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 7/2/1996 |
| Spill Record Last Update: | 7/18/2005 |
| Spiller Name: | ENSA ENVIRONMENTAL |
| Spiller Company: | DEPARTMENT OF SANITATION |
| Spiller Address: | 301 WEST 215TH STREET |
| Spiller City,St,Zip: | MANHATTAN, ZZ |
| Spiller Company: | 001 |
| Contact Name: | ENSA ENVIRONMENTAL |
| Contact Phone: | (914) 268-6660 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KOLLEENY"The Site is currently under remediation by LiRo. This spill is closed today, but refer to open spill # 9604262 for the same site.- IMDAD (12/10/04). |
| Remarks: | precision test done on gasoline line and it failed teststill under investigation |

Material:

| | |
|---|---|
| Site ID: | 223053 |
| Operable Unit ID: | 1032057 |
| Operable Unit: | 01 |
| Material ID: | 347169 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

**NYCDOS 12TH GARAGE FLOOR (Continued)** **S103478327**

Tank Test:

| | |
|---|---|
| Facility ID: | 0504296 |
| Facility Type: | ER |
| DER Facility ID: | 184432 |
| Site ID: | 349177 |
| DEC Region: | 2 |
| Spill Date: | 7/11/2005 |
| Spill Number/Closed Date: | 0504296 / 7/8/2008 |
| Spill Cause: | Other |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 3101 |
| Investigator: | ADZHITOM |
| Referred To: | NFA |
| Reported to Dept: | 7/11/2005 |
| CID: | 409 |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Local Agency |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 7/13/2005 |
| Spill Record Last Update: | 4/21/2009 |
| Spiller Name: | TONY CAGGIANO |
| Spiller Company: | DOSM12 |
| Spiller Address: | 301 WEST 215TH ST/9TH AVE |
| Spiller City,St,Zip: | MANHATTAN, NY |
| Spiller Company: | 001 |
| Contact Name: | TONY CAGGIANO |
| Contact Phone: | (516) 938-5476 |
| DEC Memo: | 7-13-2005 This site is remediated under NYCDDC CO. Monitoring borings were completed in April 2005 and the results showed compliance with TAGM 4046. Contacted Steve Frank (LiRo). Requested to map exact location of the excavated tanks, excavate all contaminated soil, install new soil borings/wells if this area is not covered by the previous investigation. AZ7-18-2005 Requested original laboratory data and tank closure report. AZ3-23-2006 Contacted Steve Frank (LiRo) and requested an update for the site. AZ3-21-2007 Reviewed monitoring report for November 2006 - January 2007. On December 6, 2006 the MPE system was off due to the blockage in the seal water piping. The system was repaired.M W-02 was destroyed. No gw compounds exceeded DEC Quality Criteria. Soil sampling will be performed. I requested that downgradient wells are sampled. AZ4-30-2008 An e-mail requesting identification, investigation and remediation of the tanks associated with the spill was sent to Jane Staten (URS)/VB. Conversation w/Jane Staten. I confirmed that DEC requested information about this tank closure but never received it. URS has to map the tanks and sow locations of sampling points and their results in the USTs area. J. Staten will look into it. AZ7-8-2008 I have reviewed a report for the above spill number dated June 2, 2008. URS stated in their report that in June 2005, The Franklin Company |

**NYCDOS 12TH GARAGE FLOOR (Continued)** **S103478327**

(Franklin) excavated three of five USTs contained in a vault located at the Manhattan 12 site. The USTs were identified as ##7, #10 and #11. The remaining two USTs located in the same tank vault, identified as #8, and #9, were previously closed in place (filled with concrete) in September 1996. Following removal of tanks #7, #10, and #11, Franklin collected five post-excavation samples. The analytical data showed that no compounds exceeded the NYSDEC TAGM #4046. Additional soil samples were collected in the vicinity of the tank vault. In July 2004 and April 2005, Liro collected confirmation soil samples to evaluate the effectiveness of the multiple-phase extraction system that began operating in March 2003. The analytical data showed that no compounds exceeded the NYSDEC TAGM #4046 recommended soil cleanup criteria. Collectively, the analytical data showed that soil in the vicinity of the tank vault had been remediated. Based on the submitted information, spill #0504296 is closed. An e-mail was sent to Jane Staten/DDC/V. Brevdo. AZ

Remarks: FLORENE , TRIMETHELBEZINE. WAS FOUND ON THE N POINT SAMPLES TAKN AFTER TANK REMOVAL. THREE TANKS REMOVED.

Material:

| | |
|---|---|
| Site ID: | 349177 |
| Operable Unit ID: | 1106808 |
| Operable Unit: | 01 |
| Material ID: | 2096127 |
| Material Code: | 0854A |
| Material Name: | BENZENE |
| Case No.: | 00071432 |
| Material FA: | Hazardous Material |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Facility ID: | 9604262 |
| Facility Type: | ER |
| DER Facility ID: | 184432 |
| Site ID: | 223052 |
| DEC Region: | 2 |
| Spill Date: | 6/28/1996 |
| Spill Number/Closed Date: | 9604262 / 8/6/2013 |
| Spill Cause: | Unknown |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 3101 |
| Investigator: | ADZHITOM |
| Referred To: | NFA |
| Reported to Dept: | 6/28/1996 |
| CID: | 252 |
| Water Affected: | Not reported |
| Spill Source: | Unknown |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |

**NYCDOS 12TH GARAGE FLOOR (Continued)** **S103478327**

| | |
|---|---|
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 6/28/1996 |
| Spill Record Last Update: | 8/6/2013 |
| Spiller Name: | WILLIAM FENNELL |
| Spiller Company: | DEPT OF SANITATION |
| Spiller Address: | 301 WEST 215TH ST |
| Spiller City,St,Zip: | NEW YORK, NY |
| Spiller Company: | 001 |
| Contact Name: | WILLIAM FENNELL |
| Contact Phone: | (718) 937-3286 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KOLLEENY"Also, refer to spill # 9604408. -II (12/14/04).Site was first investigated by Lehrer McGovern Bovis and Raritan Enviro Sciences; they installed a limited product recovery system, with recovered & treated groundwater (from depression pump) going to percolation trench. Site was transferred to LiRo, and they removed the old system and installed a more extensive multi-phase extraction system, which is currently operating to address soil and groundwater contamination and recover small amounts of free product.This site transferred from Kolleeny to A. Zhitomirsky on 4/15/05. - JK6-20-2005 Reviewed a Monitoring Report for January-March 2005. The report presented remedial system performance and groundwater monitoring data. The report stated that based on the site monitoring data, the MPE system is effectively treating contamination. In the report LiRo proposed to shut down Header No.2 and only operating the system on Header No.1. This will allow the system to operate on the remaining area of contamination. The Department concured with this proposal. AZ7-18-2005 Reviewed a Monitoring Report for April-June 2005. The report presented remedial system performance and groundwater monitoring data. The report stated that based on the site monitoring data, the MPE system is effectively treating contamination. In the report LiRo recommends installing ORC socks in wells MW-8 and MW-10 to treat MTBE in groundwater. The Department concured with this proposal. AZ12-27-2005. Reviewed a Monitoring Report for July - September 2005. The report presented remedial system performance and groundwater monitoring data. The report stated that based on the site monitoring data, the MPE system is effectively treating contamination. In the report LiRo recommended installing ORC socks in wells MW-9 and MW-13 to treat groundwater contamination. The Department concurred with this proposal. Also, the Department concurred with LiRo proposals to shut down extraction wells EW-5, EW-6, EW-9 and EW-10. Remaining extraction wells should continue to remediate remaining groundwater contamination. Proposed confirmation soil borings were approved. AZ4-5-2006 Reviewed a Monitoring Report for October - December 2005. The report presented remedial system performance and groundwater monitoring data. The report stated that based on the site monitoring data, the MPE system is effectively treating contamination. Gw and soil contamination exists in the area of MW-8, MW-10, and MW-13. LiRo recommended turning on wells EW-11,EW-12, EW-18 and EW-19. AZ5-11-2006 Reviewed a Monitoring Report for January - March 2006 received on April 13, 2006. The report presented remedial system performance and groundwater monitoring data. The system was shut down for 14 days in March 2006 due to sensor replacement. As of March 2006 LiRo is no longer the |

**NYCDOS 12TH GARAGE FLOOR (Continued)** **S103478327**

consultant fr the site. Gw and soil contamination exists in the area of MW-8, MW-10, and MW-13. AZ11-13-2006 Reviewed a Monitoring Report for April - July 2006 received on August 23, 2006. The report presented remedial system performance and groundwater monitoring data. MW-03 is apparently short circuited by EW-08. Wells MW-05, MW-10 and MW-14 were not accessible for sampling. A confirmation soil plan will be prepared by URS. AZ1-2-2006 Reviewed a Confirmation Soil Plan dated September 26, 2006, and a Monitoring report for August through October 2006 dated November 14, 2006. Low vacuum in MW- 3, MW-7, MW-14. URS recommended advancement of three new borings in contaminated areas. AZ1-3-2006 Could not locate borings which encountered contaminated soil in previous investigations on the site plan. GW Samples were not collected from MW-10, MW-12, MW-09 since they were unaccessible due to the parked vehicles. I informed Jane Staten that all wells should be sampled in order to apply for NFA. Contacted Jane Staten (URS) via e-mail and phone and requested clarification of the boring locations. AZ3-20-2007 Contacted Jane Staten (URS). URS provided clarifications following DEC request for existing borings locations. 3 confirmation borings will be advanced. The dual phase system is down due to the liquid ring pump failure since February 17, 2007. System repairs will be postponed until the full round of gw and soil sampling is performed. AZ3-21-2007 Reviewed monitoring report for November 2006 - January 2007. On December 6, 2006 the MPE system was off due to the blockage in the seal water piping. The system was repaired.M W-02 was destroyed. No gw compounds exceeded DEC Quality Criteria. Soil sampling will be performed. I requested that downgradient wells are sampled. AZ11-20-2007 Reviewed report dated Aug.7, 2007. A spike in MTBE level in MW-12 (2,100 ppb). The soil analytical results showed sliight exceedances but PID readings were high and petro odor noticed. URS proposed additional soil borings UBR-04,UBR-05 and UBR-06 near UBR-01,UBR-02 and UBR-03. No groundwater map with the plume was submitted. Spoke with Jane Staten and sent the following e-mail: "As per our discussion of the above site, proposed soil borings are approved. The report submitted on August 13, 2007, did not contain groundwater map with the contaminant plume. Whenever groundwater sampling is performed, groundwater plume map with the latest sampling results should be compiled. I concur with your proposals to sample all existing groundwater wells. Special attention should be given to sampling the downgradient wells." AZ4-29-2008 Reviewed Contamination Soil Sampling Results/Recommended strategy report dated February 5, 2008. MTBE contamination ranged from 24 ppb to 1,100 ppb in two wells. There is a slight rise in MTBE concentrations in MW-12 over the last three sampling events. Recent soil sampling showed a significantly elevated concentration of total xylenes in UBR-04 (8’ TO 10’ bgs) - 44, 000. MPE system is off-line. The Harlem River is situated approximately 200’ from the site. Discussed the site with Jane Staten (URS). I proposed to install ORC socks in MW-12 and leave MPE system in-place. Jane Staten proposed quarterly monitoring of the select wells. An e-mail with these conclusions was sent to URS/DDC/VB. AZ12-24-2008 Reviewed Groundwater monitoring data through 2nd quarter 2008 dated August 8, 2008.ORC sock was installed in MW-12 in June 2008. Monitoring was performed on July 14, 2008. Well MW-12 exhibited MTBE at a concentration of 340 ppb. No other VOCs were detected in MW-12. The improved groundwater quality in MW-12 may be attributed to the ORC socks. AZ1-8-2009 Reviewed Groundwater monitoring data through 3rd quarter 2008 dated November 14, 2008. It appears that the ORC

**NYCDOS 12TH GARAGE FLOOR (Continued)** **S103478327**

sock placed in MW-12 should be replaced, however MW-12 box needs repair, the sock will be installed after the repairs are made. The work was planned for December 2008. In October 2008 all wells were sampled.. MTBE was the only contaminant detected. Concentrations ranged from 23 ppb to 720 ppb. Concentration of MTBE has increased from 340 ppb to 720 ppb in MW-12. AZ5-14-2009 Reviewed groundwater monitoring data through 1st quarter 2009 dated February 16, 2008. In January 2009 all wells were sampled. MW-08 and MW-12 exhibited MTBE at concentrations of 260 ppb and 42 ppb respectively. MW-12 also exhibited benzene slightly above criteria. Well MW-08 exhibited an unexpected increase in MTBE concentrations. AZ9-21-09 Reviewed groundwater monitoring data through 2nd quarter 2009 dated May 27, 2009. In April 2009 all wells were sampled. MW-08, MW-10 and MW-13 exhibited MTBE at concentrations ranging from 25 ppb to 260 ppb. DEC requested installation of ORC socks which were consequently installed. The ORC socks in MW-12 are improving groundwater quality MTBE concentrations in this well continues to decrease. Well MW-9 was destroyed. AZ1-26-10 Reviewed groundwater monitoring data through 3rd quarter 2009 dated August 25, 2009. In July 2009 all wells were sampled. MW-08, MW-10,MW-‘12 and MW-13 exhibited MTBE at concentrations ranging from 12 ppb to 310 ppb. DEC requested installation of ORC socks which were consequently installed. URS will replace ORC sock in well MW-12 to reduce MTBE concentrations. Well MW-9 was destroyed. AZ2-16-2010 Reviewed groundwater monitoring data through 4th quarter 2009 dated October 28, 2009. Wells exhibited MTBE at concentrations ranging from 11 ppb to 85 ppb. Well MW-9 was destroyed. AZ4-21-2010 Reviewed groundwater monitoring data through 1ST quarter 20010 dated February 17, 2010. Well MW-08 exhibited MTBE at concentrations of 100 ppb and MW-12 exhibited MTBE at concentrations of 260 ppb. ORC sock was placed in well MW-12 and may have contributed to the decrease of MTBE concentrations. Analytical data for well MW-08 sine October 2007 shows fluctuating MTBE concentrations and there is no decreasing contamination trend in this well. AZ4-23-2010 An e-mail was sent to J. Staten (URS):"I have reviewed groundwater monitoring data through 1st quarter 2010 for the above site. Well MW-08 exhibited MTBE at concentrations of 100 ppb and well MW-12 exhibited MTBE at concentrations of 260 ppb. ORC sock was placed in well MW-12 and may have contributed to the decrease of MTBE concentrations. Analytical data for well MW-08 sine October 2007 shows fluctuating MTBE concentrations and there is no decreasing contamination trend in this well. URS proposed spill closure for this site. Spill closure can not be granted at this time. However, monitoring reports could be submitted semi-annually. ORC sock should be placed in MW-8, if this has not been done before." AZ2-17-2011 An e-mail was sent to K.Shenahan/Asbagh/V. brevdo:"I have reviewed semi-annual monitoring report for the above site dated October 13, 2010. Monitoring well MW-06 can be removed from the scheduled sampling." AZ2-18-2011 Discussed this site with URS at the quarterly meeting. URS informed DEC that MW-06 had a reading of about 300 pbb in January. DEC requested continuing monitoring of MW-06. An e-mail was sent to URS on 2-18-2011. AZ7-8-2011 Reviewed gw monitoring report through February 2011 and dated May 19, 2011. An email was sent to URS/DDC/V. Brevdo: "Dear Kevin,I have reviewed a quarterly monitoring report through February 2011 and dated May 19, 2011, for the above site. The report states that there are some discrepancies in the tank inventory between URS’s records and PBS records. This discrepancy should be clarified. A site visit should be conducted to

**NYCDOS 12TH GARAGE FLOOR (Continued)** **S103478327**

confirm the tanks status. If necessary, GPR studies should be performed to verify if the tanks in question are removed or closed in place.After discrepancies are clarified, a corrected PBS form should be submitted to NYSDEC PBS Section. Contamination was unexpectedly found in a monitoring well MW-6. As per URS recommendation, if re-sampling confirms contamination, an investigation should be performed to determine the extent of the problem." AZ8-6-2012 The spill was discussed at the DEC/DDC/URS meeting on August 2, 2012. Groundwater monitoring report for the fourth quarter 2011 and first quarter 2012, dated May 17,2012 was discussed. The report stated that all available wells were sampled. However, wells EW-08 AND EW-20 were blocked, EW-09 was destroyed, EW-02 and EW-11 had obstructions in the well. It was decided that URS will attempt to sample blocked wells. Regarding the wells which were destroyed and/or had obstructions, historical data will be submitted to DEC. Groundwater results in nine wells exceeded VOC criteria. Also, after removal of ORC socks, concentrations in three wells rebounded: MW-12 (from 30 ppb to 300 ppb),EW-11 (from 0 ppb to 171 ppb) and EW-13 (from 0 ppb to 200 ppb). URS will continue monitoring this site. I have discussed the site with K. Shenahan over the phone. AZ8-7-2012 E-mail received from K. Shenahan:"Alex,We are sampling the extraction wells - they are designated as EW wells. Only two EW wells are not functioning.EW-02 could not be sampled due to an obstruction. It is relatively close to the boundary of dissolved-phase contamination, located between wells MW-13 and MW-14, and about 15 feet or so from each. Analytical data from MW-13 and MW-14 over the past 5 years shows low contamination. EW-09 is reported as being destroyed. It is upgradient from the plume, and total VOCs in nearby wells have been 2 ppb or Not Detected over the past 5 years.I recommend that we sample the wells listed and if the levels are such that we could petition for closure we could see if it is necessary to acquire data from these locations."AZ 6-7-2012 An e-mail received from URS:"From: McDaid, Daniel Sent: Tuesday, August 07, 2012 4:19 PMTo: Shanahan, KevinSubject: RE: Man W12 samplingWells within the boundary of dissolved-phase contamination: MW-06 MW-08 MW-10 MW-12 EW-01 EW-11 EW-12 EW-15 EW-18The following wells were not sampled (green font indicates that the sample collection could be re-attempted): EW-02 - Obstruction EW-08 - Vehicle parked over well EW-09 - Destroyed EW-16 - Not enough water EW-20 - Vehicle parked over wellIn summary, here is a full list of wells to be sampled during the upcoming site visit: MW-06 MW-08 MW-10 MW-12 EW-01 EW-08 - Vehicle parked over well EW-11 EW-12 EW-15 EW-16 - Not enough water EW-18 EW-20 - Vehicle parked over wellNotesEW-02 could not be sampled due to obstruction. It is relatively close to the boundary of dissolved-phase contamination, located between wells MW-13 and MW-14, and about 15 feet or so from each. Analytical data from MW-13 and MW-14 over the past 5 years shows minimal contamination (See attached). EW-09 is reported as being destroyed. It is upgradient from the plume, and total VOCs in nearby wells (See attached) have been 2ppb or ND over the past 5 years. URS has never sampled any of the extraction wells before, and there is no historical data for these wells in the ISRP."
AZ11-19-2012 Discussed the site with K. Shenahan. There is persistant MTBE contamination probably related to soil MTBE contamination. A soil map attached to the report is not legible. URS will submit another map. AZ11-20-2012 Email from K.Shanahan:"Alex,Yesterday you called me to discuss the above referenced site and specifically URS' report dated September 21, 2012 . You indicated that Figure 3 in

**NYCDOS 12TH GARAGE FLOOR (Continued)** **S103478327**

Attachment B was not legible enough to discern the boring locations. I have sent you a hard copy in a separate letter. In the meantime, the pdf version is attached." AZ11-21-2012 An e-mail was sent to K. SHenahan and V. Brevdo"Dear Kevin, We have discussed this site yesterday and today. The groundwater at the site still has MTBE contamination which exceeds the standards by an order of magnitude. A reason for this contamination could be that soil at the site was grossly contaminated with MTBE. In order to trace groundwater contamination we need to prepare detailed soil maps showing original soil contaminant levels and the latest confirmation soil borings results. It was agreed that URS will submit these maps to DEC. Sincerely, Alexander Zhitomirsky" 5-13-2013 On April 3 and 4, 2012, URS sampled monitoring wells. The data showed that the groundwater in the northeastern corner of the sanitation garage continued to be impacted with low concentrations of volatile organic compounds (VOCs) including MTBE. The highest total VOC concentration detected was in MW-12 with 300 ppb (MTBE was the only compound detected).I have reviewed a Historical Soil Sampling Analytical Results report dated February 1, 2012. The report stated that free phase at the site was treated by a passive product recovery system which was converted to operate as an active groundwater and product recovery system. Also, product recovery was performed using a vac truck. A multi-phase extraction system was constructed at the site in 2003 and was shut down due to equipment failure in 2007. The site still has lingering groundwater impacts detected in the northeastern corner near the dispensers. Given the most current soil and groundwater data for the site, URS recommended natural attenuation of remaining soil and groundwater contamination. URS recommended no further action for this site. The report stated that soil sampling completed after MPE system was terminated. In 2007 soil samples were collected. PID screening had elevated measurements indicating petroleum constituents. Moderately elevated VOC exceedances were present in the sample collected from UBR-04. AZ8-5-2013 Reviewed Groundwater Monitoring Report and Request for Spill Closure dated May 10, 2013. A total of 1,018 gallons of product were reported as being collected by RES through 1999. LiRo reported collecting an additional 88 gallons of free product.. No free product has been observed at the site since September 2003. The most recent soil sampling was conducted in 2007/2008. The soil data indicated that a limited area of contamination remained in the area of MW-08, MW-12, and MW-13 near the former dispenser area. The highest total VOC concentration was about 46,000 ppb. groundwater sampling from from January 2013 ranged from 52 PPB TO 224 PPB in those wells with exceedances of the the NYSDEC criteria. In the latest sampling event in April 2013, the highest total VOC concentration observed was 175 ppb.Based on the above information,URS requested that DEC close spill number 9604262. This request is approved and the spill number is closed.However, there are some discrepancies between the PBS registration and URS' current understanding of the tanks status. A number of tanks are listed in the PBS database as aboveground tanks (ASTs) tanks were closed in place. It is assumed that most if not all of these ASTs were removed from the site.Additionally, PBS lists tanks Nos. 008 and 009 as closed in place, although URS believes that these tanks have been removed. URS should perform a site inspection and very the tanks status. An updated PBS information should filed. URS inform NYSDEC when the above information is filed. AZ8-6-2013 The following e-mail was sent to Kevin Shenahan, M. Asbagh and Vadim Brevdo:Dear Kevin, I

**NYCDOS 12TH GARAGE FLOOR (Continued)** **S103478327**

have reviewed Groundwater Monitoring Report and Request for Spill Closure dated May 10, 2013. A total of 1,018 gallons of product were reported as being collected by RES through 1999. LiRo reported collecting an additional 88 gallons of free product. No free product has been observed at the site since September 2003. The most recent soil sampling was conducted in 2007/2008. The soil data indicated that a limited area of contamination remained in the area of MW-08, MW-12, and MW-13 near the former dispenser area. The highest total VOC concentration was about 46,000 ppb. Groundwater sampling results from January 2013 sampling event, ranged from 52 ppb to 224 ppb, in those wells with exceedances of the NYSDEC criteria. In the latest sampling event in April 2013, the highest total VOC concentration observed was 175 ppb. Based on the above information,URS requested that DEC close spill number 9604262. This request is approved and the spill number is closed. However, there are some discrepancies between the PBS registration and URS' current understanding of the tanks status. A number of tanks are listed in the PBS database as aboveground tanks (ASTs) tanks closed in place. It is assumed by URS that most, if not all of these ASTs, were removed from the site.Additionally, PBS lists tanks Nos. 008 and 009 as closed in place, although URS believes that these tanks have been removed. URS should perform a site inspection and verify the status of the tanks. An updated PBS information should filed with the PBS Section of NYSDEC. URS should inform NYSDEC when the above information is filed. Based on the documentation provided to date, the New York State Department of Environmental Conservation (the Department) has closed the spill case number 9604262. All wells associated with this project should be closed according to the Department's Groundwater Monitoring Well Decommissioning Procedures. All wells should gaged for the presence of free product before closure. The Department hereby reserves all of its rights concerning, and such forbearance shall not extend to, any further investigation or remedial action the Department deems necessary due to: I. The off-site migration of petroleum contaminants that was unknown at the time of this closure. II. Environmental conditions related to this spill case which were unknown to the Department at the time of this closure. III. Information received, in whole or part, after the Department's spill case closure, which indicates the corrective action was not sufficiently protective of human health and/or the environment. IV. Fraud in obtaining this spill case closure determination. As a precaution, we must bring your attention to our concerns for the future use of this site. If subsurface contamination is encountered while excavating for any construction activity, appropriate remedial and vapor mitigation efforts must be taken to fully prevent vapor intrusion into any site development and to ensure human health and safety. This spill closure does not exempt the Responsible Parties from compliance with any applicable laws and regulations. Please be advised that you should maintain a permanent file of all documentation and correspondence regarding this case for future use as the Department's files may not be maintained indefinitely. Sincerely,Alexander Zhitomirsky

Remarks: upon drilling for wells soil contamination was discoveredstill under investigation at this time

Material:

Site ID: 223052
Operable Unit ID: 1031914
Operable Unit: 01

**NYCDOS 12TH GARAGE FLOOR (Continued)** **S103478327**

| | |
|---|---|
| Material ID: | 350550 |
| Material Code: | 0008 |
| Material Name: | Diesel |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Facility ID: | 1007143 |
| Facility Type: | ER |
| DER Facility ID: | 184432 |
| Site ID: | 440532 |
| DEC Region: | 2 |
| Spill Date: | 10/4/2010 |
| Spill Number/Closed Date: | 1007143 / 10/4/2010 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Not reported |
| SWIS: | 3101 |
| Investigator: | JBVOUGHT |
| Referred To: | Not reported |
| Reported to Dept: | 10/4/2010 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 10/4/2010 |
| Spill Record Last Update: | 10/4/2010 |
| Spiller Name: | Not reported |
| Spiller Company: | NYCDOS |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | NY |
| Spiller Company: | 999 |
| Contact Name: | CHRIS LANARES |
| Contact Phone: | (646) 885-4855 |
| DEC Memo: | 10/4/10-Vought-Primary off hours responder. Called and spoke to NYCDOS Chris Lanares (646-885-4855) and spill was from leaking hydraulic hose from oil tank and cleanup acheived via 30 bags of speedy dry. Tank ia 3000-gallon UST. Spill did affect drains in building that lead to oil water separator. Oil water separator will be checked and emptied as well if necessary. Spill closed by Vought as no effect to soil or groundwater. |
| Remarks: | 200 gallons of hydraulic oil spilled onto floor. Contained at this time. Clean up will be done by private company. |

Material:

**NYCDOS 12TH GARAGE FLOOR (Continued)** **S103478327**

| | |
|---|---|
| Site ID: | 440532 |
| Operable Unit ID: | 1191144 |
| Operable Unit: | 01 |
| Material ID: | 2186266 |
| Material Code: | 0010 |
| Material Name: | Hydraulic Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 200 |
| Units: | Gallons |
| Recovered: | 200 |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**Z177** **MACRACKEN HALL** **NY LTANKS** **S109583695**
**South** **2155 UNIVERSITY AVE** **N/A**
**1/4-1/2** **BRONX, NY**
**0.360 mi.**
**1903 ft.** **Site 3 of 4 in cluster Z**

**Relative:**
**Higher**

**Actual:**
**138 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 410946 |
| Spill Number/Closed Date: | 0813266 / 9/21/2009 |
| Spill Date: | 3/10/2009 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | True |
| SWIS: | 0301 |
| Investigator: | JMKRIMGO |
| Referred To: | Not reported |
| Reported to Dept: | 3/10/2009 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/10/2009 |
| Spill Record Last Update: | 9/21/2009 |
| Spiller Name: | MIKE DILLON |
| Spiller Company: | BRONX COMM. COLLEGE |
| Spiller Address: | 2155 UNIVERSITY AVE |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller County: | 999 |
| Spiller Contact: | MIKE DILLON |
| Spiller Phone: | (718) 289-5258 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 360181 |
| DEC Memo: | PBS 2-107204 - TTF Letter sent on 3/26/2009Sangesland spoke to Mike |

**MACRACKEN HALL (Continued)** **S109583695**

Dillon at Building Facilities Dept.Gaskets on top of the tank were loose, repairs have been scheduled.Tank appears to be OK9/21/09. J.Krimgold reviewed a letter submitted by Bronx Community College and dated July 14, 2009. According to the letter the tank failed the test due to two loose fittings on the to of the tank. Fittings were fixed. No release. Case closed.

Remarks: Caller states they had a fitting failure on a 1080 gallon ast. No spill or resources affected.

Material:

| | |
|---|---|
| Site ID: | 410946 |
| Operable Unit ID: | 1167411 |
| Operable Unit: | 01 |
| Material ID: | 2158963 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | Not reported |
| Recovered: | Not reported |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**AA178** **NYC DOS** **NY LTANKS** **S109063125**
**North** **301 WEST 215TH ST.** **NY Spills** **N/A**
**1/4-1/2** **NEW YORK, NY**
**0.364 mi.**
**1924 ft.** **Site 2 of 4 in cluster AA**

**Relative:**
**Lower**

**Actual:**
**9 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 398724 |
| Spill Number/Closed Date: | 0802569 / 8/21/2008 |
| Spill Date: | 6/6/2008 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 3101 |
| Investigator: | vszhune |
| Referred To: | Not reported |
| Reported to Dept: | 6/6/2008 |
| CID: | 444 |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 6/6/2008 |
| Spill Record Last Update: | 8/21/2008 |
| Spiller Name: | JAY SHAH |

**NYC DOS (Continued)** **S109063125**

| | |
|---|---|
| Spiller Company: | SANITATION GARGE |
| Spiller Address: | 301 WEST 215TH STREET |
| Spiller City,St,Zip: | NEW YORK, NY |
| Spiller County: | 001 |
| Spiller Contact: | JAY SHAH |
| Spiller Phone: | (718) 334-9138 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 348068 |
| DEC Memo: | 7/15/2008 TTF sent to:NYC Dept of SanitationDirector of Equipment125 Worth StreetNew York, NY 10013see eDocsSpill Closed - Duplicate spill case - Refer to spill #0802073 |
| Remarks: | TANK WAS OK BUT SUNCTION LINE FAILED |

Material:

| | |
|---|---|
| Site ID: | 398724 |
| Operable Unit ID: | 1155595 |
| Operable Unit: | 01 |
| Material ID: | 2146472 |
| Material Code: | 0022 |
| Material Name: | Waste Oil/Used Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 398724 |
| Spill Tank Test: | 2486229 |
| Tank Number: | Not reported |
| Tank Size: | 2000 |
| Test Method: | 03 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Watchdog |
| Last Modified: | 6/6/2008 |
| Test Method: | Horner EZ Check I or II |

SPILLS:

| | |
|---|---|
| Facility ID: | 0802073 |
| Facility Type: | ER |
| DER Facility ID: | 347519 |
| Site ID: | 398147 |
| DEC Region: | 2 |
| Spill Date: | 5/22/2008 |
| Spill Number/Closed Date: | 0802073 / 3/9/2010 |
| Spill Cause: | Unknown |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 3101 |
| Investigator: | adzhitom |
| Referred To: | NFA |

**NYC DOS (Continued)** **S109063125**

| | |
|---|---|
| Reported to Dept: | 5/22/2008 |
| CID: | 406 |
| Water Affected: | Not reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 5/22/2008 |
| Spill Record Last Update: | 3/9/2010 |
| Spiller Name: | JAY SHAW |
| Spiller Company: | NYC DOS |
| Spiller Address: | 301 WEST 215TH ST. |
| Spiller City,St,Zip: | NEW YORK, NY |
| Spiller Company: | 001 |
| Contact Name: | JAY SHAW |
| Contact Phone: | (718) 334-9138 |
| DEC Memo: | Double walled tank, line, sump and they found oil in the sump. When F&N opened up the "boot" they found the whole secondary containment was filled with oil. DOS foreman said that the tank & system was taken out of service for repairs.8-6-2008 An e-mail was sent to DDC/URS/V. Brevdo: "There is a new spill caused by a hydraulic oil tank. The spill records state that oil was found in the sump. F&N found that the whole secondary containment was filled with oil. DOS foreman said that the tank & system was taken out of service for repairs. The tank area should be investigated. Please submit an investigation plan to DEC." AZ8/21/2008 There was a duplicate spill number for this tank test failure.Spill # 0802569 was closed out and referred to this case.8-21-2008 Received a NYC DOS report stating that the motor oil tank #2 (2,000 gallon UST) failed an air tightness test. Follow up testing by Fenley & Nicol showed that there is a leak in the piping (suction line). NYC DOS suspended use of this tank. I sent an e-mail to DDC/URS/V. Brevdo requesting investigation of the spill. AZ3-9-2010 Reviewed URS report dated August 20, 2009. The report stated that the cause of this spill was a failed tightness test of the suction line associated with 2,000-gallon motor oil UST. In May 2009 Franklin Company Contractors initiated work by tightness testing the suction line. The primary, inner line was tested at 30 psi and the secondary, outer pipe was tested at 5 psi for 30 minutes. During the test, Franklin observed that pressure in the primary pipe dropped while pressure in the secondary pipe increased. These results indicated that there was a break in the primary line but that the secondary pipe was tight. Any release from the primary pipe was contained by the secondary pipe and returned to the tank sump. Franklin excavated and removed the entire length of the old suction line. Franklin found no break in the secondary line and no evidence of soil contamination. Franklin installed and tightness tested a new double-walled suction line. Based on the above information, URS requested closure of this spill number. The request is granted. The e-mail confirming spill closure was sent to J. Staten, Ms. Asbagh (NYC DDDC) and V. Brevdo. AZ |
| Remarks: | Motor oil line failed. Material is leaking into the piping sump. No impact to the environment. The line will be taken out of service and repaired. Unknown who is doing the repair work. |

**NYC DOS (Continued)** **S109063125**

Material:

| | |
|---|---|
| Site ID: | 398147 |
| Operable Unit ID: | 1155049 |
| Operable Unit: | 01 |
| Material ID: | 2145895 |
| Material Code: | 0010 |
| Material Name: | Hydraulic Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**AA179** **NYC DEPT OF SANITATION** **NY LTANKS** **S112810188**
**North** **301 WEST 215TH ST** **N/A**
**1/4-1/2** **NEW YORK, NY**
**0.364 mi.**
**1924 ft.** **Site 3 of 4 in cluster AA**

**Relative:**
**Lower**

**Actual:**
**9 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 477611 |
| Spill Number/Closed Date: | 1214373 / 5/16/2013 |
| Spill Date: | 1/8/2013 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 3101 |
| Investigator: | SFRAHMAN |
| Referred To: | Not reported |
| Reported to Dept: | 1/8/2013 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1/8/2013 |
| Spill Record Last Update: | 5/16/2013 |
| Spiller Name: | JAY SHAW |
| Spiller Company: | NYC DEPT OF SANITATION |
| Spiller Address: | 301 WEST 215TH ST |
| Spiller City,St,Zip: | NEW YORK, NY |
| Spiller County: | 999 |
| Spiller Contact: | JAY SHAW |
| Spiller Phone: | (718) 334-9138 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 432904 |

**NYC DEPT OF SANITATION (Continued)** **S112810188**

DEC Memo: Left messege for Michael and Jay Shah.(sr)** Closure report in edocs.Tank passed test.No release to the environment, contained in secondary containment.**
Remarks: unk retest, tank contents removed

Material:
Site ID: 477611
Operable Unit ID: 1227412
Operable Unit: 01
Material ID: 2224734
Material Code: 0303A
Material Name: ETHANOL
Case No.: 00064175
Material FA: Other
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Resource Affected: Not reported
Oxygenate: False

Tank Test:

---

**AA180** **NYC DEPT OF SANTIATION** **NY LTANKS** **S104950950**
**North** **301 WEST 214TH ST** **N/A**
**1/4-1/2** **NEW YORK, NY**
**0.367 mi.**
**1940 ft.** **Site 4 of 4 in cluster AA**

**Relative:**
**Lower**

**Actual:**
**9 ft.**

LTANKS:
Site ID: 93352
Spill Number/Closed Date: 0012251 / 12/2/2003
Spill Date: 2/14/2001
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: True
SWIS: 3101
Investigator: JAKOLLEE
Referred To: Not reported
Reported to Dept: 2/14/2001
CID: 389
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2/14/2001
Spill Record Last Update: 12/2/2003
Spiller Name: Not reported
Spiller Company: NYC DEPT OF SANTIATION
Spiller Address: 301 WEST 214TH ST
Spiller City,St,Zip: NEW YORK, NY
Spiller County: 001

**NYC DEPT OF SANTIATION (Continued)** **S104950950**

| | |
|---|---|
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 83695 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KOLLEENY"BOTH TANKS WERE PULLED IN OCTOBER 2002; POST-EXCAVATION SOIL SAMPLES SHOWED NO SIGNIFICANT IMPACT. OK TO CLOSE. |
| Remarks: | CALLER REPORTING A FAILED TANK TEST NO RELEASE |

Material:

| | |
|---|---|
| Site ID: | 93352 |
| Operable Unit ID: | 834152 |
| Operable Unit: | 01 |
| Material ID: | 542529 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 93352 |
| Spill Tank Test: | 1526097 |
| Tank Number: | 1 |
| Tank Size: | 12000 |
| Test Method: | 99 |
| Leak Rate: | 0 |
| Gross Fail: | F |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Alternate Test per 613.5a2v |
| Site ID: | 93352 |
| Spill Tank Test: | 1526098 |
| Tank Number: | 2 |
| Tank Size: | 12000 |
| Test Method: | 99 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Alternate Test per 613.5a2v |

**Z181 SSE 1/4-1/2 0.368 mi. 1945 ft.** | **WEST 181ST STREET. WEST 181ST STREET BRONX, NY** | **NY LTANKS** | **S100494383 N/A**

**Site 4 of 4 in cluster Z**

**Relative: Higher**

**Actual: 140 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 130505 |
| Spill Number/Closed Date: | 9209815 / 3/25/1998 |
| Spill Date: | 11/20/1992 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | BATTISTA |
| Referred To: | Not reported |
| Reported to Dept: | 11/23/1992 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 12/1/1992 |
| Spill Record Last Update: | 3/25/1998 |
| Spiller Name: | Not reported |
| Spiller Company: | Not reported |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | ***Update***, ZZ |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 112451 |
| DEC Memo: | Not reported |
| Remarks: | VISUAL LEAK-REPAIR AND DETEST TO BE DONE SOMETIME SOON |

Material:

| | |
|---|---|
| Site ID: | 130505 |
| Operable Unit ID: | 976371 |
| Operable Unit: | 01 |
| Material ID: | 406848 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | -1 |
| Units: | Pounds |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

**WEST 181ST STREET. (Continued)** **S100494383**

| | |
|---|---|
| Site ID: | 130505 |
| Spill Tank Test: | 1540884 |
| Tank Number: | Not reported |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |

---

**AB182** **2559 SEDGEWICK AVE** **NY LTANKS** **U001834976**
**NNE** **2559 SEDGWICK AVE** **NY HIST UST** **N/A**
**1/4-1/2** **BRONX, NY 10468**
**0.382 mi.**
**2017 ft.** **Site 1 of 3 in cluster AB**

**Relative:**
**Higher**

**Actual:**
**135 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 94075 |
| Spill Number/Closed Date: | 9800488 / 2/19/2003 |
| Spill Date: | 4/10/1998 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Private Dwelling |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | ADMIN. CLOSED |
| Referred To: | Not reported |
| Reported to Dept: | 4/13/1998 |
| CID: | 211 |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 4/13/1998 |
| Spill Record Last Update: | 2/24/2003 |
| Spiller Name: | ELLIOTT NORWALK |
| Spiller Company: | Not reported |
| Spiller Address: | 2559 SEDGEWICK AV |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller County: | 001 |
| Spiller Contact: | ELLIOTT NORWALK |
| Spiller Phone: | (516) 295-0151 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 84260 |
| DEC Memo: | Not reported |
| Remarks: | CLOSED DUE TO LACK OF ANY RECENT INFO - DOES NOT MEET ANY CLEANUP REQUIREMENTS. |

Material:

| | |
|---|---|
| Site ID: | 94075 |

**2559 SEDGEWICK AVE (Continued)** **U001834976**

| | |
|---|---|
| Operable Unit ID: | 1061019 |
| Operable Unit: | 01 |
| Material ID: | 322455 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 94075 |
| Spill Tank Test: | 1545769 |
| Tank Number: | 1 |
| Tank Size: | 10000 |
| Test Method: | 03 |
| Leak Rate: | 0 |
| Gross Fail: | F |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Horner EZ Check I or II |

HIST UST:

| | |
|---|---|
| PBS Number: | 2-257664 |
| SPDES Number: | Not reported |
| Emergency Contact: | L&C BURNER SERVICE |
| Emergency Telephone: | (718) 842-9000 |
| Operator: | JOHN DANCIU |
| Operator Telephone: | (718) 295-6517 |
| Owner Name: | 2559 SEDGWICK REALTY LLC |
| Owner Address: | 145 HUGUENOT STREET |
| Owner City,St,Zip: | NEW ROCHELLE, NY 10801 |
| Owner Telephone: | (914) 637-6200 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Name: | 2559 SEDGWICK REALTY LLC |
| Mailing Address: | 145 HUGUENOT STREET |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | NEW ROCHELLE, NY 10801 |
| Mailing Contact: | 2559 SEDGWICK REALTY LLC |
| Mailing Telephone: | (914) 637-6200 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Facility Addr2: | 2559 SEDGWICK AVE |
| SWIS ID: | 6001 |
| Old PBS Number: | Not reported |
| Facility Type: | APARTMENT BUILDING |
| Inspected Date: | Not reported |
| Inspector: | Not reported |
| Inspection Result: | Not reported |

**2559 SEDGEWICK AVE (Continued)** **U001834976**

| | |
|---|---|
| Federal ID: | Not reported |
| Certification Flag: | False |
| Certification Date: | 05/15/2000 |
| Expiration Date: | 07/10/2002 |
| Renew Flag: | False |
| Renewal Date: | Not reported |
| Total Capacity: | 17000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | Minor Data Missing |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank Id: | 001 |
| Tank Location: | UNDERGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (gals): | 10000 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not reported |
| Tank External: | Not reported |
| Pipe Location: | Not reported |
| Pipe Type: | Not reported |
| Pipe Internal: | Not reported |
| Pipe External: | Not reported |
| Second Containment: | Diking |
| Leak Detection: | None |
| Overfill Prot: | Product Level Gauge |
| Dispenser: | Suction |
| Date Tested: | 12/01/1998 |
| Next Test Date: | 12/01/2003 |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Horner EZ Check |
| Deleted: | False |
| Updated: | True |
| Lat/long: | Not reported |

---

**AB183** **VA HOSPITAL** **NY LTANKS** **S106385516**
**NE** **UNIVERSITY WEBB AND SEGEW** **N/A**
**1/4-1/2** **BRONX, NY**
**0.388 mi.**
**2051 ft.** **Site 2 of 3 in cluster AB**

**Relative:**
**Higher**

**Actual:**
**172 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 113421 |
| Spill Number/Closed Date: | 0313384 / 6/4/2004 |
| Spill Date: | 3/5/2004 |
| Spill Cause: | Tank Overfill |
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |

**VA HOSPITAL (Continued)** **S106385516**

| | |
|---|---|
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | SKARAKHA |
| Referred To: | Not reported |
| Reported to Dept: | 3/5/2004 |
| CID: | 405 |
| Water Affected: | Not reported |
| Spill Notifier: | Federal Government |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/5/2004 |
| Spill Record Last Update: | 6/4/2004 |
| Spiller Name: | Not reported |
| Spiller Company: | Not reported |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | ***Update***, ZZ |
| Spiller County: | 001 |
| Spiller Contact: | RON ELLOIT |
| Spiller Phone: | (212) 580-6763 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 98980 |
| DEC Memo: | E2MIS 15238305 MARCH 2004 17:57 HrsI&A Operating Supervisor Roy Eaton, 39281, reported that crews spilled 3 gallons of dielectric fluid onto the concrete floor of the vault where the spill was contained. This is private property. No fire or smoke is/was involved. No sewers or waterway was affected. Cleanup is in progress.Bx/West OS. J. Hardman # 00753 reports the crew cleaned the affected area with absorbant pads,Oil degreasor and speedy dry. Generated 2-55 gallon drums of non-hazardous debris (As per R. Eaton # 39281 from history) which will be left on site for a later removal. Cleanup complete. |
| Remarks: | spill came from transformer vault 4194. Clean up is in progress. |

Material:

| | |
|---|---|
| Site ID: | 113421 |
| Operable Unit ID: | 878606 |
| Operable Unit: | 01 |
| Material ID: | 498535 |
| Material Code: | 0541A |
| Material Name: | DIELECTRIC FLUID |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 3 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

**AB184** **130 W KINGSBRIDGE RD/BX** **NY LTANKS** **S100146962**
**NE** **130 WEST KINGSBRIDGE RD** **N/A**
**1/4-1/2** **NEW YORK CITY, NY**
**0.388 mi.**
**2051 ft.** **Site 3 of 3 in cluster AB**

**Relative:**
**Higher**

**Actual:**
**172 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 268652 |
| Spill Number/Closed Date: | 9100744 / 11/5/1993 |
| Spill Date: | 4/18/1991 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | 11/5/1993 |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | BATTISTA |
| Referred To: | Not reported |
| Reported to Dept: | 4/18/1991 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 4/23/1991 |
| Spill Record Last Update: | 5/12/1994 |
| Spiller Name: | Not reported |
| Spiller Company: | V A HOSPITAL |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | ZZ |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 218857 |
| DEC Memo: | Not reported |
| Remarks: | 30K TANK FAILED HORNER EZY CHECK WITH A GROSS LEAK,(TANK #3), WILL EXCAVATE, ISOLATE & RETEST. |

Material:

| | |
|---|---|
| Site ID: | 268652 |
| Operable Unit ID: | 951864 |
| Operable Unit: | 01 |
| Material ID: | 426928 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | -1 |
| Units: | Not reported |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

**130 W KINGSBRIDGE RD/BX (Continued)** **S100146962**

Tank Test:

| | |
|---|---|
| Site ID: | 268652 |
| Spill Tank Test: | 1538473 |
| Tank Number: | Not reported |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |

---

**185 East 1/4-1/2 0.391 mi. 2064 ft.** | **2455 GRAND AVENUE**
**2455 GRAND AVENUE**
**BRONX, NY** | **NY LTANKS** | **S100143531**
**N/A**

**Relative: Higher**

**Actual: 127 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 317403 |
| Spill Number/Closed Date: | 8607577 / 9/2/1988 |
| Spill Date: | 3/12/1987 |
| Spill Cause: | Tank Failure |
| Spill Source: | Private Dwelling |
| Spill Class: | Not reported |
| Cleanup Ceased: | 3/12/1987 |
| Cleanup Meets Standard: | True |
| SWIS: | 0301 |
| Investigator: | BATTISTA |
| Referred To: | Not reported |
| Reported to Dept: | 3/12/1987 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Fire Department |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 7/13/1988 |
| Spill Record Last Update: | 3/10/1995 |
| Spiller Name: | Not reported |
| Spiller Company: | 2455 GRAND AVENUE CORP. |
| Spiller Address: | SAME |
| Spiller City,St,Zip: | ZZ |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 255829 |
| DEC Memo: | Not reported |
| Remarks: | HOUSE ON FIRE, NYCFD AND NYCDEP (NABONI) ON SCENE. OIL IN BASEMENT FROM TANKS LEAKING THROUGH WALL. |

Material:

| | |
|---|---|
| Site ID: | 317403 |

**2455 GRAND AVENUE (Continued)** **S100143531**

| | |
|---|---|
| Operable Unit ID: | 905297 |
| Operable Unit: | 01 |
| Material ID: | 473075 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | -3500 |
| Units: | Gallons |
| Recovered: | 3500 |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 317403 |
| Spill Tank Test: | 1530630 |
| Tank Number: | Not reported |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |

---

**AC186** **NYC TRANSIT AUTHORITY** **NY LTANKS** **S105996503**
**NW** **207TH ST YARD** **N/A**
**1/4-1/2** **MANHATTAN, NY**
**0.418 mi.**
**2205 ft.** **Site 1 of 4 in cluster AC**

**Relative:**
**Lower**

**Actual:**
**19 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 234712 |
| Spill Number/Closed Date: | 0204997 / 3/30/2004 |
| Spill Date: | 8/8/2002 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 3101 |
| Investigator: | MCTIBBE |
| Referred To: | Not reported |
| Reported to Dept: | 8/12/2002 |
| CID: | 281 |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 8/12/2002 |
| Spill Record Last Update: | 3/30/2004 |
| Spiller Name: | MOLLY DUNHAM |
| Spiller Company: | NYC TRANSIT AUTHORITY |

**NYC TRANSIT AUTHORITY (Continued)** **S105996503**

| | |
|---|---|
| Spiller Address: | 370 JAY STREET |
| Spiller City,St,Zip: | BROOKLYN, NY 11201- |
| Spiller County: | 001 |
| Spiller Contact: | PAUL LOSQUADRO |
| Spiller Phone: | (631) 586-4900 |
| Spiller Extention: | 180 |
| DEC Region: | 2 |
| DER Facility ID: | 193332 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"refer to 02-02959. |
| Remarks: | TANK TEST FAILURE AT ABOVE LOCATION. CALLER WILL CONTACT REGIONAL OFFICE. |

Material:

| | |
|---|---|
| Site ID: | 234712 |
| Operable Unit ID: | 857755 |
| Operable Unit: | 01 |
| Material ID: | 519210 |
| Material Code: | 0003A |
| Material Name: | #6 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 234712 |
| Spill Tank Test: | 1527373 |
| Tank Number: | 4 |
| Tank Size: | 35000 |
| Test Method: | 03 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Horner EZ Check I or II |

---

**AC187** **3761 TENTH AVE** **NY LTANKS** **S101658293**
**NW** **3761 TENTH AVENUE** **N/A**
**1/4-1/2** **MANHATTAN, NY**
**0.426 mi.**
**2247 ft.** **Site 2 of 4 in cluster AC**

**Relative:**
**Lower**

**Actual:**
**20 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 330684 |
| Spill Number/Closed Date: | 9301145 / 11/20/2003 |
| Spill Date: | 4/23/1993 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Gasoline Station |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |

**3761 TENTH AVE (Continued)** **S101658293**

| | |
|---|---|
| SWIS: | 3101 |
| Investigator: | SMSANGES |
| Referred To: | Not reported |
| Reported to Dept: | 4/23/1993 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 4/27/1993 |
| Spill Record Last Update: | 7/20/2005 |
| Spiller Name: | Not reported |
| Spiller Company: | SHELL |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | NY |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 117721 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"06/27/95: 88-07698=PRODUCT IN WELL #1.87-08221=(3) 4K UST FAILED TT. 12/06/95 SEE ALSO 87-08221 WHICH MAY BE SAME SITE, WRONG ADDRESS, WILL BE CHECKED OUT11/20/2003 - Groundwater analysis for VOC and SVOC is completed. Dissolved phase concentrations remain low. Based on electron acceptor data, biodegradation is acting to reduce the residual concentrations. Minor MTBE hits. Adjacent neighbor to rear and side is Con Ed Power Plant.OK to Close |
| Remarks: | EX ISO RETEST. WAS TOMASELLO SPILL, RE-ASSIGNED-MULQUEEN ON 4/18/95. SHELL ADDRESSING THE PROBLEM AT THE SITE. SEE FILE ALSO 87-08221 & 88-07698 |

Material:

| | |
|---|---|
| Site ID: | 330684 |
| Operable Unit ID: | 979743 |
| Operable Unit: | 01 |
| Material ID: | 401872 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Pounds |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 330684 |
| Spill Tank Test: | 1541452 |
| Tank Number: | Not reported |
| Tank Size: | 0 |
| Test Method: | 00 |

**3761 TENTH AVE (Continued)** **S101658293**

| | |
|---|---|
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |

---

**AC188** **3961 TENTH AVE/SHELL SERV** **NY LTANKS** **S104275502**
**NW** **3961 TENTH AVE** **N/A**
**1/4-1/2** **NEW YORK CITY, NY**
**0.426 mi.**
**2247 ft.** **Site 3 of 4 in cluster AC**

**Relative:**
**Lower**

**Actual:**
**20 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 169694 |
| Spill Number/Closed Date: | 8708221 / 6/27/1995 |
| Spill Date: | 12/22/1987 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Gasoline Station |
| Spill Class: | Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | 6/27/1995 |
| Cleanup Meets Standard: | True |
| SWIS: | 3101 |
| Investigator: | MMMULQUE |
| Referred To: | Not reported |
| Reported to Dept: | 12/22/1987 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/31/1988 |
| Spill Record Last Update: | 6/28/1995 |
| Spiller Name: | Not reported |
| Spiller Company: | SHELL SERVICE STATION |
| Spiller Address: | 3961 TENTH AVE |
| Spiller City,St,Zip: | NEW YORK, NY |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 142861 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN" / / : WAS A TOMASELLO SPILL. REASSIGNED 4/18/95 TO MULQUEEN. SHELL ADDRESSING SITE PROBLEM SEE FILE. SEE ALSO 93-01145.06/27/95: WAS TOMASELLO SPILL,REASSIGNED 4/18/95 TO MULQUEEN. SHELL ADDRESSING SITE PROBLEM SEE FILE. SEE ALSO 93-01145. |
| Remarks: | (3) 4K TANKS FAILED, 1ST SUPER UNLEADED WITH LEAK RATE OF 1.0GPH, 2ND REGULAR UNLEADED WITH LEAK RATE OF 4GPH, 3RD REGULAR GASOLINE FAILED WITH A LEAK RATE OF 1.0GPH. SEE ALSO 9301145. |

Material:

| | |
|---|---|
| Site ID: | 169694 |

**3961 TENTH AVE/SHELL SERV (Continued)** **S104275502**

| | |
|---|---|
| Operable Unit ID: | 913744 |
| Operable Unit: | 01 |
| Material ID: | 463616 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | -1 |
| Units: | Not reported |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 169694 |
| Spill Tank Test: | 1532779 |
| Tank Number: | Not reported |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |

---

**AC189** **207 TH STREET YARD-NYCT** **NY LTANKS** **S105135505**
**NW** **3961 TENTH AVE** **N/A**
**1/4-1/2** **MANHATTAN, NY**
**0.427 mi.**
**2254 ft.** **Site 4 of 4 in cluster AC**

**Relative:**
**Lower**

**Actual:**
**20 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 169693 |
| Spill Number/Closed Date: | 0106375 / Not Reported |
| Spill Date: | 9/17/2001 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 3101 |
| Investigator: | RVKETANI |
| Referred To: | REMEDIATION TENTATIVELY SCHEDULED FOR 12/2008 |
| Reported to Dept: | 9/17/2001 |
| CID: | 233 |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 5 |
| Date Entered In Computer: | 9/17/2001 |
| Spill Record Last Update: | 2/22/2013 |
| Spiller Name: | FRANCIS VOLMUELLER |
| Spiller Company: | NYC TRANSIT. |

**207 TH STREET YARD-NYCT (Continued)** **S105135505**

| | |
|---|---|
| Spiller Address: | 3961 TENTH AVE |
| Spiller City,St,Zip: | MANHATTAN, NY 11201- |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 280160 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"See also 02-04997 & 02-02959. This spill will now refer to both #6 heating oil tanks.06-23-05: Initial site investigation identified soil contamination and free product. It also identified another tank. A supplemental investigation work plan has been submitted and approved to define the extent of contamination and to provide monitroing and bailing points to monitor the plume while the yard is being reconstructed. The tanks and associated contamination will be removed during the reconstruction phase pertaining to the boiler plant.09/28/06: Tenative schedule for tank and soil removal - December 2008, if NTP is issued in December 2006.11/12/10 - spill re-assigned from Tibbe to Joe O'Connell5/19/2011 The spill was reassigned from Joe O'Connell to Linda Ross12/18/12 - Raphael Ketani. The spill was assigned to me during February 2012 as part of a caseload realignment. There have been monthly to bimonthly (once every two months) update meetings with the NYCT regarding this and 17 other sites. The information for the sites is in the UIS under e-docs, multiple sites, DER, Region 2, Petroleum Spills, NYCT. |
| Remarks: | u/g tank failed test property manager will be advised asap retest may be tried later |

Material:

| | |
|---|---|
| Site ID: | 169693 |
| Operable Unit ID: | 843280 |
| Operable Unit: | 01 |
| Material ID: | 531236 |
| Material Code: | 0003A |
| Material Name: | #6 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 169693 |
| Spill Tank Test: | 1526610 |
| Tank Number: | 3 |
| Tank Size: | 35000 |
| Test Method: | 03 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Horner EZ Check I or II |
| Site ID: | 169693 |

**207 TH STREET YARD-NYCT (Continued)** **S105135505**

| | |
|---|---|
| Spill Tank Test: | 1526611 |
| Tank Number: | 4 |
| Tank Size: | 35000 |
| Test Method: | 03 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Horner EZ Check I or II |

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**190**
**ENE**
**1/4-1/2**
**0.430 mi.**
**2271 ft.**

**APARTMENT BUILDING**
**2487 GRAND AVE**
**BRONX, NY**

**NY LTANKS** **S105056191**
**NY Spills** **N/A**

**Relative:**
**Higher**

**Actual:**
**127 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 281632 |
| Spill Number/Closed Date: | 0312115 / 2/2/2004 |
| Spill Date: | 1/30/2004 |
| Spill Cause: | Tank Overfill |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | SMSANGES |
| Referred To: | Not reported |
| Reported to Dept: | 1/30/2004 |
| CID: | 444 |
| Water Affected: | Not reported |
| Spill Notifier: | Responsible Party |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1/30/2004 |
| Spill Record Last Update: | 2/2/2004 |
| Spiller Name: | FRANK RIZZA |
| Spiller Company: | CRYSTAL TRANSPORTATION |
| Spiller Address: | 2010 WHITE PLAINS RD |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller County: | 001 |
| Spiller Contact: | LUKA REALTY |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 228667 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"Sangesland spoke with Frank Rizza of Crystal Transportation. They were delivering for Castle oil.Mr. Rizza said there was a problem with the fill box being stripped. The driver hooked up but after 200 gallons the line pulled out. All spilled to sidewalk. No drains/sewers involved.Sangesland spoke to building manager to alert them to the needed repairwork to the fill box.Spill Closed |

**APARTMENT BUILDING (Continued)** **S105056191**

Remarks: FILL BOX WAS STRIPPED, IT WAS THE BUILDINGS EQUIPMENT FAILURE, BUT OIL CO. SPILLED IT: CLEAN UP GOING ON:

Material:

| | |
|---|---|
| Site ID: | 281632 |
| Operable Unit ID: | 877360 |
| Operable Unit: | 01 |
| Material ID: | 497347 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 7 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

SPILLS:

| | |
|---|---|
| Facility ID: | 9804312 |
| Facility Type: | ER |
| DER Facility ID: | 257887 |
| Site ID: | 320087 |
| DEC Region: | 2 |
| Spill Date: | 7/6/1998 |
| Spill Number/Closed Date: | 9804312 / 7/6/1998 |
| Spill Cause: | Unknown |
| Spill Class: | Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | SMMARTIN |
| Referred To: | Not reported |
| Reported to Dept: | 7/6/1998 |
| CID: | 323 |
| Water Affected: | Not reported |
| Spill Source: | Unknown |
| Spill Notifier: | Federal Government |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 7/6/1998 |
| Spill Record Last Update: | 7/8/1998 |
| Spiller Name: | Not reported |
| Spiller Company: | UNKNOWN |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | NY |
| Spiller Company: | 999 |
| Contact Name: | YOLANDA ANDUJAR |
| Contact Phone: | (718) 933-2944 |

**APARTMENT BUILDING (Continued)** **S105056191**

DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"FAX TO DEP-AIR
Remarks: THICK BLK SMOKE COMING FROM THE BUILDING. ON GOING FOR 2 WEEKS.

Material:
Site ID: 320087
Operable Unit ID: 1065189
Operable Unit: 01
Material ID: 319038
Material Code: 0063A
Material Name: UNKNOWN HAZARDOUS MATERIAL
Case No.: Not reported
Material FA: Hazardous Material
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

---

**AD191** **3852-6 10TH AVE/RAMIERO** **NY LTANKS** **S106703594**
**West** **3852-3856 TENTH AVE** **N/A**
**1/4-1/2** **NEW YORK, NY**
**0.430 mi.**
**2273 ft.** **Site 1 of 2 in cluster AD**

**Relative:**
**Lower**

**Actual:**
**20 ft.**

LTANKS:
Site ID: 204008
Spill Number/Closed Date: 9110175 / 12/31/1991
Spill Date: 12/27/1991
Spill Cause: Tank Overfill
Spill Source: Commercial/Industrial
Spill Class: Not reported
Cleanup Ceased: 12/31/1991
Cleanup Meets Standard: True
SWIS: 3101
Investigator: SULLIVAN
Referred To: Not reported
Reported to Dept: 12/27/1991
CID: Not reported
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1/8/1992
Spill Record Last Update: 5/19/2004
Spiller Name: Not reported
Spiller Company: COASTAL
Spiller Address: Not reported
Spiller City,St,Zip: NY
Spiller County: 999
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported

**3852-6 10TH AVE/RAMIERO (Continued)** **S106703594**

| | |
|---|---|
| DEC Region: | 2 |
| DER Facility ID: | 169640 |
| DEC Memo: | Not reported |
| Remarks: | COASTAL TEAM CONTAINING, MILRO TEAM ENROUTE TO CLEAN. |

Material:

| | |
|---|---|
| Site ID: | 204008 |
| Operable Unit ID: | 960173 |
| Operable Unit: | 01 |
| Material ID: | 567547 |
| Material Code: | 0003A |
| Material Name: | #6 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 300 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**AD192** **38-52, 38-56 10TH AVE** **NY LTANKS** **S102672294**
**WNW** **38-52, 38-56 10TH AVE** **N/A**
**1/4-1/2** **MANHATTAN, NY**
**0.434 mi.**
**2290 ft.** **Site 2 of 2 in cluster AD**

**Relative:**
**Lower**

**Actual:**
**20 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 79206 |
| Spill Number/Closed Date: | 9311497 / 12/24/1993 |
| Spill Date: | 12/24/1993 |
| Spill Cause: | Tank Overfill |
| Spill Source: | Private Dwelling |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | 12/24/1993 |
| Cleanup Meets Standard: | True |
| SWIS: | 3101 |
| Investigator: | CAMMISA |
| Referred To: | Not reported |
| Reported to Dept: | 12/24/1993 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Responsible Party |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 12/28/1993 |
| Spill Record Last Update: | 8/8/2003 |
| Spiller Name: | Not reported |
| Spiller Company: | COASTAL OIL |
| Spiller Address: | 31-70 COLLEGE PT BLVD. |
| Spiller City,St,Zip: | QUEENS, ZZ |
| Spiller County: | 001 |

**38-52, 38-56 10TH AVE (Continued)** **S102672294**

| | |
|---|---|
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 73632 |
| DEC Memo: | Not reported |
| Remarks: | TANK OVERFILLED FROM FAULTY GAUGE READING - NO OTHER AGENCIES - OIL CAME OUT VENT - BO OTHER AGENCIES - (COASTAL CLEANED UP W/SP). |

Material:

| | |
|---|---|
| Site ID: | 79206 |
| Operable Unit ID: | 993381 |
| Operable Unit: | 01 |
| Material ID: | 390532 |
| Material Code: | 0003A |
| Material Name: | #6 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 15 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**AE193** **GETTY PETROLEUM CORP** **NY LTANKS** **S102232691**
**ESE** **2375 JEROME AVE** **NY MANIFEST** **N/A**
**1/4-1/2** **BRONX, NY 10468** **NY Spills**
**0.435 mi.**
**2299 ft.** **Site 1 of 2 in cluster AE**

**Relative:**
**Higher**

**Actual:**
**104 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 106316 |
| Spill Number/Closed Date: | 9604011 / 11/20/2003 |
| Spill Date: | 6/24/1996 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Gasoline Station |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | JBVOUGHT |
| Referred To: | Not reported |
| Reported to Dept: | 6/24/1996 |
| CID: | 365 |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 6/24/1996 |
| Spill Record Last Update: | 7/20/2004 |
| Spiller Name: | Not reported |

**GETTY PETROLEUM CORP (Continued)** **S102232691**

| | |
|---|---|
| Spiller Company: | GETTY |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | NY |
| Spiller County: | 999 |
| Spiller Contact: | CALLER |
| Spiller Phone: | (516) 939-2959 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 93669 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"11/20/2003-Vought-See closed spill #9606024, #9613206 and open spill #9702759 at same location. This spill closed by Vought. |
| Remarks: | 3 TANKS REGULAR, PREMIUM, AND NO LEAD ALL FAILED THE TANK TEST BY THE HORNER 3 METHOD |

Material:

| | |
|---|---|
| Site ID: | 106316 |
| Operable Unit ID: | 1031669 |
| Operable Unit: | 01 |
| Material ID: | 350290 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 106316 |
| Spill Tank Test: | 1544594 |
| Tank Number: | 3 |
| Tank Size: | 2000 |
| Test Method: | 03 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Horner EZ Check I or II |
| Site ID: | 106316 |
| Spill Tank Test: | 1544592 |
| Tank Number: | 1 |
| Tank Size: | 4000 |
| Test Method: | 03 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Horner EZ Check I or II |
| Site ID: | 106316 |
| Spill Tank Test: | 1544593 |
| Tank Number: | 2 |
| Tank Size: | 4000 |
| Test Method: | 03 |

**GETTY PETROLEUM CORP (Continued)** **S102232691**

| | |
|---|---|
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Horner EZ Check I or II |

| | |
|---|---|
| Site ID: | 106318 |
| Spill Number/Closed Date: | 9702759 / 2/8/2012 |
| Spill Date: | 6/4/1997 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Gasoline Station |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | 2/10/2005 |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | KGHALE |
| Referred To: | GW SAMPLES/RAP FOR MW-7 AREA BY 12/21/2007 |
| Reported to Dept: | 6/4/1997 |
| CID: | 366 |
| Water Affected: | Not reported |
| Spill Notifier: | Local Agency |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 6/4/1997 |
| Spill Record Last Update: | 3/9/2012 |
| Spiller Name: | Not reported |
| Spiller Company: | GETTY |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | NY |
| Spiller County: | 999 |
| Spiller Contact: | GEORGE |
| Spiller Phone: | (516) 249-3150 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 93669 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"NO REGISTRATION FOR 2376.3/13/03 REASSIGNED FROM ROMMEL TO VOUGHT.7/20/04-Vought-Changed site address from 2376 to 2375 Jerome Avenue. File review by Vought:See also closed spills: 9604011, 9606024, 9613200 and 9613206 at same location.Letter from DEC ODowd to Getty (Hanley)-2/11/97. "The Department is mandating that the following work be done within 10 days: 1)full system precision testing of existing underground storage tanks 2)pumping out of product from service station drainage ports 3)an underground injection control investigation to determine the endpoints of the drains 4)determine if any 550 gal USTs exist at this site, their status and registration of them with the PBS Unit.Emergency Spill Response Report-Feb 1997. NYFD responded to complaints made by residents of nearby buildings of gasoline odors. Spill as result of a fuel delivery overfill. "In order to mitigate a hazardous condition at the time fo the spill, the excess fuel was flushed through drains and ultimately found it's way into the municipal sewer system". Operational tanks include two (4000-gallon) and one (2000-gallon) |

**GETTY PETROLEUM CORP (Continued)** **S102232691**

gasoline USTs, "Twelve (12) 550-gallon underground storage tanks previously abandoned in place are located to the east of the station building adjacent to Jerome Avenue. Two pump islands located along Jerome Avenue. A dye test and sewer inspection were performed. Storm drains on property had "solid walls and bottoms". "The discharge from both storm drains showed dye entering the sewer manhole located on west 184th Street". Tank tests were performed and passed for operational USTs.Letter from NYFD to Getty (Hanley)-3/18/97. "You are therefore ordered to discontinue all motor fuel deliveries until approval has been =iven by this Department to resume".Tank Closure Report (Tyree)-August 1998. Reason for tank closure was property divestment. "Apartment buildings located adjacent to the site to the west and a commercial building located to the north of the site". Removal of one (550-gallon) waste oil UST, two (4000-gallon) gasoline USTs and one (2000-gallon) gasoline UST. Twelve endpoint soil samples were collected. "No soil for disposal was generated during the tank closure work". Soil analyticals show 171ppb MTBE(CTB2), 9930ppb ethylbenzene(DTB1), 24900ppb xylene(DTB1), 8480ppb MTBE(DTB1), 7061ppb xylene(DTB1) and 15700ppb MTBE(DTB1). Soil analyticals also show minor SVOC exceedences attibutable to fill material.Quarterly Monitoring Report (Tyree)-June 1999 thru June 2001. Four monitoring wells onsite. Groundwater at depths of 9-11’ below grade and flow to the west-southwest. Total Phase High Vacuum Extraction performed monthly on all four wells from Jan 2000 thru Dec 2000. June 2001 groundwater analyticals show 7.25ppb benzene(W2), 764ppb MTBE(W2), 107ppb benzene(W3), 71.6ppb benzene(W4), 20.4ppb toluene(W4), 169.8ppb xylene(W4) and 149ppb MTBE(W4).Request for No Further Action (Tyree)-9/6/01.Quarterly Monitoring Report (Tyree) July 2001 thru Dec 2002. Quarterly gauging and sampling and semi-annual reporting. Four monitoring wells onsite. Groundwater at depths of 9-11’ below grade and flow to the west-southwest.Request for No Further Action (Tyree)-7/9/02. "Tyree will continue monitoring activities on a quarterly basis until said letter is received". Semi-Annual Monitoring Report (Tyree)-Jan 2003 thru June 2004. Four monitoring wells onsite. Groundwater flow to the west and at depth of 9-10’ below grade. Semi-annual gauging and sampling. Current site status is "Perez Communications and Electronics". "Parking lot to the north, commercial property to the east and residential apartment buildings to the west and south". Geoprobe Workplan (Tyree)-5/27/04. Proposal for the "installation of 7 or more borings: from the former underground, gasoline storage tanks and throughout the site property". Soil and groundwater samples will be collected. "Unless you indicate otherwise, Tyree will proceed with the work mentioned above on June 4th 2004."7/22/04-Vought-File review continued:Investigation Report (Tyree)-6/28/04. Three Geoprobe borings performed. Groundwater encountered at 10’. "Only three out of eight borings (B-2, 5 and 6) were installed because the manager of the property was not cooperative and would not let us advance the other five borings (B-1,3,4,7 and 8)." "If additional work is required, Tyree also requests that a letter be sent to Mr. Perez" at:Mr. PerezPerez Communications and Electronics, Inc.2375 Jerome AvenueBronx, NY 10468Ph 718-329-2744Vought called Perez from phone number obtained via public information. Phone number disconnected. Vought spoke to Dave Pachan and he has same number as information. 7/23/04-Vought-Left message for Pachan inquiring as to Mr. Perez’s first name for failure to cooperate letter. Vought also sent cooperation letter to Perez Electronics and cc’d Getty

**GETTY PETROLEUM CORP (Continued)** **S102232691**

Properties.9/3/04-Vought-Sent Stipulation Agreement with due date of 10/04/04 which includes requirements of: 1)well installation downgradient of B5/B6, adjacent to southern pump island, at proposed boring location B3, B7 and B8 from 5/27/04 proposal 2)surrounding area site plan. 10/15/04-Vought-Sent Tyree Delta email for STIP status.12/1/04-Vought-Received email from Paul Lindell. Developer contact info is Joey Rishty (732-897-0400, 908-309-882). "The delay in executing the Stipulation Agreement for this site is due to the pending construction plans of Joey Rishty". "Since we dont not know the exact location of the proposed structure and the foundation details, we cant move forward with a subusrface investigation since we wont know where to place our borings/wells, how much if any impacted soil will be encountered and how construction will affect our remedial plans for this site". Vought called Rishty for contact information and was told to call back.12/2/04-Vought-Called Rishty for contact information and left a message to return call.12/3/04-Vought-Received message from Rishty requesting copy of DEC's requirements. Vought faxed him copy of 9/3/04 Stipulation Agreement and required him to call back upon review.12/14/04-Vought-Called Rishtey for address to send letter requiring stip compliance prior to development:Joseph Rishty CTK Realty LLC.PO Box 77Allenhurst, NJ 07711ph: 732-897-0700cell:908-309-8822Fax: 732-897-0475Vought faxed copy of Getty Stipulation and requirement letter and sent hardcopy via mail. Getty cc'd on requirement letter to Rishty. Vought sent email and fax to Delta and Tyree requesting status of overdue Stip and site meeting. Vought also sent letter to developer requring adherence to STIP prior to developement.1/21/05-Vought-Quarterly Monitoring Report (Tyree)-Four monitoring wells onsite. Groundwater at depth of 9-10' below grade and "apparent groundwater flow to the west. Site on semi-annual monitoring. Groundwater analyticals show 10.5ppb benzene(MW2), 956ppb MTBE(MW2), 53.2ppb benzene(MW3), 118ppb MTBE(MW3), 39.3ppb benzene(MW4), 20.4ppb toluene(MW4), 50.1ppb ethylbenzene(MW4) and 265.2ppb xylene(MW4). DEC requires: 1)quarterly monitoring reports (as opposed to semiannual) 2)Well installation at former boring locations B3, B7 and B8, adjacent to southern pump island and downgradient of B5 and B6 3)surrounding property sketch 4)determination of actual groundwater flow 5)development schedule and properties intended use 6)signing of STIP 7)vapor barrier/passive ventilation system. Site visit on 1/21/05 with Lindell, Hatcher and Rishty. Meeting resulted in: 1)Getty will sign Stipulation 2)Getty will perform hotspot excavation of soil and associated endpoint sampling 3)no basement will be included in retail stores and foundation depth will go to 3'bg 4)vapor barrier will be installed onsite 5)Getty will install four monitoring wells in sidewalk (two in Jerome and two downgradient on West 184th Street) 6)Quarterly reports will be submitted 7)groundwater flow submitted (to the west) is actual groundwater flow. DEC no longer requires well installation at B3, B7,B8 and adjacent pump island due to soil excavation of hotspots, development plans and agreement to install downgradient wells from these locations. Vought sent Lindell and Hatcher copy of NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York dated October 2004.2/18/05-Vought-Stipulation implemented by Kunkel with 2/10/05 date. Vought faxed and sent copies to Shea, Lindell and Hatcher.7/6/05-Vought-New file review by Vought:Groundwater Investigation (Tyree Cunningham)-4/6/05. Eight geoprobe borings, collection of soil and groundwater samples and

**GETTY PETROLEUM CORP (Continued)** **S102232691**

seven soil gas samples. Soil gas analyticals show max of 706ppb benzene(SG5), 34ppb toluene(SG2), 100ppb ethylbenzene(SG6), 104ppb xylene(SG2), 980ppb MTBE(SG3). Soil analyticals show: 101000ppb ethylbenzene(B1 9-10'bg), 256000ppb xylene(B1 9-10'bg), 398ppb benzene(B2 9-10'bg), 17500ppb toluene(B2 9-10'bg), 121000ppb ethylbenzene(B2 9-10'bg), 782000ppb xylene(B2 9-10'bg). Excavation Report (Tyree Cunningham)-6/30/05. "No samples were collected from the bottom of the excavation due to the presence of groundwater in the hole". No bottom samples were collected due to groundater. A total of 1016.5 tons of soil were removed from the site. Soil analyticals show: 46500ppb ethylbenzene(EX1 South), 24140ppb xylene(EX1 South), 569ppb MTBE(EX1 South), 8820ppb ethylbenzene(EX2 North), 9668ppb xylene(EX2 North), 1280ppb benzene(EX2 South), 32000ppb toluene(EX2 South), 951000ppb xylene(EX2 South), 19800ppb ethylbenzene(EX2 East), 57600ppb xylene(EX2 East), 10800ppb toluene(EX2 West), 44900ppb ethylbenzene(EX2 West), 306000ppb xylene(EX2 West). DEC requires: 1)Submission of RAP prior to building approval so that remedial system (if necessary) can be located. 2)installation of vapor barrier and mitigation system due to soil gas detections of BTEX in areas not excavated 3)delineation of groundwater contamination. Vought called Lindell to discuss and sent email with same. Vought called Rishtey who assured Vought that no construction will take place prior to DEC approval.7/22/05-Vought-Received message from Rishtey that additional 500 tons of soil are going to be excavated by Tyree. Vought called Rishtey and agreed to additional excavation.8/8/05-Vought-Notified Rishtey, Lindell and Hatcher that Imdad Islam will be new PM. Vought spoke to Rishtey who said that excavation has already taken place.8/22/05- Responded as follows to Paul Lindell's email asking for Dept. permission to proceed with the site development work for constructing residential building at the site:Dear Mr. Lindell,In reponse to your email and as a follow up of and further to our telephone discussion today, pls make a note of the following issues: 1. The site's historical investigation results show that both soil and groundwater at the site have been impacted by petroleum-related contamination. Some contaminated soil has been excavated and removed so far from the site, and it appears more contaminated soil may exist. 2. Even though the groundwater contamination was detected long time ago, no remedial measures have been taken other than monitoring. However, the monitoring data reveals that dissolved phase residual contamination still exist. 3. A complete and precise delineation of the extent of petroleum contamination to soil and groundwater has not been done as yet. 4. Under the above situation and as per signed Stipulation Agreement, the Dept. requires a detailed Investigation Summary Report along with a proposed recommended Remedial Plan both for soil and groundwater. 5. The Dept. may not allow to proceed with any development work on the site without any approved and pragmatic remedial system in place.Pllease contact me if you have any questions or concerns.Sincerely,Imdadul Islam8/24/05- Went for a site visit today and met Paul Lindell (Delta), Paul Hatcher & Scott Cunningham (Tyree) at the site. Issued a letter requiring ISRP submission by the end of Sept./05.-II9/8/05- Received the followng email from Paul Lindell.Imdad- We are in receipt of your letter dated August 24, 2005. Tyree is nearlycomplete with its remedial proposal and is attempting to get therequired ground water delineation drilling conducted next week. I hopeto have their draft of the proposal tomorrow. Once I have completed myreview of the remedial proposal I

**GETTY PETROLEUM CORP (Continued)** **S102232691**

will forward for your review andcomment. At this point, we will most likely base our remedial proposalon the most recent ground water data obtained from the wells on site.We can validate the proposal once the delineation data is in. Regardingthe deadlines associated with the Stipulation Agreement, we kept JeffVought appraised on the progress of this investigation and the varioushurdles we encountered with moving this investigation forward. Heacknowledged the difficulties and appreciated the updates and was finewith the delays encountered. I and Tyree will continue the updatesgoing forward. Regards,Paul11/14/05- The site being Getty's property, spill case is reassigned to Rui of Joe-Sun's group. 12/8/2005 - Feng - Email from Paul Lindell (Delta) inquired the status of this site. They submitted the RAP. This site was issued a violation for excavation at the site by Department of Building. And asked for recommendations and comments for the submitted RAP before new year. 12/14/2005 - Feng - Reviewed the file. The site will be developed as a commercial building on top of the site. There are " 2 (30 FT DIAMETER) CRATERS APPROX 6-8 FT IN DEPTH CAUSING REMAINING LEVEL PAVEMENT TO CRACK & (FORMER GAS STATION) SINK. REMEDY: MAKE ALL REPAIRS". A. In the Subsurface Investigation Report, dated June 28, 2004, Tyree stated that three (3) borings were performed on 6/14/2004. B-5 and B-6 which located downgradient from the former pump island were found high BTEX concentration in groundwater. The groundwater sample collected from B-5 indicated to have 268 ppb Benzene, 54.8 ppb Toluene, 1,960 ppb Ethylbenzene and 5,909 ppb Total Xylenes. Furthermore, groundwater sample collected from B-6 was detected to have 27 ppb Benzene, 17 ppb Toluene, 2,260 ppb Ethylbenzene and 7,610 ppb Total Xylenes. B.In the Subsurface Investigation Report, dated April 6, 2005, Tyree mentioned that they performed a "groundwater investigation consisting of eight (8) soil borings". In fact, only soil and soil gas samples analytical results were presented in the report. The soil samples collected from locations B-1 and B-2 at depth of 9-10 feet below grade revealed extremely high concentration. C.In Post Excavation Report, dated June 30, 2005, Tyree reported has performed a limited contaminated soil excavation on the property on June 15, June 16, and June 20. Soil samples taken from Ex-2 South at eight (8) feet below grade on 6/20/2005 revealed elevation of 1,140,410 ppb BTEX.D.In Post Excavation Report, dated August 9, 2005, Tyree reported has performed a limited contaminated soil excavation on the property on July 22 and July 25, 2005. Soil samples taken from Ex-2 South at eight (8) feet below grade on 7/25/2005 revealed elevation of 1,014,720 ppb BTEX.E.In the Subsurface Investigation Report, dated September 29, 2005, nine (9) borings were performed on 9/21/2005. Among these borings, five (5) were around the property and four (4) on the sidewalk. Up to 1,300 ppb MTBE found in GP-3 groundwater sample, and 1,176 ppb BTEX found in GP-8 groundwater sample.12/16/2005 - Feng - Email to Scott Cunningham (Tyree) with comments above and requested:1) Groundwater/soil concentration locate where the future building will be locate, i mean the samples collected upon reaching the terminus of the foundation excavation. 2) Groundwater/soil concentration or endpoint samples of the excavations, i mean when removing the contaminated soil off the site. 3) Dimensions of the excavations.4) Construction detail and vapor mitigation of the building, like vapor barrier and ventilation system design.12/21/2005 - Feng - Email from Scott Cunningham (Tyree) and said would send the monitoring reports over. 12/29/2005 - Feng - Formally rejected the RAP (proposed MNA). Received the monitoring reports. Reviewed RAP and

**GETTY PETROLEUM CORP (Continued)** **S102232691**

the entire file that submitted by Tyree. Tyree proposed Monitored Natural Attenuation for the site. This site is going to develop and a commercial building will be on top of it. Basically, this site has not enough groundwater information for the area where the future building locate, extremely high soil concentration was observed even after excavation. RAP rejected and requested: 1) delineation of the groundwater contamination on where the building locate. 2) construction detail and vapor mitigation design. 3) propose another RAP. (RJF)1/4/2005 - Feng - Quarterly Monitoring Report, 8/2005 - 10/2005. 3 monitoring wells locate in 3 corners of the site. W-2, 14.4 ppb BTEX and 949 ppb MTBE. W-3, 8.98 ppb BTEX and 86.6 ppb MTBE. W-4, not accessible. 2/13/2006 - Feng - Reviewed the construction details (drawings submitted by Just Architecture) on 2/10/2006. Emailed to Scott Cunningham (Tyree) requested vapor barrier specification since it wasn't on the drawings. And asked about the status of extending passive venting pipe to Ex.1 and application of ORC. (RJF)2/24/2006 - Feng - Approve via email the installation of Passive Vapor Extraction System in area of Ex 2 (letter 1/19/2006, drawing attached), and the application of ORC in area of Ex 1 (letter 2/22/2006) to address the soil contamination in these area that couldn't be removed off the site anymore due to location problem. Still need the vapor barrier detail, thickness and material, etc. and the weight of ORC that going to be used. (RJF)3/17/2006 - Feng - Approve the installation of vapor barrier system Griffolyn Type-65 and thickness of 8 mil (email from Just Architecture, 3/14/2006). Since there is no basement, and contamination is mainly in the soil below south sidewalk which cannot be removed, and water table at 10'-12', so thickness of 8 mil was approved. letter sent to Kevin Shea (Getty Properties) and CC to Tyree. (RJF)8/28/2006 - Feng - Update from Paul Lindell (Delta), the remedial work is held by the developer now. The NYC Buildings Dept has issued another violation because of the property condition. Getty could only do their work when the developer has done certain things on his site. (RJF)10/17/2006 - Feng - Quarterly Monitoring Report, 5/2006 - 7/2006, 7/2006, by Tyree. DTW 9.49' to 10.57' bg, flow direction west. No LNAPL. BTEX range from non-detect to 367.1 ppb. MTBE range from non-detect to 245 ppb. (RJF)11/13/2006 - Feng - Quarterly Monitoring Report, 7/2006 - 10/2006, 10/2006, by Tyree. Groundwater sampled and gauged 9/25/2006. 2 monitoring wells. MW-1, MW-2, MW-3, MW-4, MW-5 and MW-6 were destroyed during the excavation 6/2006 and 8/2006. DTW 10.71' to 11.20' bg. Flows to west. No LNAPL. MW-7, 1,016.44 ppb BTEX, 4.81 ppb MTBE. MW-8, BDL. (RJF)1/18/2007 - Feng - Getty Properties portfolio meeting with Tyree and Delta. Construction started. PVES will be installed after developer constructes the proposed building on the site. 9/19/2006 ORC Advanced solution applied to the contaminated soil. (RJF)5/10/2007 - Feng - Spoke to D. Madigan (Tyree). The building is up and the vapor barrier was installed. A passive well was installed and will be connected to the building this week. (RJF)11/6/2007 - Feng - Reviewed the spill closure request, letter from Tyree dated 6/14/2007. Tyree performed the ORC application and the installation of the PVES at the proximity of north sidewalk of West 184th Street. Vapor barrier installed for the new building. But the latest submitted quarterly report of 10/2006 indicated the groundwater concentration of 1,016 ppb BTEX in the MW-7. Spill closure request denied and additional work required to conduct at the MW-7 area. Work plan due 12/21/2007. (RJF)11/8/2007 - Feng - Portfolio meeting with Delta and Tyree. Monroe college

**GETTY PETROLEUM CORP (Continued)** **S102232691**

campus is opened onsite. Tyree will grab water samples (GeoProbe) from MW-7 area. (RJF)8/6/2008 - Reviewed the Subsurface Investigation Report dated January 2008, by Tyree, pdf copy via email. On 12/3/2007, 2 soil borings were advanced in the vicinity of former MW-7 using GeoProbe. Soil was screened began at 5 feet bgs until groundwater was met at 11 feet. No PID readings. 2 soil samples were collected at 5'-10' bg. Soil analyticals are ND. 2 groundwater samples were taken and slight VOCs exceedances were detected. B-1, 2.2 ppb benzene. B-2, 11.6 ppb benzene, 11.4 ppb MTBE. Tyree requested spill closure. (RJF)9/4/2008 - Getty Properties portfolio meeting with Delta and Tyree. Need old hydrographs. Will review the closure petition. (RJF)1/6/2009 - Getty Properties portfolio meeting with Delta and Tyree. Petition for closure with updated maps, contours and hydrographs for historical data by 1/2009. (RJF)12/14/2009 - Reviewed Spill Closure Request, dated 6/12/2009, by Tyree. Email Tyree comments, in eDoc. Resubmit the closure request by 1/2010. (RJF)11/2010 - (KGH) Getty Petitions R2 for Spill Closure12/2011 - (KGH) Central Office BTS(Hale)is requested to assist OGC with coordination of DEC response to Notice of Bankruptcy Filing: Chapter 11, CaseNo.: 11-15606 Getty Petroleum Marketing, Inc.,et al. BTS is also provided with a list of 15 spill numbers for which Getty has petitioned but not yet received closure. KGH begins review of files available in EDOCs. 2/1/2012 - KGH meets with R2 staff to discuss Getty Bankruptcy Case and closure petitions. Consensus of senior staff is that Spill # 97-02759 has been addressed to the extent feasible and it was appropriate to consider closure. 2/8/12 - KGH - an overfill during delivery in 6/1997 caused a surface spill of gasoline into the sewer system which resulted in vapor impacts to neighboring buildings. This was quickly resolved by NYFD. Subsequent investigation by DEC identified significant petroleum soil contamination which was excavated in 2005 to the extent feasible. Approximately 1500 tons of soil was removed. The site was redeveloped in 2007 and vapor mitigation (barrier and passive vent) was engineered into the new construction. Inaccesible residual soil contamination may remain but will biodegrade over time. GW concentrations have steadily decreased since source removal and were very close to drinking water standards when last sampled in 2008. The Department is requiring No Further Action at this time. Spill is being closed as currently Not Meeting Standards. Additional data may be submitted in the future for consideration of an upgrade in closure status. NFA

Remarks: AREA IS GOING TO BE EXCAVATED AND TESTED.

Material:

| | |
|---|---|
| Site ID: | 106318 |
| Operable Unit ID: | 1045490 |
| Operable Unit: | 01 |
| Material ID: | 335690 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

**GETTY PETROLEUM CORP (Continued)** **S102232691**

Tank Test:

| | |
|---|---|
| Site ID: | 106318 |
| Spill Tank Test: | 1545148 |
| Tank Number: | 1 |
| Tank Size: | 4000 |
| Test Method: | 14 |
| Leak Rate: | 0 |
| Gross Fail: | F |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | VacuTest |

NY MANIFEST:

| | |
|---|---|
| EPA ID: | NY0001493485 |
| Country: | USA |

Mailing Info:

| | |
|---|---|
| Name: | GETTY PETROLEUM CORP |
| Contact: | DALE HOLDEN |
| Address: | 125 JERICHO TNPK |
| City/State/Zip: | JERICHO, NY 11753 |
| Country: | USA |
| Phone: | 516-286-2600 |

Manifest:

| | |
|---|---|
| Document ID: | PAE6505634 |
| Manifest Status: | Completed after the designated time period for a TSDF to get a copy to the DEC |
| Trans1 State ID: | PAAH0317 |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 07/08/1997 |
| Trans1 Recv Date: | 07/08/1997 |
| Trans2 Recv Date: | / / |
| TSD Site Recv Date: | 07/11/1997 |
| Part A Recv Date: | 07/30/1997 |
| Part B Recv Date: | 07/30/1997 |
| Generator EPA ID: | NY0001493485 |
| Trans1 EPA ID: | PAD982661381 |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | PAD085690592 |
| Waste Code: | D018 - BENZENE 0.5 MG/L TCLP |
| Quantity: | 00055 |
| Units: | G - Gallons (liquids only)* (8.3 pounds) |
| Number of Containers: | 001 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 100 |
| Year: | 1997 |

| | |
|---|---|
| Document ID: | CTF0534207 |
| Manifest Status: | Not reported |
| Trans1 State ID: | Not reported |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 04/01/1998 |

**GETTY PETROLEUM CORP (Continued)** **S102232691**

| | |
|---|---|
| Trans1 Recv Date: | 04/01/1998 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 04/02/1998 |
| Part A Recv Date: | Not reported |
| Part B Recv Date: | Not reported |
| Generator EPA ID: | NY0001493485 |
| Trans1 EPA ID: | CTD021816889 |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | CTD021816889 |
| Waste Code: | D001 - NON-LISTED IGNITABLE WASTES |
| Quantity: | 00275 |
| Units: | G - Gallons (liquids only)* (8.3 pounds) |
| Number of Containers: | 005 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 01.00 |
| Year: | 1998 |

SPILLS:

| | |
|---|---|
| Facility ID: | 9606024 |
| Facility Type: | ER |
| DER Facility ID: | 87544 |
| Site ID: | 98384 |
| DEC Region: | 2 |
| Spill Date: | 7/17/1996 |
| Spill Number/Closed Date: | 9606024 / 7/20/2004 |
| Spill Cause: | Unknown |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | JBVOUGHT |
| Referred To: | Not reported |
| Reported to Dept: | 8/9/1996 |
| CID: | 349 |
| Water Affected: | Not reported |
| Spill Source: | Gasoline Station |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 8/9/1996 |
| Spill Record Last Update: | 7/20/2004 |
| Spiller Name: | SCOTT HANLEY |
| Spiller Company: | GETTY |
| Spiller Address: | 2375 JEROME AV |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller Company: | 001 |
| Contact Name: | SCOTT HANLEY |
| Contact Phone: | (718) 324-5202 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"11/20/2003-Vought-See closed spills 9613206, 9604011 at same location.7/20/04-Vought-See open spill #9702759 at same location. This spill closed by Vought. |
| Remarks: | SOIL TEST RESULTS SHOW CONTAMINATION |

**GETTY PETROLEUM CORP (Continued)** **S102232691**

Material:

| | |
|---|---|
| Site ID: | 98384 |
| Operable Unit ID: | 1036844 |
| Operable Unit: | 01 |
| Material ID: | 348764 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Facility ID: | 9613206 |
| Facility Type: | ER |
| DER Facility ID: | 93669 |
| Site ID: | 106317 |
| DEC Region: | 2 |
| Spill Date: | 2/6/1997 |
| Spill Number/Closed Date: | 9613206 / 11/20/2003 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | JBVOUGHT |
| Referred To: | Not reported |
| Reported to Dept: | 2/7/1997 |
| CID: | 371 |
| Water Affected: | Not reported |
| Spill Source: | Tank Truck |
| Spill Notifier: | Fire Department |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2/7/1997 |
| Spill Record Last Update: | 11/20/2003 |
| Spiller Name: | Not reported |
| Spiller Company: | GETTY |
| Spiller Address: | 2375 JEROME AVE |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller Company: | 001 |
| Contact Name: | Not reported |
| Contact Phone: | Not reported |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"3/13/03 REASSIGNED FROM ROMMEL TO VOUGHT. 11/20/2003-Vought-See spill #9606024, closed spill 9604011 at same location. This spill closed by Vought. |
| Remarks: | SPILL AFFECTED 20 BLDGS. ODOR OF GAS REPORTED BY RESIDENTS TO |

**GETTY PETROLEUM CORP (Continued)** **S102232691**

FIREDEPT. FD DISCOVERED GETTY HAD WASHED A FUEL SPILL INTO THE SEWER. CLEANUP HAS NOT BEGUN. REQUEST CONTACT.

Material:

| | |
|---|---|
| Site ID: | 106317 |
| Operable Unit ID: | 1040800 |
| Operable Unit: | 01 |
| Material ID: | 341849 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**194 ESE 1/4-1/2 0.437 mi. 2305 ft.**

**NORTH STREET**
**2318 JEROME AVENUE**
**BRONX, NY 10468**

**NY LTANKS** **U000396480**
**NY UST** **N/A**
**NY HIST UST**
**NY Spills**

**Relative: Higher**

**Actual: 104 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 96982 |
| Spill Number/Closed Date: | 8710420 / 2/10/2003 |
| Spill Date: | 3/6/1988 |
| Spill Cause: | Tank Overfill |
| Spill Source: | Tank Truck |
| Spill Class: | Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | SULLIVAN |
| Referred To: | Not reported |
| Reported to Dept: | 3/14/1988 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Fire Department |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/31/1988 |
| Spill Record Last Update: | 7/26/2005 |
| Spiller Name: | Not reported |
| Spiller Company: | Not reported |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | ***Update***, ZZ |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |

**NORTH STREET (Continued)** **U000396480**

DEC Region: 2
DER Facility ID: 296425
DEC Memo: Not reported
Remarks: VACUUMING OUT OBSERVATION WELLS.

Material:
Site ID: 96982
Operable Unit ID: 916284
Operable Unit: 01
Material ID: 462192
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: -1
Units: Pounds
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

UST:
Id/Status: 2-191779 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: 06/09/2002
UTM X: 592427.91125
UTM Y: 4523681.0181299997
Site Type: Retail Gasoline Sales

Affiliation Records:
Site Id: 5996
Affiliation Type: Facility Owner
Company Name: GASETERIA OIL CORP.
Contact Type: Not reported
Contact Name: Not reported
Address1: 364 MASPETH AVE.
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11211
Country Code: 001
Phone: (718) 782-4200
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 8/6/2013

Site Id: 5996
Affiliation Type: Mail Contact
Company Name: GASETERIA OIL CORP.
Contact Type: VICE PRESIDENT
Contact Name: ROBERTO PORCELLI

**NORTH STREET (Continued)** **U000396480**

| | |
|---|---|
| Address1: | 364 MASPETH AVE. |
| Address2: | Not reported |
| City: | BROOKLYN |
| State: | NY |
| Zip Code: | 11211 |
| Country Code: | 001 |
| Phone: | (718) 782-4200 |
| EMail: | ROBERTOPORCELLI@GASETERIA.COM |
| Fax Number: | Not reported |
| Modified By: | dxliving |
| Date Last Modified: | 10/6/2009 |

| | |
|---|---|
| Site Id: | 5996 |
| Affiliation Type: | On-Site Operator |
| Company Name: | NORTH STREET |
| Contact Type: | Not reported |
| Contact Name: | GASETERIA OIL CORP |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (212) 933-2329 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 5996 |
| Affiliation Type: | Emergency Contact |
| Company Name: | GASETERIA OIL CORP. |
| Contact Type: | Not reported |
| Contact Name: | ROBERTO PORCELLI |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 782-4200 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | CGFREEDM |
| Date Last Modified: | 5/21/2007 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank ID: | 7709 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 550 |
| Install Date: | 12/01/1955 |
| Date Tank Closed: | 12/01/1999 |
| Registered: | True |
| Tank Location: | Underground |

**NORTH STREET (Continued)** **U000396480**

| | |
|---|---|
| Tank Type: | Steel/carbon steel |
| Material Code: | 0008 |
| Common Name of Substance: | Diesel |
| Tightness Test Method: | 03 |
| Date Test: | 08/01/1993 |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)

| | |
|---|---|
| Tank Number: | 002 |
| Tank ID: | 7710 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 550 |
| Install Date: | 12/01/1955 |
| Date Tank Closed: | 12/01/1999 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0008 |
| Common Name of Substance: | Diesel |
| Tightness Test Method: | 03 |
| Date Test: | 08/01/1993 |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)

| | |
|---|---|
| Tank Number: | 003 |
| Tank ID: | 7711 |
| Tank Status: | Closed - Removed |

**NORTH STREET (Continued)** **U000396480**

| | |
|---|---|
| Material Name: | Closed - Removed |
| Capacity Gallons: | 4000 |
| Install Date: | 12/01/1955 |
| Date Tank Closed: | 12/01/1999 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |
| Tightness Test Method: | 03 |
| Date Test: | 08/01/1993 |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

H00 - Tank Leak Detection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None

| | |
|---|---|
| Tank Number: | 004 |
| Tank ID: | 7712 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 550 |
| Install Date: | 12/01/1955 |
| Date Tank Closed: | 12/01/1999 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |
| Tightness Test Method: | 03 |
| Date Test: | 08/01/1993 |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

H00 - Tank Leak Detection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground

**NORTH STREET (Continued)** **U000396480**

G03 - Tank Secondary Containment - Vault (w/o access)

| | |
|---|---|
| Tank Number: | 005 |
| Tank ID: | 7713 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 550 |
| Install Date: | 12/01/1955 |
| Date Tank Closed: | 12/01/1999 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |
| Tightness Test Method: | 03 |
| Date Test: | 08/01/1993 |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

I00 - Overfill - None
H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None

| | |
|---|---|
| Tank Number: | 006 |
| Tank ID: | 7714 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 550 |
| Install Date: | 12/01/1955 |
| Date Tank Closed: | 12/01/1999 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |
| Tightness Test Method: | 03 |
| Date Test: | 08/01/1993 |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

H00 - Tank Leak Detection - None
B01 - Tank External Protection - Painted/Asphalt Coating

**NORTH STREET (Continued)** **U000396480**

F00 - Pipe External Protection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)

| | |
|---|---|
| Tank Number: | 007 |
| Tank ID: | 7715 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 550 |
| Install Date: | 12/01/1955 |
| Date Tank Closed: | 12/01/1999 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |
| Tightness Test Method: | 03 |
| Date Test: | 08/01/1993 |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

H00 - Tank Leak Detection - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)

| | |
|---|---|
| Tank Number: | 008 |
| Tank ID: | 7716 |
| Tank Status: | Closed - Removed |
| Material Name: | Closed - Removed |
| Capacity Gallons: | 550 |
| Install Date: | 12/01/1955 |
| Date Tank Closed: | 12/01/1999 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |
| Tightness Test Method: | 03 |
| Date Test: | 08/01/1993 |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |

**NORTH STREET (Continued)** **U000396480**

Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

H00 - Tank Leak Detection - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Number: 009
Tank ID: 7717
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 12/01/1955
Date Tank Closed: 12/01/1999
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 03
Date Test: 08/01/1993
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

I00 - Overfill - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser

Tank Number: 010
Tank ID: 7718
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 12/01/1955
Date Tank Closed: 12/01/1999
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009

**NORTH STREET (Continued)** **U000396480**

Common Name of Substance: Gasoline

Tightness Test Method: 03
Date Test: 08/01/1993
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I00 - Overfill - None

Tank Number: 011
Tank ID: 7719
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 12/01/1955
Date Tank Closed: 12/01/1999
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 03
Date Test: 08/01/1993
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Number: 012
Tank ID: 53031
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550

**NORTH STREET (Continued)** **U000396480**

| | |
|---|---|
| Install Date: | Not reported |
| Date Tank Closed: | 12/01/1999 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0022 |
| Common Name of Substance: | Waste Oil/Used Oil |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground

HIST UST:

| | |
|---|---|
| PBS Number: | 2-191779 |
| SPDES Number: | Not reported |
| Emergency Contact: | ROBERTO PORCELLI |
| Emergency Telephone: | (718) 782-4200 |
| Operator: | GASETERIA OIL CORP |
| Operator Telephone: | (212) 933-2329 |
| Owner Name: | GASETERIA OIL CORP. |
| Owner Address: | 364 MASPETH AVE. |
| Owner City,St,Zip: | BROOKLYN, NY 11211 |
| Owner Telephone: | (718) 782-4200 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Name: | GASETERIA OIL CORP. |
| Mailing Address: | 364 MASPETH AVE. |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BROOKLYN, NY 11211 |
| Mailing Contact: | ROBERTO PORCELLI |
| Mailing Telephone: | (718) 782-4200 |
| Owner Mark: | Second Owner |
| Facility Status: | 4 - Subpart 360-14 only (active) |
| Facility Addr2: | Not reported |
| SWIS ID: | 6001 |
| Old PBS Number: | Not reported |
| Facility Type: | RETAIL GASOLINE SALES |
| Inspected Date: | Not reported |
| Inspector: | Not reported |
| Inspection Result: | Not reported |
| Federal ID: | Not reported |
| Certification Flag: | False |
| Certification Date: | 01/12/2000 |

**NORTH STREET (Continued)** **U000396480**

| | |
|---|---|
| Expiration Date: | 06/09/2002 |
| Renew Flag: | False |
| Renewal Date: | Not reported |
| Total Capacity: | 550 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | Minor Data Missing |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank Id: | 012 |
| Tank Location: | UNDERGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (gals): | 550 |
| Product Stored: | USED OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | None |
| Tank External: | Painted/Asphalt Coating |
| Pipe Location: | Underground |
| Pipe Type: | GALVANIZED STEEL |
| Pipe Internal: | None |
| Pipe External: | None |
| Second Containment: | None |
| Leak Detection: | None |
| Overfill Prot: | None |
| Dispenser: | Not reported |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| Lat/long: | Not reported |

SPILLS:

| | |
|---|---|
| Facility ID: | 8201287 |
| Facility Type: | ER |
| DER Facility ID: | 296425 |
| Site ID: | 207812 |
| DEC Region: | 2 |
| Spill Date: | 10/13/1982 |
| Spill Number/Closed Date: | 8201287 / 4/1/1986 |
| Spill Cause: | Unknown |
| Spill Class: | Not reported |
| SWIS: | 0301 |
| Investigator: | TOMASELLO |
| Referred To: | Not reported |
| Reported to Dept: | Not reported |
| CID: | Not reported |
| Water Affected: | Not reported |

**NORTH STREET (Continued)** **U000396480**

| | |
|---|---|
| Spill Source: | Gasoline Station |
| Spill Notifier: | Other |
| Cleanup Ceased: | 4/1/1986 |
| Cleanup Meets Std: | True |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 6/10/1986 |
| Spill Record Last Update: | 7/26/2005 |
| Spiller Name: | Not reported |
| Spiller Company: | GULF |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | NY |
| Spiller Company: | 999 |
| Contact Name: | Not reported |
| Contact Phone: | Not reported |
| DEC Memo: | Not reported |
| Remarks: | Not reported |

Material:

| | |
|---|---|
| Site ID: | 207812 |
| Operable Unit ID: | 893837 |
| Operable Unit: | 01 |
| Material ID: | 484393 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Pounds |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**AE195** **2376 JEROME AVENUE** **NY LTANKS** **S101102955**
**ESE** **2376 JEROME AVENUE** **N/A**
**1/4-1/2** **BRONX, NY**
**0.438 mi.**
**2313 ft.** **Site 2 of 2 in cluster AE**

**Relative:**
**Higher**

**Actual:**
**104 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 268408 |
| Spill Number/Closed Date: | 9315191 / 3/25/1994 |
| Spill Date: | 3/25/1994 |
| Spill Cause: | Tank Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | 3/25/1994 |
| Cleanup Meets Standard: | True |
| SWIS: | 0301 |
| Investigator: | CAMMISA |
| Referred To: | Not reported |
| Reported to Dept: | 3/25/1994 |

**2376 JEROME AVENUE (Continued)** **S101102955**

| | |
|---|---|
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/28/1994 |
| Spill Record Last Update: | 9/30/2004 |
| Spiller Name: | Not reported |
| Spiller Company: | Not reported |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | ***Update***, ZZ |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 218651 |
| DEC Memo: | Not reported |
| Remarks: | OIL COMING OUT TANK TOP DURING DELIVERY (2 TANK) IN BASEMENT - COASTAL TO SEND SPILL TEAM - |

Material:

| | |
|---|---|
| Site ID: | 268408 |
| Operable Unit ID: | 993433 |
| Operable Unit: | 01 |
| Material ID: | 386957 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | -4 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**196 NNW 1/4-1/2 0.440 mi. 2323 ft.** **NYC DEPT OF SANITATION** **NY LTANKS** **S116156833**
**423 WEST 215TH ST** **N/A**
**NEW YORK, NY**

**Relative: Lower**

**Actual: 23 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 491224 |
| Spill Number/Closed Date: | 1310377 / Not Reported |
| Spill Date: | 1/29/2014 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Not reported |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 3101 |

**NYC DEPT OF SANITATION (Continued)** **S116156833**

| | |
|---|---|
| Investigator: | RJFENG |
| Referred To: | Not reported |
| Reported to Dept: | 1/29/2014 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 1 |
| Date Entered In Computer: | 1/29/2014 |
| Spill Record Last Update: | 1/29/2014 |
| Spiller Name: | MICHAEL SEPE |
| Spiller Company: | NYC DEPT OF SANITATION |
| Spiller Address: | 423 WEST 215TH ST |
| Spiller City,St,Zip: | NEW YORK, NY |
| Spiller County: | 999 |
| Spiller Contact: | MICHAEL SEPE |
| Spiller Phone: | (631) 586-5900 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 446230 |
| DEC Memo: | 1/29/2014 - Feng - called the tank tester Michael Sepe (631-714-9156) and left a message for him to call back. |
| Remarks: | no product in secondary, line failure |

Material:

| | |
|---|---|
| Site ID: | 491224 |
| Operable Unit ID: | 1240779 |
| Operable Unit: | 01 |
| Material ID: | 2241004 |
| Material Code: | 9999 |
| Material Name: | Other - biodiesel |
| Case No.: | Not reported |
| Material FA: | Other |
| Quantity: | Not reported |
| Units: | Not reported |
| Recovered: | Not reported |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**AF197** **AUDUBON PARTNERSHIP** **NY LTANKS** **U001836601**
**WNW** **513 WEST 207TH STREET** **NY UST** **N/A**
**1/4-1/2** **NEW YORK, NY 10034** **NY HIST AST**
**0.445 mi.**
**2348 ft.** **Site 1 of 2 in cluster AF**

**Relative:**
**Lower**

**Actual:**
**21 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 353294 |
| Spill Number/Closed Date: | 0507807 / 3/15/2006 |
| Spill Date: | 9/29/2005 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. |

**AUDUBON PARTNERSHIP (Continued)** **U001836601**

| | |
|---|---|
| | Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 3101 |
| Investigator: | SFRAHMAN |
| Referred To: | Not reported |
| Reported to Dept: | 9/29/2005 |
| CID: | 444 |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 9/29/2005 |
| Spill Record Last Update: | 3/15/2006 |
| Spiller Name: | MARLON JOESPH |
| Spiller Company: | BUSINESS |
| Spiller Address: | 513 WEST 207TH STREET |
| Spiller City,St,Zip: | NEW YORK, NY |
| Spiller County: | 001 |
| Spiller Contact: | MARLON JOESPH |
| Spiller Phone: | (718) 624-4842 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 300614 |
| DEC Memo: | TTF letter sent to:Chase Bank1 Chase Plaza - 23rd FlrNew York, NY 10081Attn: Jack Fucich03/01/06 Sharif Rahman- TTF letter was resent to AUDUBON PARTNERSHIP FOR ECONOMIC513 West 207th StreetNew York, NY 10034Attn: Carmen Diaz Fax:(212)544-024803/15/06 Sharif Rahman- Rec'd report from PTC. The tank is under the sidewalk. Lines run aboveground.The sidewalk was opened up and tank was emptied and cleaned out.Three holes were drilled through the bottom of the tank, a sample was taken from each hole. Samples were VOC/SVOC non detect. |
| Remarks: | dry portion leak, above liquid leak: |

Material:

| | |
|---|---|
| Site ID: | 353294 |
| Operable Unit ID: | 1110756 |
| Operable Unit: | 01 |
| Material ID: | 2100796 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 353294 |
| Spill Tank Test: | 1549349 |
| Tank Number: | 1 |
| Tank Size: | 3000 |

**AUDUBON PARTNERSHIP (Continued)** **U001836601**

| | |
|---|---|
| Test Method: | 03 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Watchdog |
| Last Modified: | 9/29/2005 |
| Test Method: | Horner EZ Check I or II |

UST:

| | |
|---|---|
| Id/Status: | 2-289647 / Unregulated/Closed |
| Program Type: | PBS |
| Region: | STATE |
| DEC Region: | 2 |
| Expiration Date: | 07/21/2010 |
| UTM X: | 591097.63684000005 |
| UTM Y: | 4524343.1166399997 |
| Site Type: | Other |

Affiliation Records:

| | |
|---|---|
| Site Id: | 13053 |
| Affiliation Type: | Mail Contact |
| Company Name: | AUDUBON PARTNERSHIP FOR |
| Contact Type: | Not reported |
| Contact Name: | CARMEN DIAZ |
| Address1: | ECONOMIC DEVELOPMENT LDC |
| Address2: | 513 WEST 207TH STREET |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10034 |
| Country Code: | 001 |
| Phone: | (212) 544-2400 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 9/7/2006 |

| | |
|---|---|
| Site Id: | 13053 |
| Affiliation Type: | On-Site Operator |
| Company Name: | AUDUBON PARTNERSHIP |
| Contact Type: | Not reported |
| Contact Name: | ALBERTINA CABRERA |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (212) 544-2400 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 9/7/2006 |

| | |
|---|---|
| Site Id: | 13053 |
| Affiliation Type: | Emergency Contact |
| Company Name: | AUDUBON PARTNERSHIP FOR ECONOMIC DEVELP |
| Contact Type: | Not reported |

**AUDUBON PARTNERSHIP (Continued)** **U001836601**

| | |
|---|---|
| Contact Name: | WALTHER DELGADO |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 999 |
| Phone: | (917) 771-6566 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KXTANG |
| Date Last Modified: | 11/1/2005 |

| | |
|---|---|
| Site Id: | 13053 |
| Affiliation Type: | Facility Owner |
| Company Name: | LUIS A. MIRANDA |
| Contact Type: | CHAIR PERSON |
| Contact Name: | LUIS A. MIRANDA |
| Address1: | 105 PAYSON AVE |
| Address2: | Not reported |
| City: | NEW YORK |
| State: | NY |
| Zip Code: | 10034 |
| Country Code: | 001 |
| Phone: | (212) 569-9148 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 9/7/2006 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank ID: | 18906 |
| Tank Status: | Closed - In Place |
| Material Name: | Closed - In Place |
| Capacity Gallons: | 2000 |
| Install Date: | Not reported |
| Date Tank Closed: | 03/21/2006 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

| | |
|---|---|
| Tightness Test Method: | 00 |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | NRLOMBAR |
| Last Modified: | 09/07/2006 |

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
F00 - Pipe External Protection - None

**AUDUBON PARTNERSHIP (Continued)** **U001836601**

I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
K00 - Spill Prevention - None
G03 - Tank Secondary Containment - Vault (w/o access)
L00 - Piping Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

HIST AST:

| | |
|---|---|
| PBS Number: | 2-289647 |
| SWIS Code: | 6201 |
| Operator: | CHASE BANK |
| Facility Phone: | (212) 567-8120 |
| Facility Addr2: | 513 WEST 207TH ST |
| Facility Type: | OTHER |
| Emergency: | JACK FUCICH |
| Emergency Tel: | (212) 552-5377 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | CHEMICAL BANK |
| Owner Address: | 1 CHASE PLAZA |
| Owner City,St,Zip: | NEW YORK, NY 10081 |
| Federal ID: | Not reported |
| Owner Tel: | (212) 622-8078 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Contact: | JACK FUCICH |
| Mailing Name: | CHASE BANK |
| Mailing Address: | 1 CHASE PLAZA |
| Mailing Address 2: | 23RD FLOOR |
| Mailing City,St,Zip: | NEW YORK, NY 10081 |
| Mailing Telephone: | (212) 552-5377 |
| Owner Mark: | Second Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 12/21/1998 |
| Expiration: | 12/14/2003 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 2000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | Minor Data Missing |
| Tank Screen: | No Missing Data |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 62 |
| Town or City Code: | 01 |
| Region: | 2 |
| Tank ID: | 001 |

**AUDUBON PARTNERSHIP (Continued)** **U001836601**

| | |
|---|---|
| Tank Location: | UNDERGROUND, VAULTED, WITH ACCESS |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 2000 |
| Product Stored: | NOS 1,2, OR 4 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | 0 |
| Tank External: | 01 |
| Pipe Location: | Aboveground/Underground Combination |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | None |
| Pipe External: | 01 |
| Tank Containment: | Diking |
| Leak Detection: | 00 |
| Overfill Protection: | 06 |
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | No Missing Data |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

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**AF198** **COMMERCIAL BLDG** **NY LTANKS** **S107489073**
**WNW** **513 W. 207TH ST.** **N/A**
**1/4-1/2** **NEW YORK, NY**
**0.445 mi.**
**2348 ft.** **Site 2 of 2 in cluster AF**

**Relative:**
**Lower**

**Actual:**
**21 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 355301 |
| Spill Number/Closed Date: | 0509515 / 8/16/2006 |
| Spill Date: | 11/8/2005 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 3101 |
| Investigator: | rvketani |
| Referred To: | Not reported |
| Reported to Dept: | 11/8/2005 |
| CID: | 406 |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 11/8/2005 |
| Spill Record Last Update: | 8/16/2006 |
| Spiller Name: | MARLON JOSEPH |
| Spiller Company: | COMMERCIAL BLDG |
| Spiller Address: | 513 W. 207TH ST. |

**COMMERCIAL BLDG (Continued)** **S107489073**

Spiller City,St,Zip: NEW YORK, NY
Spiller County: 001
Spiller Contact: MARLON JOSEPH
Spiller Phone: (646) 772-7949
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 305314
DEC Memo: PBS 2-289647Need to send a TTF letterNov. 25, 2005A "Tank Test Failure Letter" was sent to:Mr. Walter DelgadoAudubon Partnershipp for Economic Devel513 West 207th Street New York, NY 1003405/17/06-Vought-Spill transferred from DEC Vought to DEC Ketani as per DEC Austin.6/22/06 - Raphael Ketani. I called up Joe at PTC (718) 624-4842. He said that this is an old case (spill happened 11/8/05) and that he will have Diana call me back. The tank is 2000 gal., contained #2 fuel oil, and is listed as in service.7/5/06 - Raphael Ketani. I reached Diana. She gave me the phone number to Audubon (212) 544-2400. She said that they had a failed tank only test, abandoned the tank in place with slurry, had 2 275 gal. tanks installed in place, and other work. I called Audubon and was told to call Carmen Diaz after 12 noon. Ms. Diaz called me back to say that her contractor had sent her documents for the abandonmnent of the tank and other items. She asked which documents I needed. I told her I needed a revised PBS application for the 2000 gal. tank and any documents regarding cleanup and soil removal. She said she will call her vendor and get back to me.7/11/06 - Raphael Ketani. I received a call from Nora Hines of the Audubon Partnership. She said that she was the assistant for Ms. Diaz. She said she had a bunch of papers that she could send me copies of regarding the work that was done at the site. Ms. Hines went through the list of documents, but none were the ones I needed. I checked the PBS record and the tank is still listed as in service. I told Ms. Hines that I needed a revised PBS application to show that the tank is abandoned and a report from PTC describing the abandonment work and the removal of any contamination. She said she will talk to Ms. Diaz on monday when she comes back and get the proper paperwork.7/13/06 - Raphael Ketani. Ms. Hines FAXed me a copy of the current PBS record, and the failing tank test results (in the dry portion). I still need an official document regarding abandonment of the tank (and any cleanup that was needed) and a revised PBS application.7/20/06 - Raphael Ketani. I spoke to Ms. Diaz regarding the revised PBS application and the official letter regarding the abandonment of the tank and the replacement. She said that the person who normally handles these documents is on vacation and will be back on monday. She said she will get me these documents. 7/25/06 - Raphael Ketani. Ms. Albertina Cabrera, assistant to Ms. Diaz, called up to ask what documents I needed from the Audubon Partnership. I told her that I needed a revised PBS and a letter describing the cleanup and the tank abandonment. She said she will send it. 8/15/06 - Raphael Ketani. Mark Salamack of PTC (718) 624-4842 called regarding the site. He said that he will submit to me a cover letter explaining what went on at the site, with soil test results, tanks test results, and a revised PBS application. 8/16/06 - Raphael Ketani. I received a FAX late yesterday from Mr. Salamack regarding the site. The FAX consisted of a letter to Sharif Rahman dated March 9, 2006 from PTC, soil analytical data, a site map, a copy of Mr. Rahman's tank test failure letter, and a copy of the closed record from the publicly accessible spill database. Mr. Rahman's spill case record number was 0507807 and was initiated due

**COMMERCIAL BLDG (Continued)** **S107489073**

to a failed tank test for a 2000 gal. #2 fuel oil tank. His case was initiated on 9/29/05 and closed on 3/15/06. The case that I have, #0509515, also lists a 2000 gal. #2 fuel oil tank for the same site. This case was opened on 11/8/05 due to a tank test failure. The two cases appear to be exactly the same and are for the same site. I called up Mr. Salamack and he said that what they normally do is test the tank system first and then isolate the tank and test it alone. This would explain the two test dates.Based upon the documentation mentioned above that I received from Mr. Salamack, I am closing the spill case.

Remarks: System test was done in October 2005 and failed. Tank was then evacuated and the holes in the line were plugged. A tank test was done today and it failed again. Now they are looking for a new tank and abandon the old one. (No release)

Material:

| | |
|---|---|
| Site ID: | 355301 |
| Operable Unit ID: | 1112668 |
| Operable Unit: | 01 |
| Material ID: | 2102713 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 355301 |
| Spill Tank Test: | 1549497 |
| Tank Number: | 1 |
| Tank Size: | 3000 |
| Test Method: | 03 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Watchdog |
| Last Modified: | 11/8/2005 |
| Test Method: | Horner EZ Check I or II |

---

**AG199** **5 BUCHANAN PL** **NY LTANKS** **S102662927**
**SE** **5 BUCHANAN PL** **N/A**
**1/4-1/2** **BRONX, NY**
**0.449 mi.**
**2369 ft.** **Site 1 of 3 in cluster AG**

**Relative:**
**Higher**

**Actual:**
**102 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 240049 |
| Spill Number/Closed Date: | 9701122 / 4/25/1997 |
| Spill Date: | 4/25/1997 |
| Spill Cause: | Tank Overfill |
| Spill Source: | Private Dwelling |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |

**5 BUCHANAN PL (Continued)** **S102662927**

| | |
|---|---|
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | LUCE |
| Referred To: | Not reported |
| Reported to Dept: | 4/25/1997 |
| CID: | 366 |
| Water Affected: | Not reported |
| Spill Notifier: | Responsible Party |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 4/25/1997 |
| Spill Record Last Update: | 4/28/1997 |
| Spiller Name: | Not reported |
| Spiller Company: | MYSTIC TRANSPORTATION |
| Spiller Address: | 1901 STEINWAY ST |
| Spiller City,St,Zip: | ASTORIA, NY 11105- |
| Spiller County: | 001 |
| Spiller Contact: | CHARLIE BOETTIGER |
| Spiller Phone: | (718) 932-9075 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 197457 |
| DEC Memo: | Not reported |
| Remarks: | DRIVER OVERFILLED THE TANK AT APARTMENT BUILDING. MYSTIC WILL TAKE CARE OF CLEAN UP. |

Material:

| | |
|---|---|
| Site ID: | 240049 |
| Operable Unit ID: | 1043766 |
| Operable Unit: | 01 |
| Material ID: | 337683 |
| Material Code: | 0003A |
| Material Name: | #6 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 5 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

**200 NNW 1/4-1/2 0.449 mi. 2373 ft.** | **MANHATTAN DISTR. 8 (OLD BX W. 7) DOS -DDC**
**4036 9TH AVE**
**NEW YORK CITY, NY** | **NY LTANKS** | **S102659627**
**N/A**

**Relative: Lower**

**Actual: 26 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 281007 |
| Spill Number/Closed Date: | 9705837 / Not Reported |
| Spill Date: | 8/14/1997 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 3101 |
| Investigator: | ADZHITOM |
| Referred To: | SOIL BORINGS TO ADVANCE |
| Reported to Dept: | 8/14/1997 |
| CID: | 369 |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 1 |
| Date Entered In Computer: | 8/14/1997 |
| Spill Record Last Update: | 4/14/2014 |
| Spiller Name: | MR DI GERALAMO |
| Spiller Company: | NY SANITATION DEPT |
| Spiller Address: | 4036 9TH AVE |
| Spiller City,St,Zip: | NEW YORK CITY, ZZ |
| Spiller County: | 001 |
| Spiller Contact: | MR DI GERALAMO |
| Spiller Phone: | (718) 334-9138 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 228191 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KOLLEENY"10/04/05: Spill case transferred from J. Kolleeny to A. Zhitomirsky, who is DEC project manager for this DDC site. - J. Kolleeny10/07/2005 The site has free product plume. AZ10/24/2005 Quaterly Report from 5/24/2005 from LiRo was reviewed in July 2005. Reviewed and approved proposed soil boring locations for the first round of soil sampling. AZ1/24/07 At the meeting with DDC/URS on January 10, 2007, the site was discussed. URS will prepare a site map with existing borings/wells and tank locations. A site visit will be arranged. AZ3-17-2009 An e-mail was sent to Jane Staten (URS):"What's the status of this spill? I do not have any updates since 2007." AZ3-17-2008 J. Staten replied that she contacted Mike Murphy,DSNY, aboutthis spill number. URS wantS to make sure which tank the spill report is referring to before they spend the money for an investigation. AZMichael R. MurphyNYC Department of SanitationFacilities & Equipment125 Worth Street, Room 823BNew York, N.Y. 10013(T) 646-885-4876(C) 646-235-3041(E) mrmurphy@dsny.nyc.gov 9-2-09 URS in their report dated April 24-09 stated that they continue to research spill #9705837. AZ1-11-10 Reviewed free product recovery and groundwater monitoring data for the period April through |

**MANHATTAN DISTR. 8 (OLD BX W. 7) DOS -DDC (Continued)** **S102659627**

June 2009. VOCs were detected in wells LMW-09 and LMW-11 ranging from 1,530 ppb to 1,017 ppb respectively. Contaminant concentrations increased in a couple of wells this quarter. AZ4-5-2010 Reviewed a URS's report dated February 1, 2010. No free product has been detected at the site in over six months. URS will reduce the frequency of the product recovery visits from monthly to quarterly. VOC concentrations ranged from 6 ppb to 350 ppb. AZ6-3-2011 An e-mail was sent to K. Shenahan: "Dear Kevin, I have reviewed a report covering the period of October - December 2010 and dated April 28, 2010. The report provided a table with bulk storage records. This table indicated that a number of discrepancies exist between the URS records and the current PBS records including contents, status and capacity of tanks.A field inspection should be performed by URS. A reconciliation of existing tanks, past site plans, tank closure reports and NYSDEC's PBS registry data should be performed. URS should verify how many USTs were historically present and/or may still be located on site. Size, status (active/closed in place/removed) and contents of the existing/closed in place/removed tanks should be confirmed. Corrected detailed information should be reported to the DEC PBS Section and included in next monitoring report." AZ11-7-2011 An email was sent to URS (Kevin Shenahan):"Dear Kevin, I have reviewed a report covering the period of January - March 2011 and dated July 28, 2011. The report provided a table with bulk storage records. This table indicated that a number of discrepancies exist between the URS records and the current PBS records including contents, status and capacity of tanks.During a recent site visit, URS confirmed the accuracy of the status of several tanks. However, the status of many tanks is still unknown. The tank status should finalized in the next monitoring report. Corrected detailed information should be reported to the DEC PBS Section. Sincerely,Alexander ZhitomirskyEngineering Geologist 2NYSDEC Region 2Division of Environmental Remediation" AZ7-31-2012 The following e-mail was sent to URS/V. Brevdo/M. Asbagh:"Dear Kevin,I have received a groundwater monitoring data report for the first quarter 2012 and dated May 1, 2012. This report evaluated criteria for closure of spill #9705837. According to the report, the source of contamination was at Tank Area 4 and 5, which contained a 2,000-gallon gasoline UST (Area 4) and 1,000-gallon waste oil UST (Area 5). The tanks in Area 4 were removed in 1994 and the tank in Area 5 was replaced in 2000.However, spill report #9705837 states that spill#9705837 was reported when 5,000-gallon #2 fuel tank failed the test. This discrepancy should be resolved.Sincerely,Alexander ZhitomirskyEngineering Geologist 2NYSDEC Region 2Division of Environmental Remediation" AZ3/15/2013 Reviewed report dated 10-11-2012. The report requested that this spill number is transferred to Manhattan West 8 site. This spill is already attributed to Manhattan West 8 site. AZ5/28/2013 Reviewed a proposed Work Plan dated February 20, 2013. Discussed the ste with K. Shenahan over the phone. An e-mail was sent to K. Shenahan/V. brevdo/M. Asbagh:Dear Kevin,I have reviewed a Work Plan for the above site dated February 20, 2013. The Work Plan calls for investigation of a 5,000 gallon UST which failed a tightness test. This tank was presumably closed in place. The Work Plan submitted by URS is conditionally approved. URS should proceed with a geophysical survey of the designated areas. However, the Work Plan has not recommended any investigation of the piping and fill port associated with this UST. Also, only one well was recommended for installation. If soil

**MANHATTAN DISTR. 8 (OLD BX W. 7) DOS -DDC (Continued)** **S102659627**

contamination is encountered, three monitoring wells should be installed. After geophysical survey is completed, a map with the proposed soil boring locations should be submitted to DEC. The Work Plan should be modified to reflect the above mentioned comments and submitted to DEC. Sincerely,Alex Zhitomirsky5-28-2013 E-mail from K. Shenahan:"Alex,Thanks for the conditional approval. We will send you the results of the geophysical investigation and review the best locations for borings and wells. In addition, we will include investigation of remote fill and piping to the extend feasible. This will also be reviewed with you prior to drilling.Kevin J. Shanahan"7-29-2013 Contacted Kevin Shenahan. The geophysical showed potentially 3 USTs. A lot of potential piping was discovered. Nothing has been done at the site before. There two options: 1. Sample soil and ground water and if contamination is found, excavate the tanks and piping, if feasible. 2. Excavate the tanks and piping if feasible. Kevin will contact DDC and look for their input. AZ8-6-2013 The following e-mail was received from K. Shenahan (URS):Alex,As you requested, URS is re-issuing this e-mail documenting the boring locations and plan to install groundwater monitoring wells in accordance with the approved March 8, 2013 Work Plan. A total of 15 borings are proposed. If petroleum contamination is encountered, we will install at three groundwater monitoring wells around each tank and sample groundwater. We will also install additional wells as necessary to delineate the extent of free product or dissolved phase contamination.We have also attached the geophysical survey report for your files.Thanks,Kevin J. Shanahan8-13-2013 The following e-mail was sent to K. Shenahan/V. Brevdo/M. Asbagh/H. Roberts:"Dear Kevin,I have reviewed a modified Work Plan to install soil borings and groundwater monitoring wells. The Responsible Party and Contractors are responsible for the safe execution of the Work Plan. Sincerely,Alexander Zhitomirsky"4-10-2014 The following e-mail was sent to K. Shenahan and V. Brevdo:"Dear Kevin, I have reviewed an Investigation Summary and Remedial Plan for the above site. The Remedial Plan for this site proposed removal of tank#008 and any remaining piping within the footprint of the excavation. Also, limited soil excavation will be performed. I concur with this Work Plan. Former fill port should located and excavated, if feasible. Post excavation samples should be taken. URS should include proposed number and locations of the post excavation samples in the Design Analysis Report. The Responsible Party and Contractors are responsible for the safe execution of the Work Plan. Sincerely, Alexander Zhitomirsky"

Remarks: failed tank test info below

Material:

| | |
|---|---|
| Site ID: | 281007 |
| Operable Unit ID: | 1049117 |
| Operable Unit: | 01 |
| Material ID: | 331454 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |

**MANHATTAN DISTR. 8 (OLD BX W. 7) DOS -DDC (Continued)** **S102659627**

Oxygenate: False

Tank Test:
Site ID: 281007
Spill Tank Test: 1545274
Tank Number: 1
Tank Size: 5000
Test Method: 03
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Horner EZ Check I or II

---

**201 NNE 1/4-1/2 0.452 mi. 2384 ft.**

**2593 SEDGWICK AVENUE**
**2593 SEDGWICK AVENUE**
**BRONX, NY**

**NY LTANKS** **S101658308**
**N/A**

**Relative: Higher**

**Actual: 145 ft.**

LTANKS:
Site ID: 150692
Spill Number/Closed Date: 9501893 / 5/15/1995
Spill Date: 5/15/1995
Spill Cause: Tank Failure
Spill Source: Private Dwelling
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: 5/15/1995
Cleanup Meets Standard: True
SWIS: 0301
Investigator: SMMARTIN
Referred To: Not reported
Reported to Dept: 5/15/1995
CID: Not reported
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 5/26/1995
Spill Record Last Update: 9/30/2004
Spiller Name: Not reported
Spiller Company: SAME
Spiller Address: Not reported
Spiller City,St,Zip: NN
Spiller County: 999
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 128110
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
Remarks: STAIN 6’ X 4’ FROM BOTTOM OF TANK.

**2593 SEDGWICK AVENUE (Continued)** **S101658308**

Material:

| | |
|---|---|
| Site ID: | 150692 |
| Operable Unit ID: | 1016321 |
| Operable Unit: | 01 |
| Material ID: | 366968 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | -1 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**202 East 1/4-1/2 0.455 mi. 2402 ft.**

**IN THE BASEMENT**
**2473 DAVIDSON AVE**
**BRONX, NY**

**NY LTANKS** **S110769617**
**N/A**

**Relative: Higher**

**Actual: 123 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 446048 |
| Spill Number/Closed Date: | 1012134 / 8/19/2011 |
| Spill Date: | 3/7/2011 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Private Dwelling |
| Spill Class: | Not reported |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | HRPATEL |
| Referred To: | Not reported |
| Reported to Dept: | 3/7/2011 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/7/2011 |
| Spill Record Last Update: | 8/23/2011 |
| Spiller Name: | ROBERT EVANS |
| Spiller Company: | ROBERT EVANS |
| Spiller Address: | 2473 DAVIDSON AVE |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller County: | 999 |
| Spiller Contact: | JEFF MCKENZIE |
| Spiller Phone: | (800) 440-8265 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 400903 |
| DEC Memo: | 03/11/11-Hiralkumar Patel.2:19 PM:- spoke with Christie at ATS. she |

**IN THE BASEMENT (Continued)** **S110769617**

mentioned that property manager is looking for contractor to fix tank system and then ATS will go back for retesting.2:22 PM:- left message for Evan Robert, property manager.alternate address: noneno other spills.PBS #: 2-509485. as per PBS record, site has one 2,000 gal #2 oil AST in contact with soil. PBS registration has expired on 11/02/10.A & R Davidson Mgt. LLC. **property owner**36 East 37th StreetNew York, NY 10018Attn.: Evan Robert **property owner**Ph. (212) 695-3510Fax (212) 643-2061email: evanrobertap@aol.com03/14/11-Hiralkumar Patel.12:59 PM:- left message for Evan Robert.1:07 PM:- received call from Mr. Robert. asked him to conduct an isolation test or pump out tank by end of tomorrow to avoid any further release.2:04 PM:- sent TTF letter to Mr. Robert requiring isolation test and PBS renewal. letter emailed to Mr. Robert with PBS application. asked Mr. Robert to submit isolation test result by 9 AM on 03/16/11.03/16/11-Hiralkumar Patel.11:23 AM:- received call from Mr. Robert. he is still waiting for cost proposal for isolation test. during conversation, he mentioned that tank is aboveground. informed him that if tank is completely visible (including bottom) and there is no leak from tank bottom and lines to/from boiler are running aboveground with no leak, then no need for isolation test. but there should be no more oil deliveries until the tank system is fixed and tested tight again. informed him that if there is leak found in fill line and if portion of fill line is underground, then further investigation is needed. Mr. Robert will call back after talking to his super to confirm that tank is completely aboveground and not wrap with concrete.03/17/11-Hiralkumar Patel.10:53 AM:- received call from Daniel from DD Contracting, company hired to do tank repairs. Daniel is on site right now. he mentioned that site has 1,500 gal tank completely wrapped in concrete. he was told to fix the fill line. fill line runs aboveground and fill port is located on building foundation wall. Daniels did not see any sign of leak from fill line but he was asked to change fill line. no oil found from weep holes on bottom of concrete wrap. supply/return lines run underground.DanielDD ContractingPh. (646) 321-264603/21/11-Hiralkumar Patel. letter sent to Mr. Robert came back undelivered.4:15 PM:- spoke with Daniel. he has finished repair and waiting for re-testing. he will call once retesting is scheduled.03/24/11-Hiralkumar Patel.3:41 PM:- sent email to Mr. Robert requiring to submit result of retesting of tank system.03/29/11-Hiralkumar Patel.11:54 AM:- spoke with operator at Mr. Robert's office. she mentioned that ATS went for retesting but required more repair. technician is on-site today for repair. she will ask technician to call.12:25 PM:- received message from Daniel.2:42 PM:- left message for Daniel.4:22 PM:- spoke with Mr. Robert and Daniel. asked Mr. Robert to either prove that tank/supply/return lines are not leaking (by having isolation test of these parts) or pump out tank until the system is tested tight. also asked Mr. Robert to seal the fill port to prevent any more oil deliveries. told Mr. Robert that if required document is not submitted by end of tomorrow, case will be referred to legal.03/30/11-Hiralkumar Patel.10:30 AM:- visited site. met Daniel. site occupies by a five story building with a basement. a 1,500 gal AST is completely wrapped in cinder blocks. weep holes at the bottom of tnak wrap. no oil observed coming out from two visible weep holes. tank is about 6 ft away from the boiler in next room. all the lines running aboveground except about 6-7 ft of supply/return lines running under the boiler room floor and fill line running under the

**IN THE BASEMENT (Continued)** **S110769617**

sidewalk. found valve connection (old connection from other pipes) in middle of fill line. gauge is not working.Daniel mentioned that they changed a piece of fill line in area where it enters into tank and now waiting for retest (which hasn't done yet) which will ocuur on 04/04/11.as no sign of any release observed inside the basement and as tank will be re-tested on 04/04/11, approved Daniel's request not to empty out the tank.1:45 PM:- left message for Mr. Robert.2:06 PM:- received message from Daniel.04/15/11-Hiralkumar Patel.3:26 PM:- left message for Daniel inquiring updates.05/26/11-Hiralkumar Patel.1:30 PM:- left message for Mr. Robert.1:36 PM:- received message from Mr. Robert's office.06/06/11-Hiralkumar Patel.4:33 PM:- spoke with Mr. Robert and he mentioned that all work has been completed. spoke with Shin, Mr. Robert's assistance. she mentioned that tank passed the test. asked her to submit a statement (or invoice) from contractor including reason for tank test failure, repair done, any contamination during repair or not and passing tank test result. asked her to submit documents by end of 06/08/11.4:40 PM:- sent email to Mr. Robert and asked him to submit spill closure report by the end of 06/08/11.06/07/11-Hiralkumar Patel.2:12 PM:- received email from Mr. Robert including copy of invoice. as per invoice from DD Contracting, they replace epoxy patch on oil tank with fiberglass resin patch, replace tank whistle and pipe which were leaking air and installed new petrometer.06/09/11-Hiralkumar Patel.11:44 AM:- sent email to Mr. Robert and asked him to send letter report from contractor including following:- cause of tank system failure- type of repair done- any contamination found during repair or not- results of tank system test performed after repair doneasked him to submit documents by 06/13/11 - final notice.08/05/11-Hiralkumar Patel.11:24 AM:- spoke with Shin. she has access to Mr. Robert's email account and she mentioned that they did not received email dated 06/09/11. informed her that email will be resent. asked her to submit report as per the email, by the end of 08/09/11.11:28 AM:- sent email to Shin (at Mr. Robert's email address) requiring to submit report by 08/09/11.11:30 AM:- spoke with Shin. she confirmed that she received the email and will send document by 08/09/11.08/11/11-Hiralkumar Patel.4:29 PM:- received email from Shin including letter from DD Contractring. as per Daniel from DD Contracting, tank system failed a test due to leaking 1/4 inch copper line compression fitting located at the top of the tank. the fitting was replaced. no contamination found during repair. as per Daniel, tank system was pressure tested and passed.08/15/11-Hiralkumar Patel.2:33 PM:- spoke with Shin and asked her to submit tank system test result.4:09 PM:- received email from Shin including tank pressure test result. result is not acceptable as includes tight tank and no information about system test.08/19/11-Hiralkumar Patel.11:50 AM:- spoke with Shin and informed her that tightness test must be performed for entire system. she will call ATS, who performed test, for corrected result.12:35 PM:- received email from Shin. she mentioned that Kristi Clune from ATS environmental will send tank test result.Kristi CluneATS EnvironmentalPh. (800) 440-8265 Ext. 107Email: kristi@atsenvironmental.com12:36 PM:- spoke with Kirsti. she mentioned that they tested entire tank system. asked her to submit test result that shows tank system is tight.1:16 PM:- received tank test result from Kristi.based on available information, case closed.**also see spill #: 1012136 as same managmenet and tank test failure.**

Remarks: vent pipe is loose from the top of the tank, after repaired they will

**IN THE BASEMENT (Continued)** **S110769617**

retest.

Material:

| | |
|---|---|
| Site ID: | 446048 |
| Operable Unit ID: | 1196412 |
| Operable Unit: | 01 |
| Material ID: | 2192712 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | Not reported |
| Recovered: | Not reported |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

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**AG203** **APARTMENT BLDG** **NY LTANKS** **S106972198**
**SE** **2201 JEROME AVE/1 W.182ND** **N/A**
**1/4-1/2** **BRONX, NY**
**0.461 mi.**
**2435 ft.** **Site 2 of 3 in cluster AG**

**Relative:**
**Higher**

**Actual:**
**99 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 349115 |
| Spill Number/Closed Date: | 0504353 / 8/31/2006 |
| Spill Date: | 7/12/2005 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | HRPATEL |
| Referred To: | Not reported |
| Reported to Dept: | 7/12/2005 |
| CID: | 406 |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 7/12/2005 |
| Spill Record Last Update: | 8/31/2006 |
| Spiller Name: | JOSH NEWSTEIN |
| Spiller Company: | APARTMENT BLDG |
| Spiller Address: | 2201 JEROME AVE/1 W.182ND |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller County: | 001 |
| Spiller Contact: | JOSH NEWSTEIN |
| Spiller Phone: | (718) 601-2000 |
| Spiller Extention: | Not reported |

**APARTMENT BLDG (Continued)** **S106972198**

DEC Region: 2
DER Facility ID: 295575
DEC Memo: 7/13/05 mt//ttf letter sent////5,000 gal UST, borings around the tank, three borings around tank showed clean soil, one boring above the tank found contaminated soil. Gasket was replaced a year ago. Mr. Mort, the owner, said the report will be sent to the Department for review.1/9/2006 - JZ: As per Randy's direction, this spill is reassigned to Feroze.03/15/06. Spill is transferred from Feroze to Kumer Patel.04/06/06-Hiralkumar Patel. Spoke with Mr. Mort. he will call back with more information. Received call from Mr. Mort. as per him, they are planning to remove the tank, which is burried outside of building, and install new 5000 gal tank inside the building. when they take out old tank, they will remove all pipings associated with that and will remove any contaminated soil. as per the report he has, they found some contamination at vent pipe location and he thinks it only reached couple of feet in ground. i told him that this case will be closed when he submit endpoint sample results after tank removal. he will call me once he start working removing tank from location. he has submitted the report to DEC_Zhoe.05/05/06-Hiralkumar Patel. Spoke to Mr. Mort (718-601-2000). they haven't start tank removal yet. will start in couple of weeks.06/05/06-Hiralkumar Patel. spoke to Mr. Mort. they are working at another site in Manhattan. once they done there, they will remove tank from this location.07/31/06-Hiralkumar Patel. spoke with Mr. Mort. they will finish work by end of August.08/31/06-Hiralkumar Patel. spoke with Mr. Mort. Mr. Mort mentioned that he was dealing with DEC Leszek. he will send me copy of letter from Leszek. now Mr. Mort is planning to remove contaminated soil and to use same tank.received copy of letter sent by Leszek. old spill# is 0210857. this was also reported as tank test failure. spoke with Mr. Mort and asked to submit all documents to Leszek.spoke with DEC Leszek. he will work on this case under older spill case. Refer spill#: 0210857.
Remarks: Tank test failure. Vent line will have to be repaired. Unsure who will be fixing the vent line.

Material:
Site ID: 349115
Operable Unit ID: 1106746
Operable Unit: 01
Material ID: 2096064
Material Code: 0002A
Material Name: #4 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 349115
Spill Tank Test: 1549066
Tank Number: Not reported
Tank Size: 5000
Test Method: 03

**APARTMENT BLDG (Continued)** **S106972198**

| | |
|---|---|
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Watchdog |
| Last Modified: | 7/12/2005 |
| Test Method: | Horner EZ Check I or II |

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**204 NNE 1/4-1/2 0.462 mi. 2437 ft.** | **2590 BAILEY AVE/BX/GETTY0** | **NY LTANKS** | **S100146997**
**2590 BAILEY AVENUE** | **N/A**
**NEW YORK CITY, NY**

**Relative: Lower**

**Actual: 46 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 115527 |
| Spill Number/Closed Date: | 9101247 / 7/16/1992 |
| Spill Date: | 4/30/1991 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Gasoline Station |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | 7/16/1992 |
| Cleanup Meets Standard: | True |
| SWIS: | 0301 |
| Investigator: | SULLIVAN |
| Referred To: | Not reported |
| Reported to Dept: | 4/30/1991 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 5/1/1991 |
| Spill Record Last Update: | 7/28/1992 |
| Spiller Name: | Not reported |
| Spiller Company: | GETTY PETRO CORP |
| Spiller Address: | 4301 BOSTON POST ROAD |
| Spiller City,St,Zip: | BRONX, NY 10466 |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 100673 |
| DEC Memo: | Not reported |
| Remarks: | (5) 550 GAL TANK SYSTEM FAILED PETRO TITE,WOULD NOT HOLD LEVEL,WILL EXCAVATE,ISOLATE & RETEST,SUSPECT PIPING. |

Material:

| | |
|---|---|
| Site ID: | 115527 |
| Operable Unit ID: | 954822 |
| Operable Unit: | 01 |
| Material ID: | 427370 |
| Material Code: | 0009 |
| Material Name: | Gasoline |

**2590 BAILEY AVE/BX/GETTY0 (Continued)** **S100146997**

| | |
|---|---|
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | -1 |
| Units: | Not reported |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 115527 |
| Spill Tank Test: | 1538512 |
| Tank Number: | Not reported |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |

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**AH205** **DYCKMAN HOUSES -NYCHA** **NY LTANKS** **S104073520**
**West** **3796 10TH AVENUE** **NY Spills** **N/A**
**1/4-1/2** **MANHATTAN, NY**
**0.469 mi.**
**2477 ft.** **Site 1 of 4 in cluster AH**

**Relative:**
**Lower**

**Actual:**
**16 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 319721 |
| Spill Number/Closed Date: | 9300549 / 3/24/2004 |
| Spill Date: | 4/12/1993 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 3101 |
| Investigator: | JAKOLLEE |
| Referred To: | Not reported |
| Reported to Dept: | 4/12/1993 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 4/13/1993 |
| Spill Record Last Update: | 12/30/2005 |
| Spiller Name: | Not reported |
| Spiller Company: | NYCHA |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | NY |
| Spiller County: | 999 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |

**DYCKMAN HOUSES -NYCHA (Continued)** **S104073520**

| | |
|---|---|
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 124111 |
| DEC Memo: | Not reported |
| Remarks: | EIR.See 9409078. George Breen |

Material:

| | |
|---|---|
| Site ID: | 319721 |
| Operable Unit ID: | 979161 |
| Operable Unit: | 01 |
| Material ID: | 401301 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Pounds |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 319721 |
| Spill Tank Test: | 1541397 |
| Tank Number: | 001 |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |

| | |
|---|---|
| Site ID: | 330864 |
| Spill Number/Closed Date: | 9004308 / 4/25/1995 |
| Spill Date: | 7/18/1990 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | 4/25/1995 |
| Cleanup Meets Standard: | True |
| SWIS: | 3101 |
| Investigator: | HEALY |
| Referred To: | Not reported |
| Reported to Dept: | 7/18/1990 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 7/19/1990 |
| Spill Record Last Update: | 12/30/2005 |

**DYCKMAN HOUSES -NYCHA (Continued)** **S104073520**

| | |
|---|---|
| Spiller Name: | Not reported |
| Spiller Company: | NYCHA |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | ZZ |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 124111 |
| DEC Memo: | Not reported |
| Remarks: | (2) 20K TANKS MANIFOLDED FAILED A HORNER EZY CHECK WITH A GROSS LEAK, VISUAL LEAK AT PETROMETER FLANGE ON TANK TOP, WILL EXCAVATE,ISOLATE & RETEST. SEE SPILL # 9300549 & 9315476. See 9409078. George Breen |

Material:

| | |
|---|---|
| Site ID: | 330864 |
| Operable Unit ID: | 944653 |
| Operable Unit: | 01 |
| Material ID: | 435407 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | -1 |
| Units: | Pounds |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 330864 |
| Spill Tank Test: | 1537315 |
| Tank Number: | 001 |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |
| Site ID: | 330864 |
| Spill Tank Test: | 1537316 |
| Tank Number: | 002 |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |

| | |
|---|---|
| Site ID: | 323749 |
| Spill Number/Closed Date: | 9200115 / 4/25/1995 |
| Spill Date: | 4/3/1992 |

**DYCKMAN HOUSES -NYCHA (Continued)** **S104073520**

| | |
|---|---|
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Known release that creates potential for fire or hazard. (Highly Improbable) |
| Cleanup Ceased: | 4/25/1995 |
| Cleanup Meets Standard: | True |
| SWIS: | 3101 |
| Investigator: | HEALY |
| Referred To: | Not reported |
| Reported to Dept: | 4/3/1992 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 4/7/1992 |
| Spill Record Last Update: | 12/30/2005 |
| Spiller Name: | Not reported |
| Spiller Company: | NYCHA |
| Spiller Address: | 250 BWAY. |
| Spiller City,St,Zip: | NY, NY 10007 |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 124111 |
| DEC Memo: | Not reported |
| Remarks: | UNK. FURTHER ACTION. UPDATE 4/24/92 - TANK #2 RETESTED, FAILED. SEE SPILL # 9300549 & 9315476 |

Material:

| | |
|---|---|
| Site ID: | 323749 |
| Operable Unit ID: | 967346 |
| Operable Unit: | 01 |
| Material ID: | 414942 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Not reported |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 323749 |
| Spill Tank Test: | 1539826 |
| Tank Number: | 001 |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |

**DYCKMAN HOUSES -NYCHA (Continued)** **S104073520**

| | |
|---|---|
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |
| Site ID: | 323749 |
| Spill Tank Test: | 1539827 |
| Tank Number: | 002 |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |

SPILLS:

| | |
|---|---|
| Facility ID: | 9409078 |
| Facility Type: | ER |
| DER Facility ID: | 124111 |
| Site ID: | 145673 |
| DEC Region: | 2 |
| Spill Date: | 10/7/1994 |
| Spill Number/Closed Date: | 9409078 / Not Reported |
| Spill Cause: | Unknown |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 3101 |
| Investigator: | jkkann |
| Referred To: | WP RCVD 11/19/08 |
| Reported to Dept: | 10/7/1994 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Notifier: | Affected Persons |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 1 |
| Date Entered In Computer: | 10/11/1994 |
| Spill Record Last Update: | 5/25/2012 |
| Spiller Name: | Not reported |
| Spiller Company: | NYC HOUSING AUTHORITY |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | ZZ |
| Spiller Company: | 001 |
| Contact Name: | Not reported |
| Contact Phone: | Not reported |
| DEC Memo: | 10/3/08: Spill transferred from J. Kolleeney to J.Kann.10/09/08: J.kann - Met with NYCHA and their consultant (Prefferred Environmental) on October 3 to discuss requirements of the site. Proposed and agreed to the installation of 5 borings (collection of gw and soil from each) and 1 additional wells (3 wells remains on site, 2 with product). Work Plan will be submitted shortly.11/24/08: J.Kann - WP submitted on 11/19/085/25/12: J.Kann - assigned priority P0 to site as a part of monthly report tracking. |

**DYCKMAN HOUSES -NYCHA (Continued)** **S104073520**

Remarks: CONTAMINATED SOIL FOUND DURING TANK PULL. SOIL BEING STOCKPILED - SAMPLES TAKEN FOR LAB ANALYSIS. See 9300549 and 9315476. George Breen. Not reported

Material:

| | |
|---|---|
| Site ID: | 145673 |
| Operable Unit ID: | 1003087 |
| Operable Unit: | 01 |
| Material ID: | 378507 |
| Material Code: | 0063A |
| Material Name: | UNKNOWN HAZARDOUS MATERIAL |
| Case No.: | Not reported |
| Material FA: | Hazardous Material |
| Quantity: | 0 |
| Units: | Pounds |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |
| Site ID: | 145673 |
| Operable Unit ID: | 1003087 |
| Operable Unit: | 01 |
| Material ID: | 378506 |
| Material Code: | 0003A |
| Material Name: | #6 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 145673 |
| Spill Tank Test: | 1543225 |
| Tank Number: | Not reported |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |

---

**AH206** **266-272 NAGLE AVENUE** **NY LTANKS** **U003395621**
**West** **266-272 NAGLE AVENUE** **NY AST** **N/A**
**1/4-1/2** **NEW YORK, NY 10034** **NY HIST AST**
**0.474 mi.**
**2502 ft.** **Site 2 of 4 in cluster AH**

**Relative:**
**Lower**

**Actual:**
**17 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 446423 |
| Spill Number/Closed Date: | 1012487 / 1/24/2012 |
| Spill Date: | 3/15/2011 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Private Dwelling |
| Spill Class: | Possible release with minimal potential for fire or hazard or Known |

**266-272 NAGLE AVENUE (Continued)** **U003395621**

| | |
|---|---|
| | release with no damage. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 3101 |
| Investigator: | SMSANGES |
| Referred To: | Not reported |
| Reported to Dept: | 3/15/2011 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/15/2011 |
| Spill Record Last Update: | 1/24/2012 |
| Spiller Name: | JOHN |
| Spiller Company: | UNKNOWN |
| Spiller Address: | 266-272 NAGLE AVE |
| Spiller City,St,Zip: | NEW YORK, NY |
| Spiller County: | 999 |
| Spiller Contact: | JOHN |
| Spiller Phone: | (718) 882-3200 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 401257 |
| DEC Memo: | On 3/22/2011 several lines were tightened and the system was retested and passed. No contamination was found. |
| Remarks: | 3000g |

Material:

| | |
|---|---|
| Site ID: | 446423 |
| Operable Unit ID: | 1196775 |
| Operable Unit: | 01 |
| Material ID: | 2193101 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | Not reported |
| Units: | Not reported |
| Recovered: | Not reported |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-600418 |
| Program Type: | PBS |
| UTM X: | 591003.89593999996 |

**266-272 NAGLE AVENUE (Continued)** **U003395621**

UTM Y: 4524146.46796
Expiration Date: 01/14/2015
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 22400
Affiliation Type: Mail Contact
Company Name: 266 LLC
Contact Type: Not reported
Contact Name: JOHN GJONAJ
Address1: 280 EAST 204TH STREET
Address2: Not reported
City: BRONX
State: NY
Zip Code: 10467
Country Code: 001
Phone: (718) 882-3200
EMail: GJOVALINGJONAJ@AOL.COM
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 4/1/2014

Site Id: 22400
Affiliation Type: On-Site Operator
Company Name: 266-272 NAGLE AVE
Contact Type: Not reported
Contact Name: FARO SYLA
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (917) 490-8343
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 4/1/2014

Site Id: 22400
Affiliation Type: Emergency Contact
Company Name: 266 LLC
Contact Type: Not reported
Contact Name: JOHN GJONAJ
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (718) 882-3200
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 4/1/2014

Site Id: 22400
Affiliation Type: Facility Owner

**266-272 NAGLE AVENUE (Continued)** **U003395621**

| | |
|---|---|
| Company Name: | 266 LLC |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | 280 EAST 204TH STREET |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10467 |
| Country Code: | 001 |
| Phone: | (718) 882-3200 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 6/3/2013 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 42584 |
| Material Code: | 0002 |
| Common Name of Substance: | #4 Fuel Oil (On-Site Consumption) |

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
K00 - Spill Prevention - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G03 - Tank Secondary Containment - Vault (w/o access)
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 1 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not reported |
| Install Date: | 10/01/1988 |
| Capacity Gallons: | 3000 |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | NRLOMBAR |
| Last Modified: | 04/01/2014 |
| Material Name: | #4 Fuel Oil (On-Site Consumption) |

HIST AST:

| | |
|---|---|
| PBS Number: | 2-600418 |
| SWIS Code: | 6201 |
| Operator: | JULIO ESPINOSA |
| Facility Phone: | (212) 569-8795 |
| Facility Addr2: | 266 NAGLE AVENUE |

**266-272 NAGLE AVENUE (Continued)** **U003395621**

| | |
|---|---|
| Facility Type: | APARTMENT BUILDING |
| Emergency: | JULIO ESPINOSA |
| Emergency Tel: | (212) 569-8795 |
| Old PBSNO: | Not reported |
| Date Inspected: | Not reported |
| Inspector: | Not reported |
| Result of Inspection: | Not reported |
| Owner Name: | NAGLE HOLDING CO LP |
| Owner Address: | 825 EAST 233RD STREET |
| Owner City,St,Zip: | BRONX, NY 10466 |
| Federal ID: | Not reported |
| Owner Tel: | (212) 324-1950 |
| Owner Type: | Private Resident |
| Owner Subtype: | Not reported |
| Mailing Contact: | MICHAEL LAUB |
| Mailing Name: | NAGLE HOLDING CO LLC |
| Mailing Address: | 825 EAST 233RD STREET |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX,, NY 10466 |
| Mailing Telephone: | (212) 324-1950 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Certification Flag: | False |
| Certification Date: | 09/21/2001 |
| Expiration: | 11/07/2006 |
| Renew Flag: | False |
| Renew Date: | Not reported |
| Total Capacity: | 3000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | No Missing Data |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 62 |
| Town or City Code: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank ID: | 001 |
| Tank Location: | ABOVEGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (Gal): | 3000 |
| Product Stored: | NOS 5 OR 6 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | 0 |
| Tank External: | 0 |
| Pipe Location: | Aboveground |
| Pipe Type: | STEEL/IRON |
| Pipe Internal: | None |
| Pipe External: | 6 |
| Tank Containment: | Diking |
| Leak Detection: | 0 |
| Overfill Protection: | 64 |

**266-272 NAGLE AVENUE (Continued)** **U003395621**

| | |
|---|---|
| Dispenser Method: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | No Missing Data |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| SPDES Number: | Not reported |
| Lat/Long: | Not reported |

---

**AG207** **RESIDENTS** **NY LTANKS** **U000398536**
**SE** **1 WEST 182ND ST** **NY HIST UST** **N/A**
**1/4-1/2** **BRONX, NY 10453** **NY AST**
**0.475 mi.**
**2508 ft.** **Site 3 of 3 in cluster AG**

**Relative:**
**Higher**

**Actual:**
**97 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 136850 |
| Spill Number/Closed Date: | 0209884 / 7/12/2004 |
| Spill Date: | 12/30/2002 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Private Dwelling |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | JMROMMEL |
| Referred To: | Not reported |
| Reported to Dept: | 12/30/2002 |
| CID: | 396 |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 12/30/2002 |
| Spill Record Last Update: | 7/12/2004 |
| Spiller Name: | Not reported |
| Spiller Company: | SAME |
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | NN |
| Spiller County: | 999 |
| Spiller Contact: | JOSH NEUSTEIN |
| Spiller Phone: | (718) 796-3200 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 80427 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"07/12/2004Site consolidated under spill 0210857See 0210857 for site status.Rommel |
| Remarks: | gross failure. |

Material:

| | |
|---|---|
| Site ID: | 136850 |

**RESIDENTS (Continued)** **U000398536**

Operable Unit ID: 863106
Operable Unit: 01
Material ID: 513303
Material Code: 0002A
Material Name: #4 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 136850
Spill Tank Test: 1527878
Tank Number: 126
Tank Size: 5000
Test Method: 03
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Horner EZ Check I or II

Site ID: 87824
Spill Number/Closed Date: 0210857 / 11/13/2007
Spill Date: 1/29/2003
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 0301
Investigator: LXZIELIN
Referred To: Not reported
Reported to Dept: 1/29/2003
CID: 282
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1/29/2003
Spill Record Last Update: 11/23/2007
Spiller Name: JOSH NEUSTEIN
Spiller Company: 1071 HOME CORP
Spiller Address: PO BOX 590
Spiller City,St,Zip: BRONX, NY 10463-
Spiller County: 001
Spiller Contact: ABRAHAM WACHSLER
Spiller Phone: (718) 731-7011
Spiller Extention: Not reported
DEC Region: 2

**RESIDENTS (Continued)** **U000398536**

DER Facility ID: 80427
DEC Memo: 11/13/07 - ZielinskiABC Tank Repair and Lining, Inc., sent a report, dated November 9, 2007, that shows no VOCs contamination next to the previously used fill box. SVOCs analyses indicate chrysene 100 ppb, fluoranthene 2100 ppb, pyrene 2200 ppb. Previously taken four soil samples next to the tank were below TAGM # 4046 with exception of benzo(a)anthracene - 884 ppb. The tank was replaced by an AST on April 25, 2007. EDOCs contain above-stated information and also results of tank testing, DEC letter of August 24, 2006, two faxed information from Home Company (the operator of the tank).The case is closed.08/27/07 - ZielinskiSpoke with Mort Yuter; he said that within one, two weeks he would hire a company to remove contaminated soil and perform analyses of endpoint soil samples. 08/24/06 - ZielinskiLeszek Zielinski is assigned to this case. Faxed a letter to the owner of the tank requesting retesting the tank immediately. file transferred to co 7/05, assigned to Jarratt. Contacted M. Yates of Home Company who informed us the tank is being replaced. DEC should check back in Dec ’05 for update.12/29/05: called Home Company (718) 601-2000. They are still negotiating for the tank replacement.08/31/06-Hiralkumar Patel. refer notes from spill # 0504353, as these both cases are for same site.
Remarks: tank failed the test.

Material:
Site ID: 87824
Operable Unit ID: 861902
Operable Unit: 01
Material ID: 514227
Material Code: 0002A
Material Name: #4 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 87824
Spill Tank Test: 1527982
Tank Number: 1
Tank Size: 5000
Test Method: 03
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Horner EZ Check I or II

HIST UST:
PBS Number: 2-195464
SPDES Number: Not reported
Emergency Contact: JOSH NEUSTEIN
Emergency Telephone: (718) 796-3200

**RESIDENTS (Continued)** **U000398536**

| | |
|---|---|
| Operator: | LUIS ABRAMSON |
| Operator Telephone: | (917) 706-4120 |
| Owner Name: | 1071 HOME CORP |
| Owner Address: | PO BOX 590 |
| Owner City,St,Zip: | BRONX, NY 10463 |
| Owner Telephone: | (718) 796-3200 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not reported |
| Mailing Name: | 1071 HOME CORP |
| Mailing Address: | PO BOX 590 |
| Mailing Address 2: | Not reported |
| Mailing City,St,Zip: | BRONX, NY 10463 |
| Mailing Contact: | JOSH NEUSTEIN, PRESIDENT |
| Mailing Telephone: | (718) 796-3200 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Facility Addr2: | 1 WEST 182ND ST |
| SWIS ID: | 6001 |
| Old PBS Number: | Not reported |
| Facility Type: | APARTMENT BUILDING |
| Inspected Date: | Not reported |
| Inspector: | Not reported |
| Inspection Result: | Not reported |
| Federal ID: | Not reported |
| Certification Flag: | False |
| Certification Date: | 07/11/1997 |
| Expiration Date: | 07/07/2002 |
| Renew Flag: | False |
| Renewal Date: | Not reported |
| Total Capacity: | 5000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | No Missing Data |
| Dead Letter: | False |
| CBS Number: | Not reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City: | 01 |
| Region: | 2 |

| | |
|---|---|
| Tank Id: | 126 |
| Tank Location: | UNDERGROUND |
| Tank Status: | In Service |
| Install Date: | Not reported |
| Capacity (gals): | 5000 |
| Product Stored: | NOS 5 OR 6 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | None |
| Tank External: | None |
| Pipe Location: | None |
| Pipe Type: | NONE |
| Pipe Internal: | None |
| Pipe External: | None |
| Second Containment: | None |

**RESIDENTS (Continued)** **U000398536**

| | |
|---|---|
| Leak Detection: | None |
| Overfill Prot: | Product Level Gauge |
| Dispenser: | Suction |
| Date Tested: | Not reported |
| Next Test Date: | Not reported |
| Missing Data for Tank: | No Missing Data |
| Date Closed: | Not reported |
| Test Method: | Not reported |
| Deleted: | False |
| Updated: | True |
| Lat/long: | Not reported |

AST:

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-195464 |
| Program Type: | PBS |
| UTM X: | 592338.25121000002 |
| UTM Y: | 4523503.3627800001 |
| Expiration Date: | 07/07/2012 |
| Site Type: | Apartment Building/Office Building |

Affiliation Records:

| | |
|---|---|
| Site Id: | 6321 |
| Affiliation Type: | Facility Owner |
| Company Name: | 1071 HOME CORP |
| Contact Type: | Not reported |
| Contact Name: | Not reported |
| Address1: | P.O. BOX 590 |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10463 |
| Country Code: | 001 |
| Phone: | (718) 796-3200 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 10/10/2007 |

| | |
|---|---|
| Site Id: | 6321 |
| Affiliation Type: | Mail Contact |
| Company Name: | 1071 HOME CORP |
| Contact Type: | Not reported |
| Contact Name: | JOSH NEUSTEIN, PRESIDENT |
| Address1: | PO BOX 590 |
| Address2: | Not reported |
| City: | BRONX |
| State: | NY |
| Zip Code: | 10463 |
| Country Code: | 001 |
| Phone: | (718) 796-3200 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

**RESIDENTS (Continued)** **U000398536**

| | |
|---|---|
| Site Id: | 6321 |
| Affiliation Type: | On-Site Operator |
| Company Name: | RESIDENTS |
| Contact Type: | Not reported |
| Contact Name: | LUIS ABRAMSON |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (414) 607-6005 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | KAKYER |
| Date Last Modified: | 8/16/2007 |

| | |
|---|---|
| Site Id: | 6321 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 1071 HOME CORP |
| Contact Type: | Not reported |
| Contact Name: | JOSH NEUSTEIN |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (718) 796-3200 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

Tank Info:

| | |
|---|---|
| Tank Number: | 126 |
| Tank Id: | 10890 |
| Material Code: | 0002 |
| Common Name of Substance: | #4 Fuel Oil (On-Site Consumption) |

Equipment Records:

I05 - Overfill - Vent Whistle
F00 - Pipe External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
G02 - Tank Secondary Containment - Vault (w/access)
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
C01 - Pipe Location - Aboveground
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |

**RESIDENTS (Continued)** **U000398536**

| | |
|---|---|
| Tank Status: | Temporarily Out of Service |
| Pipe Model: | Not reported |
| Install Date: | 04/25/2007 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | 00 |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Date Tank Closed: | Not reported |
| Register: | True |
| Modified By: | LXZIELIN |
| Last Modified: | 02/10/2014 |
| Material Name: | #4 Fuel Oil (On-Site Consumption) |

---

**AH208** **DYCKMAN HOUSES** **NY LTANKS** **S102671658**
**West** **3790 10TH AVENUE** **N/A**
**1/4-1/2** **MANHATTAN, NY**
**0.483 mi.**
**2549 ft.** **Site 3 of 4 in cluster AH**

**Relative:**
**Lower**

**Actual:**
**15 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 116046 |
| Spill Number/Closed Date: | 9013033 / 11/17/1994 |
| Spill Date: | 3/21/1991 |
| Spill Cause: | Tank Overfill |
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | 11/17/1994 |
| Cleanup Meets Standard: | True |
| SWIS: | 3101 |
| Investigator: | HEALY |
| Referred To: | Not reported |
| Reported to Dept: | 3/21/1991 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Fire Department |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 4/2/1991 |
| Spill Record Last Update: | 11/17/1994 |
| Spiller Name: | Not reported |
| Spiller Company: | NYCHA |
| Spiller Address: | 250 BROADWAY |
| Spiller City,St,Zip: | NEW YORK, NY |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 101014 |
| DEC Memo: | Not reported |
| Remarks: | OIL WAS SPILLED FROM AN OVERFILLED OIL TANK. |

Material:

| | |
|---|---|
| Site ID: | 116046 |

**DYCKMAN HOUSES (Continued)** **S102671658**

| | |
|---|---|
| Operable Unit ID: | 950277 |
| Operable Unit: | 01 |
| Material ID: | 425935 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 100 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 116046 |
| Spill Tank Test: | 1538355 |
| Tank Number: | Not reported |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |

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**209**
**ESE**
**1/4-1/2**
**0.487 mi.**
**2570 ft.**

**2315 WALTON AVE.**
**2315 WALTON AVE.**
**BRONX, NY**

**NY LTANKS** **S102671966**
**N/A**

**Relative:**
**Higher**

**Actual:**
**122 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 139565 |
| Spill Number/Closed Date: | 9208475 / 10/23/1992 |
| Spill Date: | 10/22/1992 |
| Spill Cause: | Tank Overfill |
| Spill Source: | Tank Truck |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | 10/23/1992 |
| Cleanup Meets Standard: | True |
| SWIS: | 0301 |
| Investigator: | KSTANG |
| Referred To: | Not reported |
| Reported to Dept: | 10/22/1992 |
| CID: | Not reported |
| Water Affected: | Not reported |
| Spill Notifier: | Other |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 10/23/1992 |
| Spill Record Last Update: | 10/23/1992 |
| Spiller Name: | Not reported |
| Spiller Company: | Not reported |

**2315 WALTON AVE. (Continued)** **S102671966**

| | |
|---|---|
| Spiller Address: | Not reported |
| Spiller City,St,Zip: | ***Update***, ZZ |
| Spiller County: | 001 |
| Spiller Contact: | Not reported |
| Spiller Phone: | Not reported |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 119236 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG" |
| Remarks: | DEFECTIVE GAGE-CAME OUT VENT AND CONTAINED ON CONCRETE- MYSTIC PERSONNEL COMPLETED CLEANUP. |

Material:

| | |
|---|---|
| Site ID: | 139565 |
| Operable Unit ID: | 972008 |
| Operable Unit: | 01 |
| Material ID: | 405569 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 15 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

---

**210 ENE 1/4-1/2 0.490 mi. 2588 ft.** | **2521 GRAND AVE BRONX, NY** | **NY LTANKS** | **S105996775 N/A**

**Relative: Higher**

**Actual: 129 ft.**

LTANKS:

| | |
|---|---|
| Site ID: | 109893 |
| Spill Number/Closed Date: | 0206278 / 12/27/2002 |
| Spill Date: | 9/17/2002 |
| Spill Cause: | Tank Overfill |
| Spill Source: | Commercial Vehicle |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | TJDEMEO |
| Referred To: | Not reported |
| Reported to Dept: | 9/17/2002 |
| CID: | 196 |
| Water Affected: | Not reported |
| Spill Notifier: | Responsible Party |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |

**2521 (Continued)** **S105996775**

Remediation Phase: 0
Date Entered In Computer: 9/17/2002
Spill Record Last Update: 12/27/2002
Spiller Name: ROSE GUIDO
Spiller Company: PETRO OIL
Spiller Address: 5560 58TH ST
Spiller City,St,Zip: MASPETH, NY -
Spiller County: 001
Spiller Contact: ROSE GUIDO
Spiller Phone: (718) 628-3349
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 96354
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"9/17/02 TJDOverfill caused spill. Petro satates toatal of 3 gallons spilled from vent pipe. All impacts are outside residence. Left message for property owner to call back.Property owner:Hop & Hung Lam(718)562 36799/20/02 TJDSite inspected by Demeo. 10 x 15 foot area in front yard was impacted by spill. Contaminated soils were removed by Milro. Demeo spoke with Paul Basso 9/18 and required endpoint samples as spill volume is estimated at approximately 20 gallons. At time of inspection soils had been removed and area was backfilled and reseeded. Awaiting analytical results.12/27/02 TJDClosure report from Milro reviewed. Endpoint samples below TAGM.Spill closed.
Remarks: appears to be an overfill from the vent pipe. cleanup in progressby petro.

Material:
Site ID: 109893
Operable Unit ID: 857761
Operable Unit: 01
Material ID: 516893
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 3
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

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**AH211** **518 WEST 204TH ST** **NY LTANKS** **S109064297**
**West** **518 WEST 204TH** **N/A**
**1/4-1/2** **NEW YORK, NY**
**0.490 mi.**
**2589 ft.** **Site 4 of 4 in cluster AH**

**Relative:**
**Lower**

**Actual:**
**18 ft.**

LTANKS:
Site ID: 396991
Spill Number/Closed Date: 0801121 / 8/6/2012
Spill Date: 4/28/2008
Spill Cause: Tank Test Failure

**518 WEST 204TH ST (Continued)** **S109064297**

| | |
|---|---|
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not reported |
| Cleanup Meets Standard: | False |
| SWIS: | 3101 |
| Investigator: | bkfalvey |
| Referred To: | Not reported |
| Reported to Dept: | 4/28/2008 |
| CID: | 444 |
| Water Affected: | Not reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 4/28/2008 |
| Spill Record Last Update: | 8/6/2012 |
| Spiller Name: | CARMEN SANTIAGO |
| Spiller Company: | Not reported |
| Spiller Address: | 518 WEST 204TH |
| Spiller City,St,Zip: | NEW YORK, NY |
| Spiller County: | 001 |
| Spiller Contact: | CARMEN SANTIAGO |
| Spiller Phone: | (646) 673-6714 |
| Spiller Extention: | Not reported |
| DEC Region: | 2 |
| DER Facility ID: | 346448 |
| DEC Memo: | 5/2/08 sent ttf letter to:Carmen SantiagoThe Dermot Company1775 Broadway, Suite 510New york, NY 10019Letter from True Blue Environmental dated Aug 13, 2008 says this site is "Very Bad" see eDocs.11/3/08 Recieved letter on 10/27/08 from Robert Urban of Pro Test. Tank failed with a dry leak. Cut in top of tank was repaired. Tank passed test on 8/29/08. Letter did not address contamination found (if any). Sent request for contamination discussion in tt return letter that was sent today to:91 Post LLCAccord Realty Rervices, Inc.55 West 45th Street, 7th FloorNew York, NY 10036 Letter also need clarification on gw determination and tank is registered as AST, but is UST. Information correction application included. bf8/6/12 Received call from E. Underwood of Dermot Company. He wanted any available info on the spill case since he was not with Dermot at the time of the incident. Carmen Santiago is no longer with the comnpany. I emailed the May 2008 ttf letter to: eunderwood@dermotcompany.com. Sent him a second e-mail attached with the letter from ProTest regarding the repairs which does not address the contamination found (if any). bf8/6/12 received e-mail with attached letter from ProTest regarding petroleum contamination. None found. NFA. bf |
| Remarks: | DRY LEAK |

Material:

| | |
|---|---|
| Site ID: | 396991 |
| Operable Unit ID: | 1153955 |
| Operable Unit: | 01 |
| Material ID: | 2144736 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |

**518 WEST 204TH ST (Continued)** **S109064297**

| | |
|---|---|
| Case No.: | Not reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not reported |
| Oxygenate: | False |

Tank Test:

| | |
|---|---|
| Site ID: | 396991 |
| Spill Tank Test: | 2453609 |
| Tank Number: | Not reported |
| Tank Size: | 4000 |
| Test Method: | 03 |
| Leak Rate: | 0 |
| Gross Fail: | Not reported |
| Modified By: | Watchdog |
| Last Modified: | 4/28/2008 |
| Test Method: | Horner EZ Check I or II |

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**AI212** **2614 KINGSBRIDGE CORP** **NY SHWS** **U001836650**
**NE** **2614 UNIVERSITY AV** **NY UST** **N/A**
**1/2-1** **BRONX, NY 10468** **NY ENG CONTROLS**
**0.544 mi.** **NY INST CONTROL**
**2872 ft.** **Site 1 of 2 in cluster AI** **NY VCP**

**Relative:**
**Higher**

**Actual:**
**137 ft.**

SHWS:

| | |
|---|---|
| Program: | HW |
| Site Code: | 58158 |
| Classification: | N |
| Region: | 2 |
| Acres: | Not reported |
| HW Code: | 203006 |
| Record Add: | 11/18/1999 |
| Record Upd: | 01/14/2013 |
| Updated By: | RJCOZZY |
| Site Description: | See site V00181 |
| Env Problem: | Not reported |
| Health Problem: | Not reported |
| Dump: | Not reported |
| Structure: | Not reported |
| Lagoon: | Not reported |
| Landfill: | Not reported |
| Pond: | Not reported |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | Not reported |
| Record Upd: | Not reported |
| Updated By: | Not reported |
| Own Op: | Not reported |
| Sub Type: | Not reported |
| Owner Name: | Not reported |
| Owner Company: | Not reported |
| Owner Address: | Not reported |

**2614 KINGSBRIDGE CORP (Continued)** **U001836650**

Owner Addr2: Not reported
Owner City,St,Zip: Not reported
Owner Country: Not reported
HW Code: Not reported
Waste Type: Not reported
Waste Quantity: Not reported
Waste Code: Not reported
Crossref ID: Not reported
Cross Ref Type Code: Not reported
Cross Ref Type: Not reported
Record Added Date: Not reported
Record Updated: Not reported
Updated By: Not reported

UST:
Id/Status: 2-290815 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: 08/24/1997
UTM X: 592545.90373000002
UTM Y: 4524596.86185
Site Type: Retail Gasoline Sales

Affiliation Records:
Site Id: 13159
Affiliation Type: Facility Owner
Company Name: 2614 KINGSBRIDGE CORP
Contact Type: Not reported
Contact Name: Not reported
Address1: 2614 UNIVERSITY AV
Address2: Not reported
City: BRONX
State: NY
Zip Code: 10468
Country Code: 001
Phone: (212) 295-0181
EMail: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 12/14/2004

Site Id: 13159
Affiliation Type: Mail Contact
Company Name: 2614 KINGSBRIDGE CORP
Contact Type: Not reported
Contact Name: Not reported
Address1: 2614 UNIVERSITY AV
Address2: Not reported
City: BRONX
State: NY
Zip Code: 10468
Country Code: 001
Phone: (212) 295-0181
EMail: Not reported
Fax Number: Not reported
Modified By: CGFREEDM

**2614 KINGSBRIDGE CORP (Continued)** **U001836650**

| | |
|---|---|
| Date Last Modified: | 12/14/2004 |

| | |
|---|---|
| Site Id: | 13159 |
| Affiliation Type: | On-Site Operator |
| Company Name: | 2614 KINGSBRIDGE CORP |
| Contact Type: | Not reported |
| Contact Name: | FRANK LIPARI |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (212) 295-0181 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 13159 |
| Affiliation Type: | Emergency Contact |
| Company Name: | 2614 KINGSBRIDGE CORP |
| Contact Type: | Not reported |
| Contact Name: | FRANK LIPARI |
| Address1: | Not reported |
| Address2: | Not reported |
| City: | Not reported |
| State: | NN |
| Zip Code: | Not reported |
| Country Code: | 001 |
| Phone: | (212) 295-0181 |
| EMail: | Not reported |
| Fax Number: | Not reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

Tank Info:

| | |
|---|---|
| Tank Number: | 001 |
| Tank ID: | 19013 |
| Tank Status: | Closed - In Place |
| Material Name: | Closed - In Place |
| Capacity Gallons: | 550 |
| Install Date: | 12/01/1965 |
| Date Tank Closed: | 11/01/1994 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |

| | |
|---|---|
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

**2614 KINGSBRIDGE CORP (Continued)** **U001836650**

Equipment Records:

B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G03 - Tank Secondary Containment - Vault (w/o access)
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Number: | 002 |
| Tank ID: | 19014 |
| Tank Status: | Closed - In Place |
| Material Name: | Closed - In Place |
| Capacity Gallons: | 550 |
| Install Date: | 12/01/1965 |
| Date Tank Closed: | 11/01/1994 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |
| Tightness Test Method: | NN |
| Date Test: | Not reported |
| Next Test Date: | Not reported |
| Pipe Model: | Not reported |
| Modified By: | TRANSLAT |
| Last Modified: | 03/04/2004 |

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Number: | 003 |
| Tank ID: | 19015 |
| Tank Status: | Closed - In Place |
| Material Name: | Closed - In Place |
| Capacity Gallons: | 550 |
| Install Date: | 12/01/1965 |
| Date Tank Closed: | 11/01/1994 |
| Registered: | True |
| Tank Location: | Underground |
| Tank Type: | Steel/carbon steel |
| Material Code: | 0009 |
| Common Name of Substance: | Gasoline |

**2614 KINGSBRIDGE CORP (Continued)** **U001836650**

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
H00 - Tank Leak Detection - None

ENG CONTROLS:

Site Code: 57987
HW Code: V00181
Control Code: 13
Control Type: ENG
Date Record Added: 08/05/2008
Date Rec Updated: 06/25/2014
Updated By: SMMARTIN
Site Description: Location: The site encompasses about 0.5 acres and is located at 2614 and 2620 University Avenue, Bronx County, Block 3215, Lot 11 and Lot 14. Site Features: The new building (a home and hospital for the aged) has been constructed and consists of seven floors with 50 residential units of affordable housing for seniors. Current Zoning/Use: The site is located in an urban area in Bronx County. Surrounding uses include residential and commercial. Historical Use: The 2614 Kingsbridge Corporation had operated a parking garage at the site since it purchased the property in 1973. Historical information indicated that there were three 550-gallon gasoline underground storage tanks USTs located beneath the garage. Phase II investigation identified petroleum impacts to the soil and groundwater. Additional sampling identified a release of tetrachloroethene (PCE) believed to be from a former dry cleaner offsite at 2628 University Ave. and a gasoline release from the former underground storage tanks at 2614 University Avenue.Site Geology and Hydrogeology:The site is underlain by a thin veneer (less than 6-inches to 8-feet) of low permeability, unconsolidated overburden on top of dense crystalline bedrock. The overburden is primarily silt and clay (weathered bedrock) with pockets of fill and thin lenses of native fine sandand rock fragments. Groundwater is not present at all locations in the overburden. Groundwater has been measured to flow from University Avenue southeasterly toward Aqueduct Avenue at a gradient of approximately 0.03 ft/ft.
Env Problem: Nature and Extent of Contamination:Prior to Remediation - Contaminants of concern at the site included chlorinated volatile organic compounds (cVOCs) consisting of cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene, as well as non-chlorinated petroleum VOCs such as benzene, ethyl-benzene, toluene, and xylene (BTEX). Impacted media included soil, soil gas, and groundwater. As a result of the remediation implemented at the site, concentrations of

**2614 KINGSBRIDGE CORP (Continued)** **U001836650**

the contaminants of concern declined substantially. Post Remediation - The remedial measures commenced in 2000 and involved excavation and removal of the USTs and contaminated soils; installation and operation of a Soil Vapor Extraction (SVE) system to address any residual contamination; a Sub-slab Depressurization System (SSDS) beneath the new building; and groundwater monitoring to assess the effectiveness of these remedial actions. A total of 3,070 tons of contaminated soil was removed and disposed off-site. The SVE system operated continuously for two years. The semi-annual groundwater monitoring program was implemented in June 2001, following completion of the remedy. Engineering and Institutional Controls (ECs/ICs), including a Site Management Plan and deed restrictions, are in-place. Engineering controls consist of a composite cover system, vapor barrier and active sub-slab depressurization system. The remediation was completed in April 2007 with the approval of the Site Management Plan and issuance of the VCA Release letter.

Health Problem: Volatile organic compounds are present in the groundwater at this site, however, exposure via ingestion is not expected as the area is served by public water. The potential for soil vapor intrusion in the on-site building has been mitigated by the installation and operation of a sub-slab depressurization system under the building.

Site Code: 57987
HW Code: V00181
Control Code: 15
Control Type: ENG
Date Record Added: 08/05/2008
Date Rec Updated: 06/25/2014
Updated By: SMMARTIN
Site Description: Location: The site encompasses about 0.5 acres and is located at 2614 and 2620 University Avenue, Bronx County, Block 3215, Lot 11 and Lot 14. Site Features: The new building (a home and hospital for the aged) has been constructed and consists of seven floors with 50 residential units of affordable housing for seniors. Current Zoning/Use: The site is located in an urban area in Bronx County. Surrounding uses include residential and commercial. Historical Use: The 2614 Kingsbridge Corporation had operated a parking garage at the site since it purchased the property in 1973. Historical information indicated that there were three 550-gallon gasoline underground storage tanks USTs located beneath the garage. Phase II investigation identified petroleum impacts to the soil and groundwater. Additional sampling identified a release of tetrachloroethene (PCE) believed to be from a former dry cleaner offsite at 2628 University Ave. and a gasoline release from the former underground storage tanks at 2614 University Avenue.Site Geology and Hydrogeology:The site is underlain by a thin veneer (less than 6-inches to 8-feet) of low permeability, unconsolidated overburden on top of dense crystalline bedrock. The overburden is primarily silt and clay (weathered bedrock) with pockets of fill and thin lenses of native fine sandand rock fragments. Groundwater is not present at all locations in the overburden. Groundwater has been measured to flow from University Avenue southeasterly toward Aqueduct Avenue at a gradient of approximately 0.03 ft/ft.

Env Problem: Nature and Extent of Contamination:Prior to Remediation - Contaminants of concern at the site included chlorinated volatile organic compounds (cVOCs) consisting of cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene, as well as non-chlorinated

**2614 KINGSBRIDGE CORP (Continued)** **U001836650**

petroleum VOCs such as benzene, ethyl-benzene, toluene, and xylene (BTEX). Impacted media included soil, soil gas, and groundwater. As a result of the remediation implemented at the site, concentrations of the contaminants of concern declined substantially. Post Remediation - The remedial measures commenced in 2000 and involved excavation and removal of the USTs and contaminated soils; installation and operation of a Soil Vapor Extraction (SVE) system to address any residual contamination; a Sub-slab Depressurization System (SSDS) beneath the new building; and groundwater monitoring to assess the effectiveness of these remedial actions. A total of 3,070 tons of contaminated soil was removed and disposed off-site. The SVE system operated continuously for two years. The semi-annual groundwater monitoring program was implemented in June 2001, following completion of the remedy. Engineering and Institutional Controls (ECs/ICs), including a Site Management Plan and deed restrictions, are in-place. Engineering controls consist of a composite cover system, vapor barrier and active sub-slab depressurization system. The remediation was completed in April 2007 with the approval of the Site Management Plan and issuance of the VCA Release letter.

Health Problem: Volatile organic compounds are present in the groundwater at this site, however, exposure via ingestion is not expected as the area is served by public water. The potential for soil vapor intrusion in the on-site building has been mitigated by the installation and operation of a sub-slab depressurization system under the building.

INST CONTROL:

Site Code: 57987
Control Name: Deed Restriction
HW Code: V00181
Control Code: A
Control Type: INST
Dt record added: 08/05/2008
Dt rec updated: 06/25/2014
Updated By: SMMARTIN
Site Code: 57987
Site Description: Location: The site encompasses about 0.5 acres and is located at 2614 and 2620 University Avenue, Bronx County, Block 3215, Lot 11 and Lot 14. Site Features: The new building (a home and hospital for the aged) has been constructed and consists of seven floors with 50 residential units of affordable housing for seniors. Current Zoning/Use: The site is located in an urban area in Bronx County. Surrounding uses include residential and commercial. Historical Use: The 2614 Kingsbridge Corporation had operated a parking garage at the site since it purchased the property in 1973. Historical information indicated that there were three 550-gallon gasoline underground storage tanks USTs located beneath the garage. Phase II investigation identified petroleum impacts to the soil and groundwater. Additional sampling identified a release of tetrachloroethene (PCE) believed to be from a former dry cleaner offsite at 2628 University Ave. and a gasoline release from the former underground storage tanks at 2614 University Avenue.Site Geology and Hydrogeology:The site is underlain by a thin veneer (less than 6-inches to 8-feet) of low permeability, unconsolidated overburden on top of dense crystalline bedrock. The overburden is primarily silt and clay (weathered bedrock) with pockets of fill and thin lenses of native fine sandand rock fragments. Groundwater is not present at all locations in the overburden. Groundwater has been measured to flow from University

**2614 KINGSBRIDGE CORP (Continued)** **U001836650**

Avenue southeasterly toward Aqueduct Avenue at a gradient of approximately 0.03 ft/ft.

Env Problem: Nature and Extent of Contamination:Prior to Remediation - Contaminants of concern at the site included chlorinated volatile organic compounds (cVOCs) consisting of cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene, as well as non-chlorinated petroleum VOCs such as benzene, ethyl-benzene, toluene, and xylene (BTEX). Impacted media included soil, soil gas, and groundwater. As a result of the remediation implemented at the site, concentrations of the contaminants of concern declined substantially. Post Remediation - The remedial measures commenced in 2000 and involved excavation and removal of the USTs and contaminated soils; installation and operation of a Soil Vapor Extraction (SVE) system to address any residual contamination; a Sub-slab Depressurization System (SSDS) beneath the new building; and groundwater monitoring to assess the effectiveness of these remedial actions. A total of 3,070 tons of contaminated soil was removed and disposed off-site. The SVE system operated continuously for two years. The semi-annual groundwater monitoring program was implemented in June 2001, following completion of the remedy. Engineering and Institutional Controls (ECs/ICs), including a Site Management Plan and deed restrictions, are in-place. Engineering controls consist of a composite cover system, vapor barrier and active sub-slab depressurization system. The remediation was completed in April 2007 with the approval of the Site Management Plan and issuance of the VCA Release letter.

Health Problem: Volatile organic compounds are present in the groundwater at this site, however, exposure via ingestion is not expected as the area is served by public water. The potential for soil vapor intrusion in the on-site building has been mitigated by the installation and operation of a sub-slab depressurization system under the building.

Site Code: 57987
Control Name: Soil Management Plan
HW Code: V00181
Control Code: 14
Control Type: INST
Dt record added: 08/05/2008
Dt rec updated: 06/25/2014
Updated By: SMMARTIN
Site Code: 57987
Site Description: Location: The site encompasses about 0.5 acres and is located at 2614 and 2620 University Avenue, Bronx County, Block 3215, Lot 11 and Lot 14. Site Features: The new building (a home and hospital for the aged) has been constructed and consists of seven floors with 50 residential units of affordable housing for seniors. Current Zoning/Use: The site is located in an urban area in Bronx County. Surrounding uses include residential and commercial. Historical Use: The 2614 Kingsbridge Corporation had operated a parking garage at the site since it purchased the property in 1973. Historical information indicated that there were three 550-gallon gasoline underground storage tanks USTs located beneath the garage. Phase II investigation identified petroleum impacts to the soil and groundwater. Additional sampling identified a release of tetrachloroethene (PCE) believed to be from a former dry cleaner offsite at 2628 University Ave. and a gasoline release from the former underground storage tanks at 2614 University Avenue.Site Geology and Hydrogeology:The site is underlain by a thin veneer (less than 6-inches to 8-feet) of low permeability,

**2614 KINGSBRIDGE CORP (Continued)** **U001836650**

unconsolidated overburden on top of dense crystalline bedrock. The overburden is primarily silt and clay (weathered bedrock) with pockets of fill and thin lenses of native fine sandand rock fragments. Groundwater is not present at all locations in the overburden. Groundwater has been measured to flow from University Avenue southeasterly toward Aqueduct Avenue at a gradient of approximately 0.03 ft/ft.

Env Problem: Nature and Extent of Contamination:Prior to Remediation - Contaminants of concern at the site included chlorinated volatile organic compounds (cVOCs) consisting of cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene, as well as non-chlorinated petroleum VOCs such as benzene, ethyl-benzene, toluene, and xylene (BTEX). Impacted media included soil, soil gas, and groundwater. As a result of the remediation implemented at the site, concentrations of the contaminants of concern declined substantially. Post Remediation - The remedial measures commenced in 2000 and involved excavation and removal of the USTs and contaminated soils; installation and operation of a Soil Vapor Extraction (SVE) system to address any residual contamination; a Sub-slab Depressurization System (SSDS) beneath the new building; and groundwater monitoring to assess the effectiveness of these remedial actions. A total of 3,070 tons of contaminated soil was removed and disposed off-site. The SVE system operated continuously for two years. The semi-annual groundwater monitoring program was implemented in June 2001, following completion of the remedy. Engineering and Institutional Controls (ECs/ICs), including a Site Management Plan and deed restrictions, are in-place. Engineering controls consist of a composite cover system, vapor barrier and active sub-slab depressurization system. The remediation was completed in April 2007 with the approval of the Site Management Plan and issuance of the VCA Release letter.

Health Problem: Volatile organic compounds are present in the groundwater at this site, however, exposure via ingestion is not expected as the area is served by public water. The potential for soil vapor intrusion in the on-site building has been mitigated by the installation and operation of a sub-slab depressurization system under the building.

Site Code: 57987
Control Name: Ground Water Use Restriction
HW Code: V00181
Control Code: 08
Control Type: INST
Dt record added: 08/05/2008
Dt rec updated: 06/25/2014
Updated By: SMMARTIN
Site Code: 57987
Site Description: Location: The site encompasses about 0.5 acres and is located at 2614 and 2620 University Avenue, Bronx County, Block 3215, Lot 11 and Lot 14. Site Features: The new building (a home and hospital for the aged) has been constructed and consists of seven floors with 50 residential units of affordable housing for seniors. Current Zoning/Use: The site is located in an urban area in Bronx County. Surrounding uses include residential and commercial. Historical Use: The 2614 Kingsbridge Corporation had operated a parking garage at the site since it purchased the property in 1973. Historical information indicated that there were three 550-gallon gasoline underground storage tanks USTs located beneath the garage. Phase II investigation identified petroleum impacts to the soil and groundwater. Additional

**2614 KINGSBRIDGE CORP (Continued)** **U001836650**

sampling identified a release of tetrachloroethene (PCE) believed to be from a former dry cleaner offsite at 2628 University Ave. and a gasoline release from the former underground storage tanks at 2614 University Avenue.Site Geology and Hydrogeology:The site is underlain by a thin veneer (less than 6-inches to 8-feet) of low permeability, unconsolidated overburden on top of dense crystalline bedrock. The overburden is primarily silt and clay (weathered bedrock) with pockets of fill and thin lenses of native fine sandand rock fragments. Groundwater is not present at all locations in the overburden. Groundwater has been measured to flow from University Avenue southeasterly toward Aqueduct Avenue at a gradient of approximately 0.03 ft/ft.

Env Problem: Nature and Extent of Contamination:Prior to Remediation - Contaminants of concern at the site included chlorinated volatile organic compounds (cVOCs) consisting of cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene, as well as non-chlorinated petroleum VOCs such as benzene, ethyl-benzene, toluene, and xylene (BTEX). Impacted media included soil, soil gas, and groundwater. As a result of the remediation implemented at the site, concentrations of the contaminants of concern declined substantially. Post Remediation - The remedial measures commenced in 2000 and involved excavation and removal of the USTs and contaminated soils; installation and operation of a Soil Vapor Extraction (SVE) system to address any residual contamination; a Sub-slab Depressurization System (SSDS) beneath the new building; and groundwater monitoring to assess the effectiveness of these remedial actions. A total of 3,070 tons of contaminated soil was removed and disposed off-site. The SVE system operated continuously for two years. The semi-annual groundwater monitoring program was implemented in June 2001, following completion of the remedy. Engineering and Institutional Controls (ECs/ICs), including a Site Management Plan and deed restrictions, are in-place. Engineering controls consist of a composite cover system, vapor barrier and active sub-slab depressurization system. The remediation was completed in April 2007 with the approval of the Site Management Plan and issuance of the VCA Release letter.

Health Problem: Volatile organic compounds are present in the groundwater at this site, however, exposure via ingestion is not expected as the area is served by public water. The potential for soil vapor intrusion in the on-site building has been mitigated by the installation and operation of a sub-slab depressurization system under the building.

Site Code: 57987
Control Name: Landuse Restriction
HW Code: V00181
Control Code: 25
Control Type: INST
Dt record added: 08/05/2008
Dt rec updated: 06/25/2014
Updated By: SMMARTIN
Site Code: 57987
Site Description: Location: The site encompasses about 0.5 acres and is located at 2614 and 2620 University Avenue, Bronx County, Block 3215, Lot 11 and Lot 14. Site Features: The new building (a home and hospital for the aged) has been constructed and consists of seven floors with 50 residential units of affordable housing for seniors. Current Zoning/Use: The site is located in an urban area in Bronx County. Surrounding uses include residential and commercial. Historical Use:

**2614 KINGSBRIDGE CORP (Continued)** **U001836650**

The 2614 Kingsbridge Corporation had operated a parking garage at the site since it purchased the property in 1973. Historical information indicated that there were three 550-gallon gasoline underground storage tanks USTs located beneath the garage. Phase II investigation identified petroleum impacts to the soil and groundwater. Additional sampling identified a release of tetrachloroethene (PCE) believed to be from a former dry cleaner offsite at 2628 University Ave. and a gasoline release from the former underground storage tanks at 2614 University Avenue.Site Geology and Hydrogeology:The site is underlain by a thin veneer (less than 6-inches to 8-feet) of low permeability, unconsolidated overburden on top of dense crystalline bedrock. The overburden is primarily silt and clay (weathered bedrock) with pockets of fill and thin lenses of native fine sandand rock fragments. Groundwater is not present at all locations in the overburden. Groundwater has been measured to flow from University Avenue southeasterly toward Aqueduct Avenue at a gradient of approximately 0.03 ft/ft.

Env Problem: Nature and Extent of Contamination:Prior to Remediation - Contaminants of concern at the site included chlorinated volatile organic compounds (cVOCs) consisting of cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene, as well as non-chlorinated petroleum VOCs such as benzene, ethyl-benzene, toluene, and xylene (BTEX). Impacted media included soil, soil gas, and groundwater. As a result of the remediation implemented at the site, concentrations of the contaminants of concern declined substantially. Post Remediation - The remedial measures commenced in 2000 and involved excavation and removal of the USTs and contaminated soils; installation and operation of a Soil Vapor Extraction (SVE) system to address any residual contamination; a Sub-slab Depressurization System (SSDS) beneath the new building; and groundwater monitoring to assess the effectiveness of these remedial actions. A total of 3,070 tons of contaminated soil was removed and disposed off-site. The SVE system operated continuously for two years. The semi-annual groundwater monitoring program was implemented in June 2001, following completion of the remedy. Engineering and Institutional Controls (ECs/ICs), including a Site Management Plan and deed restrictions, are in-place. Engineering controls consist of a composite cover system, vapor barrier and active sub-slab depressurization system. The remediation was completed in April 2007 with the approval of the Site Management Plan and issuance of the VCA Release letter.

Health Problem: Volatile organic compounds are present in the groundwater at this site, however, exposure via ingestion is not expected as the area is served by public water. The potential for soil vapor intrusion in the on-site building has been mitigated by the installation and operation of a sub-slab depressurization system under the building.

VCP:

| | |
|---|---|
| Program Type: | VCP |
| Site Code: | 57987 |
| HW Code: | V00181 |
| Site Class: | C |
| SWIS: | 0301 |
| Region: | 2 |
| Town: | New York City |
| Acres: | .500 |
| Date Record Added: | 11/30/2000 |
| Date Record Updated: | 05/20/2014 |

**2614 KINGSBRIDGE CORP (Continued)** **U001836650**

Updated By: JHOCONNE

Site Description: Location: The site encompasses about 0.5 acres and is located at 2614 and 2620 University Avenue, Bronx County, Block 3215, Lot 11 and Lot 14. Site Features: The new building (a home and hospital for the aged) has been constructed and consists of seven floors with 50 residential units of affordable housing for seniors. Current Zoning/Use: The site is located in an urban area in Bronx County. Surrounding uses include residential and commercial. Historical Use: The 2614 Kingsbridge Corporation had operated a parking garage at the site since it purchased the property in 1973. Historical information indicated that there were three 550-gallon gasoline underground storage tanks USTs located beneath the garage. Phase II investigation identified petroleum impacts to the soil and groundwater. Additional sampling identified a release of tetrachloroethene (PCE) believed to be from a former dry cleaner offsite at 2628 University Ave. and a gasoline release from the former underground storage tanks at 2614 University Avenue.Site Geology and Hydrogeology:The site is underlain by a thin veneer (less than 6-inches to 8-feet) of low permeability, unconsolidated overburden on top of dense crystalline bedrock. The overburden is primarily silt and clay (weathered bedrock) with pockets of fill and thin lenses of native fine sandand rock fragments. Groundwater is not present at all locations in the overburden. Groundwater has been measured to flow from University Avenue southeasterly toward Aqueduct Avenue at a gradient of approximately 0.03 ft/ft.

Env Problem: Nature and Extent of Contamination:Prior to Remediation - Contaminants of concern at the site included chlorinated volatile organic compounds (cVOCs) consisting of cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene, as well as non-chlorinated petroleum VOCs such as benzene, ethyl-benzene, toluene, and xylene (BTEX). Impacted media included soil, soil gas, and groundwater. As a result of the remediation implemented at the site, concentrations of the contaminants of concern declined substantially. Post Remediation - The remedial measures commenced in 2000 and involved excavation and removal of the USTs and contaminated soils; installation and operation of a Soil Vapor Extraction (SVE) system to address any residual contamination; a Sub-slab Depressurization System (SSDS) beneath the new building; and groundwater monitoring to assess the effectiveness of these remedial actions. A total of 3,070 tons of contaminated soil was removed and disposed off-site. The SVE system operated continuously for two years. The semi-annual groundwater monitoring program was implemented in June 2001, following completion of the remedy. Engineering and Institutional Controls (ECs/ICs), including a Site Management Plan and deed restrictions, are in-place. Engineering controls consist of a composite cover system, vapor barrier and active sub-slab depressurization system. The remediation was completed in April 2007 with the approval of the Site Management Plan and issuance of the VCA Release letter.

Health Problem: Volatile organic compounds are present in the groundwater at this site, however, exposure via ingestion is not expected as the area is served by public water. The potential for soil vapor intrusion in the on-site building has been mitigated by the installation and operation of a sub-slab depressurization system under the building.

**AI213** **2628 UNIVERSITY AVE (BLOCK 3215)** **NY SHWS** **S113916991**
**NE** **2628 UNIVERSITY AVENUE** **NY VCP** **N/A**
**1/2-1** **BRONX, NY 10468**
**0.558 mi.**
**2946 ft.** **Site 2 of 2 in cluster AI**

**Relative:**
**Higher**

**Actual:**
**137 ft.**

SHWS:

| | |
|---|---|
| Program: | HW |
| Site Code: | 57013 |
| Classification: | N |
| Region: | 2 |
| Acres: | Not reported |
| HW Code: | 203008 |
| Record Add: | 02/21/2001 |
| Record Upd: | 01/14/2013 |
| Updated By: | RJCOZZY |
| Site Description: | The site did not qualify for addition to the Registry of Inactive Hazardous Waste Sites. |
| Env Problem: | Not reported |
| Health Problem: | Not reported |
| Dump: | Not reported |
| Structure: | Not reported |
| Lagoon: | Not reported |
| Landfill: | Not reported |
| Pond: | Not reported |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | Not reported |
| Record Upd: | Not reported |
| Updated By: | Not reported |
| Own Op: | Not reported |
| Sub Type: | Not reported |
| Owner Name: | Not reported |
| Owner Company: | Not reported |
| Owner Address: | Not reported |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Not reported |
| Owner Country: | Not reported |
| HW Code: | Not reported |
| Waste Type: | Not reported |
| Waste Quantity: | Not reported |
| Waste Code: | Not reported |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | Not reported |
| Cross Ref Type: | Not reported |
| Record Added Date: | Not reported |
| Record Updated: | Not reported |
| Updated By: | Not reported |

VCP:

| | |
|---|---|
| Program Type: | VCP |
| Site Code: | 56896 |
| HW Code: | V00236 |
| Site Class: | N |
| SWIS: | 0301 |
| Region: | 2 |
| Town: | New York City |

**2628 UNIVERSITY AVE (BLOCK 3215) (Continued)** **S113916991**

Acres: Not reported
Date Record Added: 11/30/2000
Date Record Updated: 03/29/2005
Updated By: VXBREVDO
Site Description: The site is located in a commercial/residential area of the Kingsbridge Heights section of the Bronx. The property is currently occupied by a two-story brick building which contains a laundromat. The site is bordered by a convenience store and apartment building on the north, by a formerly vacant lot (now under construction for Home/Hospital for the Aged), by a parking garage to the east, and by Universtity Avenue (a.k.a Martin Luther King, Jr. Boulevard) to the west. Before its use as a laundromat the property was previously utilized by a dry cleaner for an unknown length of time.Investigations conducted immediately south of the site (at 2614-2620 University Avenue) in 1997 identified tetracholoethylene (PCE) at high levels in the soil (200 ppm) and groundwater (110,000 ppb). Based on subsequent investigations, a PCE hot spot was identified. In 2000, excavation of the hot spot area was completed. Confirmatory samples collected from the excavation showed non-detectable levels of PCE and associated breakdown products. Levels of contamination in the groundwater dropped by several orders of magnitude since 1997. The remaining groundwater contamination will be addressed under the Operations, Maintenance and Monitoring Plan.See also site no. 203008, which determined there was no source of contamination on 2628 University Ave. The site did not qualify for addition to the Registry of Inactive Hazardous Disposal Sites.
Env Problem: The operations contaminated the soil and groundwater on the adjacent property with tetracholoroethylene (PCE) and its associated breakdown products. Excavations addressed soil contamination, and most of the groundwater contamiation. The remaining groundwater contamination is being addressed under the Operations, Maintenance and Monitoring Plan.
Not reported
Health Problem: Not reported

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**214**
**SW**
**1/2-1**
**0.873 mi.**
**4610 ft.**

**NYCDGS - PUBLIC SCHOOL IS 229X**
**275 HARLEM RIVER PARK BRIDGE**
**BRONX, NY**

**RCRA-SQG** **1001119588**
**FINDS** **NYR000028761**
**NY SHWS**
**NY MANIFEST**

**Relative:**
**Lower**

**Actual:**
**16 ft.**

RCRA-SQG:
Date form received by agency: 01/01/2007
Facility name: NYCDGS - PUBLIC SCHOOL IS 229X
Facility address: 275 HARLEM RIVER PARK BRIDGE
BRONX, NY 10453
EPA ID: NYR000028761
Mailing address: HARLEM RIVER PARK BRIDGE
BRONX, NY 10453
Contact: Not reported
Contact address: HARLEM RIVER PARK BRIDGE
BRONX, NY 10453
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

**NYCDGS - PUBLIC SCHOOL IS 229X (Continued)** **1001119588**

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

| | |
|---|---|
| Owner/operator name: | NYC DEPT OF GENERAL SERVICES |
| Owner/operator address: | MUNICIIPAL BLDG 1 CENTER ST<br>NEW YORK, NY 10007 |
| Owner/operator country: | US |
| Owner/operator telephone: | (212) 669-8709 |
| Legal status: | Municipal |
| Owner/Operator Type: | Operator |
| Owner/Op start date: | 01/01/2001 |
| Owner/Op end date: | Not reported |

| | |
|---|---|
| Owner/operator name: | NYC DEPT OF GENERAL SERVICES |
| Owner/operator address: | MUNICIIPAL BLDG 1 CENTER ST<br>NEW YORK, NY 10007 |
| Owner/operator country: | US |
| Owner/operator telephone: | (212) 669-8709 |
| Legal status: | Municipal |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | 01/01/2001 |
| Owner/Op end date: | Not reported |

Handler Activities Summary:

| | |
|---|---|
| U.S. importer of hazardous waste: | No |
| Mixed waste (haz. and radioactive): | No |
| Recycler of hazardous waste: | No |
| Transporter of hazardous waste: | No |
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |
| Used oil fuel burner: | No |
| Used oil processor: | No |
| User oil refiner: | No |
| Used oil fuel marketer to burner: | No |
| Used oil Specification marketer: | No |
| Used oil transfer facility: | No |
| Used oil transporter: | No |

Historical Generators:

| | |
|---|---|
| Date form received by agency: | 01/01/2006 |
| Site name: | NYCDGS - PUBLIC SCHOOL IS 229X |
| Classification: | Small Quantity Generator |

| | |
|---|---|
| Date form received by agency: | 07/08/1999 |
| Site name: | NYCDGS - PUBLIC SCHOOL IS 229X |
| Classification: | Not a generator, verified |

| | |
|---|---|
| Date form received by agency: | 09/04/1996 |
| Site name: | NYCDGS - PUBLIC SCHOOL IS 229X |
| Classification: | Small Quantity Generator |

Violation Status: No violations found

**NYCDGS - PUBLIC SCHOOL IS 229X (Continued)** **1001119588**

FINDS:

Registry ID: 110004528093

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SHWS:

| | |
|---|---|
| Program: | HW |
| Site Code: | 57954 |
| Classification: | N |
| Region: | 2 |
| Acres: | Not reported |
| HW Code: | 203011 |
| Record Add: | 05/21/2002 |
| Record Upd: | 04/22/2005 |
| Updated By: | DMMOLOUG |
| Site Description: | The site did not qualify for addition to the Registry of Inactive Hazardous Disposal Sites |
| Env Problem: | Not reported |
| Health Problem: | Not reported |
| Dump: | Not reported |
| Structure: | Not reported |
| Lagoon: | Not reported |
| Landfill: | Not reported |
| Pond: | Not reported |
| Disp Start: | Not reported |
| Disp Term: | Not reported |
| Lat/Long: | Not reported |
| Dell: | Not reported |
| Record Add: | Not reported |
| Record Upd: | Not reported |
| Updated By: | Not reported |
| Own Op: | Not reported |
| Sub Type: | Not reported |
| Owner Name: | Not reported |
| Owner Company: | Not reported |
| Owner Address: | Not reported |
| Owner Addr2: | Not reported |
| Owner City,St,Zip: | Not reported |
| Owner Country: | Not reported |
| HW Code: | Not reported |
| Waste Type: | Not reported |
| Waste Quantity: | Not reported |
| Waste Code: | Not reported |
| Crossref ID: | Not reported |
| Cross Ref Type Code: | Not reported |
| Cross Ref Type: | Not reported |
| Record Added Date: | Not reported |
| Record Updated: | Not reported |

**NYCDGS - PUBLIC SCHOOL IS 229X (Continued)** **1001119588**

Updated By: Not reported

NY MANIFEST:
EPA ID: NYR000028761
Country: USA

Mailing Info:
Name: NYSCDGS - PUBLIC SCHOOL IS 229X
Contact: JOHN BLAKE/RANDI SMITH
Address: 123 MAIN STREET
City/State/Zip: WHITE PLAINS, NY 10601
Country: USA
Phone: 914-681-6384

Manifest:

Document ID: NYB8033472
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: PTH7945
Trans2 State ID: Not reported
Generator Ship Date: 11/07/1996
Trans1 Recv Date: 11/07/1996
Trans2 Recv Date: / /
TSD Site Recv Date: 11/09/1996
Part A Recv Date: 12/03/1996
Part B Recv Date: 01/03/1997
Generator EPA ID: NYR000028761
Trans1 EPA ID: MA5000002394
Trans2 EPA ID: Not reported
TSDF ID: AZ0000337360
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 03500
Units: P - Pounds
Number of Containers: 035
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1996

Document ID: NYG5226462
Manifest Status: Not reported
Trans1 State ID: NYD049178296
Trans2 State ID: Not reported
Generator Ship Date: 01/06/2005
Trans1 Recv Date: 01/06/2005
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/06/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000028761
Trans1 EPA ID: AD67951
Trans2 EPA ID: Not reported
TSDF ID: NYD049178296
Waste Code: F003 - UNKNOWN
Quantity: 14000
Units: P - Pounds

**NYCDGS - PUBLIC SCHOOL IS 229X (Continued)** **1001119588**

| | |
|---|---|
| Number of Containers: | 035 |
| Container Type: | TP - Tanks, portable |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 01.00 |
| Year: | 2005 |

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**215 West 1/2-1 0.963 mi. 5087 ft.**

**CON EDISON - BROADWAY/DYCKMAN ST STA. MGP**
**12 DONGAN PLACE**
**NEW YORK, NY 10040**

**EDR MGP** **1008407978**
**N/A**

**Relative: Lower**

**Actual: 40 ft.**

Manufactured Gas Plants:
No additional information available

Count: 20 records.

ORPHAN SUMMARY

| City | EDR ID | Site Name | Site Address | Zip | Database(s) |
|---|---|---|---|---|---|
| BRONX | 1004755709 | NYCDOT BRIDGES BIN 206672B | E 174TH ST RAMP SHERIDAN EXPWY | 10453 | RCRA NonGen / NLR |
| BRONX | 1004755708 | NYCDOT BRIDGES BIN 206672A | E 174TH ST RAMP SHERIDAN EXPWY | 10453 | RCRA NonGen / NLR |
| BRONX | S108763840 | DRUM RUN | RTE 95 RAMP TO 87 | | NY Spills |
| BRONX | S116156237 | QUEENS BOUND AT THE TOLL PLAZA AT | CROSS BRONX EXPSY OR ROUTE 95 | | NY Spills |
| BRONX | 1007206650 | CON ED-MH 23025 | L/S DEEGAN 1200'S/O FORDHAM RD | 10453 | RCRA NonGen / NLR, NY MANIFEST |
| BRONX | 1010488291 | NYSDOT BIN 1066220 | EDWARD L GRANT HWY CBG | | FINDS, NY MANIFEST |
| BRONX | S110540770 | TRAFFIC ACCIDENT | GRANT HWY AND W 170TH ST | | NY Spills |
| BRONX | 1000694477 | SHELL OIL CO | 1263 E L GRANT HWY | 10451 | RCRA NonGen / NLR, FINDS, NY MANIFEST, US AIRS |
| BRONX | 1001224299 | NYSDOT CONTRACT D257548 | SB MAJOR DEEGAN EXPWY & WB | 10458 | RCRA NonGen / NLR, NY MANIFEST |
| BRONX | 1000555966 | NYSDOT BIN 1067450 CONSTRACT D2531 | MAJOR DEAGAN EXPWY OVER | 10452 | RCRA NonGen / NLR, NY MANIFEST |
| BRONX | S109414309 | MILE MARKER IS POSSIBLY 2.6 THE CA | 87N OFF ROUTE 100 NORTH EXIT. | | NY Spills |
| BRONX | 1004762743 | CON ED - FEEDERS M51/M52 | SEDGWICK AVE BETW W 197TH ST | 10458 | RCRA NonGen / NLR, NY MANIFEST |
| BRONX | 1000457948 | NYSDOT CONTRACT D252935 | SEDGWICK AVE ALEXANDER HAMILTO | 10453 | RCRA NonGen / NLR, NY MANIFEST |
| BRONX | S107488594 | IFO TASK FORCE | STATE 87 EXIT - I 95 HWY | | NY Spills |
| BRONX | 1011490571 | NYSDOT BIN 1076860 | WARING AVE OVER RTE 907H NB | 10458 | RCRA-LQG |
| BRONX | 1011490569 | NYSDOT BIN 1075500 | WARING AVE OVER RTE 907H SB | 10458 | RCRA-LQG |
| KINGS BRIDGE | 1000791869 | NYCDOT - WEST 230TH STREET BRIDGE | W 230TH ST BRG CONRAIL & RAMP | 10463 | RCRA NonGen / NLR |
| NEW YORK | 1014399399 | NYSDOT BIN 222943A | RTE 907V 0.1 MI SW OF DYCKMAN | 10034 | RCRA-LQG |
| NEW YORK | 1007207306 | MH23135 | WEBB AVE AND FATHER ZEISER PLA | 10468 | RCRA NonGen / NLR, NY MANIFEST |
| NEW YORK CITY | 1007207426 | MH148MRI | E/S MAJOR DEEGAN AND E.233 ST. | 10470 | RCRA NonGen / NLR, NY MANIFEST |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

### *Federal NPL site list*

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 10/08/2014
Next Scheduled EDR Contact: 01/19/2015
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 10/08/2014
Next Scheduled EDR Contact: 01/19/2015
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

***Federal Delisted NPL site list***

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

| | |
|---|---|
| Date of Government Version: 10/25/2013 | Source: EPA |
| Date Data Arrived at EDR: 11/11/2013 | Telephone: N/A |
| Date Made Active in Reports: 01/28/2014 | Last EDR Contact: 10/08/2014 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 01/19/2015 |
| | Data Release Frequency: Quarterly |

***Federal CERCLIS list***

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

| | |
|---|---|
| Date of Government Version: 10/25/2013 | Source: EPA |
| Date Data Arrived at EDR: 11/11/2013 | Telephone: 703-412-9810 |
| Date Made Active in Reports: 02/13/2014 | Last EDR Contact: 08/28/2014 |
| Number of Days to Update: 94 | Next Scheduled EDR Contact: 12/08/2014 |
| | Data Release Frequency: Quarterly |

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

| | |
|---|---|
| Date of Government Version: 07/21/2014 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 10/07/2014 | Telephone: 703-603-8704 |
| Date Made Active in Reports: 10/20/2014 | Last EDR Contact: 10/07/2014 |
| Number of Days to Update: 13 | Next Scheduled EDR Contact: 01/19/2015 |
| | Data Release Frequency: Varies |

***Federal CERCLIS NFRAP site List***

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

| | |
|---|---|
| Date of Government Version: 10/25/2013 | Source: EPA |
| Date Data Arrived at EDR: 11/11/2013 | Telephone: 703-412-9810 |
| Date Made Active in Reports: 02/13/2014 | Last EDR Contact: 08/28/2014 |
| Number of Days to Update: 94 | Next Scheduled EDR Contact: 12/08/2014 |
| | Data Release Frequency: Quarterly |

***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/01/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Quarterly

***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 10/01/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Quarterly

***Federal RCRA generators list***

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 10/01/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 10/01/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 10/01/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Varies

***Federal institutional controls / engineering controls registries***

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/18/2014
Date Data Arrived at EDR: 09/19/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/18/2014
Date Data Arrived at EDR: 09/19/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/29/2014
Date Data Arrived at EDR: 10/09/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 11

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/14/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Varies

***Federal ERNS list***

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/30/2013
Date Data Arrived at EDR: 10/01/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 66

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/30/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Annually

***State- and tribal - equivalent CERCLIS***

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 07/16/2014
Date Data Arrived at EDR: 07/17/2014
Date Made Active in Reports: 08/14/2014
Number of Days to Update: 28

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 09/25/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Annually

VAPOR REOPENED: Vapor Intrustion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 05/22/2014
Date Made Active in Reports: 06/13/2014
Number of Days to Update: 22

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 08/22/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Varies

***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 07/08/2014
Date Data Arrived at EDR: 07/10/2014
Date Made Active in Reports: 08/14/2014
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 10/06/2014
Next Scheduled EDR Contact: 01/19/2015
Data Release Frequency: Semi-Annually

***State and tribal leaking storage tank lists***

LTANKS: Spills Information Database

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/22/2014
Date Made Active in Reports: 06/11/2014
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 08/19/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 08/04/2014
Date Data Arrived at EDR: 08/05/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 17

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/01/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/20/2014
Date Data Arrived at EDR: 06/10/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 73

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/13/2014
Date Data Arrived at EDR: 08/15/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 7

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 05/22/2014
Date Data Arrived at EDR: 08/22/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 27

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 07/30/2014
Date Data Arrived at EDR: 08/12/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/22/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/14/2014
Date Data Arrived at EDR: 05/15/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 61

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/20/2014
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

***State and tribal registered storage tank lists***

TANKS: Storage Tank Faciliy Listing

This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 08/14/2014
Number of Days to Update: 43

Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 10/01/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Quarterly

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 08/21/2014
Number of Days to Update: 50

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/01/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 08/21/2014
Number of Days to Update: 50

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/01/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 08/21/2014
Number of Days to Update: 50

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/01/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Quarterly

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 08/21/2014
Number of Days to Update: 50

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/01/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/14/2014
Date Data Arrived at EDR: 08/15/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 7

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 01/27/2014
Number of Days to Update: 271

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/01/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 07/30/2014
Date Data Arrived at EDR: 08/12/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/22/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/04/2014
Date Data Arrived at EDR: 08/05/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 17

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/13/2014
Date Data Arrived at EDR: 08/15/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 7

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 08/20/2014
Date Data Arrived at EDR: 08/22/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 27

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 07/25/2014
Date Data Arrived at EDR: 07/28/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 25

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/20/2014
Date Data Arrived at EDR: 06/10/2014
Date Made Active in Reports: 08/15/2014
Number of Days to Update: 66

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/10/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Varies

***State and tribal institutional control / engineering control registries***

ENG CONTROLS: Registry of Engineering Controls
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 07/16/2014
Date Data Arrived at EDR: 07/17/2014
Date Made Active in Reports: 08/14/2014
Number of Days to Update: 28

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 09/25/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 07/16/2014
Date Data Arrived at EDR: 07/17/2014
Date Made Active in Reports: 08/14/2014
Number of Days to Update: 28

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 09/25/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Quarterly

***State and tribal voluntary cleanup sites***

VCP: Voluntary Cleanup Agreements
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 07/16/2014
Date Data Arrived at EDR: 07/17/2014
Date Made Active in Reports: 08/14/2014
Number of Days to Update: 28

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 09/25/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Semi-Annually

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 05/30/2014
Date Data Arrived at EDR: 07/01/2014
Date Made Active in Reports: 08/15/2014
Number of Days to Update: 45

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 10/01/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

***State and tribal Brownfields sites***

ERP: Environmental Restoration Program Listing
In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 07/16/2014
Date Data Arrived at EDR: 07/17/2014
Date Made Active in Reports: 08/14/2014
Number of Days to Update: 28

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 09/25/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Quarterly

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 07/16/2014
Date Data Arrived at EDR: 07/17/2014
Date Made Active in Reports: 08/14/2014
Number of Days to Update: 28

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 09/25/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Semi-Annually

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Brownfield lists***

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/22/2014
Date Data Arrived at EDR: 09/23/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/23/2014
Next Scheduled EDR Contact: 01/05/2015
Data Release Frequency: Semi-Annually

***Local Lists of Landfill / Solid Waste Disposal Sites***

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/25/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: No Update Planned

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 07/08/2014
Date Data Arrived at EDR: 07/10/2014
Date Made Active in Reports: 08/14/2014
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 10/06/2014
Next Scheduled EDR Contact: 01/19/2015
Data Release Frequency: Semi-Annually

SWTIRE: Registered Waste Tire Storage & Facility List
A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 11/15/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 10/20/2014
Next Scheduled EDR Contact: 02/02/2015
Data Release Frequency: Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 08/01/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Varies

***Local Lists of Hazardous waste / Contaminated Sites***

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/25/2014
Date Data Arrived at EDR: 09/09/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 41

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 09/03/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: Quarterly

DEL SHWS: Delisted Registry Sites
A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 07/16/2014
Date Data Arrived at EDR: 07/17/2014
Date Made Active in Reports: 08/14/2014
Number of Days to Update: 28

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 09/25/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Annually

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/25/2014
Date Data Arrived at EDR: 09/09/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 41

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 09/03/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: No Update Planned

***Local Lists of Registered Storage Tanks***

HIST UST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

***Local Land Records***

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

LIENS: Spill Liens Information
Lien information from the Oil Spill Fund.

Date of Government Version: 05/21/2014
Date Data Arrived at EDR: 05/22/2014
Date Made Active in Reports: 06/10/2014
Number of Days to Update: 19

Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 08/11/2014
Next Scheduled EDR Contact: 11/24/2014
Data Release Frequency: Varies

***Records of Emergency Release Reports***

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/30/2014
Date Data Arrived at EDR: 07/01/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 79

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/01/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Annually

SPILLS: Spills Information Database
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/22/2014
Date Made Active in Reports: 06/11/2014
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 08/19/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

***Other Ascertainable Records***

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 10/01/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/06/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/15/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 06/06/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 8

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/10/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/24/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 31

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/30/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/09/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/20/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 01/30/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 07/15/2014
Number of Days to Update: 132

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/04/2014
Next Scheduled EDR Contact: 12/15/2014
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/29/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/26/2014
Next Scheduled EDR Contact: 01/05/2015
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/19/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/19/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 05/06/2014
Date Data Arrived at EDR: 05/16/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/10/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013
Date Data Arrived at EDR: 07/17/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 107

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/15/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/07/2014
Date Data Arrived at EDR: 10/08/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/08/2014
Next Scheduled EDR Contact: 01/19/2015
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/16/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 09/10/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 05/23/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/22/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/29/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Biennially

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 06/09/2014
Date Data Arrived at EDR: 06/12/2014
Date Made Active in Reports: 08/05/2014
Number of Days to Update: 54

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 09/10/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Quarterly

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/01/2014
Date Data Arrived at EDR: 08/07/2014
Date Made Active in Reports: 10/17/2014
Number of Days to Update: 71

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/07/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Annually

DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 07/17/2014
Date Data Arrived at EDR: 07/18/2014
Date Made Active in Reports: 08/14/2014
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 09/15/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Varies

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 05/29/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 06/12/2014
Number of Days to Update: 13

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 07/28/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: No Update Planned

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 11/01/2013
Date Made Active in Reports: 01/09/2014
Number of Days to Update: 69

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 11/10/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 06/18/2014
Date Data Arrived at EDR: 06/30/2014
Date Made Active in Reports: 07/02/2014
Number of Days to Update: 2

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 09/23/2014
Next Scheduled EDR Contact: 01/05/2015
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/15/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 10/20/2014
Next Scheduled EDR Contact: 02/02/2015
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/01/2013
Date Data Arrived at EDR: 12/05/2013
Date Made Active in Reports: 02/17/2014
Number of Days to Update: 74

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 10/06/2014
Next Scheduled EDR Contact: 01/19/2015
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/10/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/04/2014
Date Data Arrived at EDR: 09/04/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 08/14/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: Quarterly

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/01/2014
Next Scheduled EDR Contact: 11/10/2014
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 07/09/2014
Date Data Arrived at EDR: 07/10/2014
Date Made Active in Reports: 08/14/2014
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 10/06/2014
Next Scheduled EDR Contact: 01/19/2015
Data Release Frequency: Varies

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/15/2014
Next Scheduled EDR Contact: 11/24/2014
Data Release Frequency: Quarterly

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 09/30/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/15/2014
Next Scheduled EDR Contact: 11/24/2014
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 07/08/2014
Date Data Arrived at EDR: 07/10/2014
Date Made Active in Reports: 08/14/2014
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 10/06/2014
Next Scheduled EDR Contact: 01/19/2015
Data Release Frequency: Quarterly

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 06/04/2014
Date Data Arrived at EDR: 06/12/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 10/06/2014
Next Scheduled EDR Contact: 01/19/2015
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/15/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: N/A

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/29/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/29/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Annually

COAL ASH DOE: Sleam-Electric Plan Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/17/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Varies

**EDR HIGH RISK HISTORICAL RECORDS**

***EDR Exclusive Records***

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

**EDR RECOVERED GOVERNMENT ARCHIVES**

***Exclusive Recovered Govt. Archives***

RGA LF: Recovered Government Archive Solid Waste Facilities List
The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List
The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

**COUNTY RECORDS**

CORTLAND COUNTY:

Cortland County Storage Tank Listing
A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 05/30/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 06/13/2014
Number of Days to Update: 14

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 09/24/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 05/30/2014
Date Data Arrived at EDR: 05/30/2014
Date Made Active in Reports: 06/13/2014
Number of Days to Update: 14

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 09/24/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 11/20/2013
Date Data Arrived at EDR: 11/22/2013
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 81

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 10/06/2014
Next Scheduled EDR Contact: 01/19/2015
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 08/05/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Varies

Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 11/20/2013
Date Data Arrived at EDR: 11/22/2013
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 81

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 10/06/2014
Next Scheduled EDR Contact: 01/19/2015
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 08/05/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Varies

ROCKLAND COUNTY:

Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 06/23/2014
Date Data Arrived at EDR: 06/25/2014
Date Made Active in Reports: 08/05/2014
Number of Days to Update: 41

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 06/23/2014
Date Data Arrived at EDR: 06/25/2014
Date Made Active in Reports: 08/05/2014
Number of Days to Update: 41

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 09/08/2014
Next Scheduled EDR Contact: 12/22/2014
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 01/30/2014
Date Data Arrived at EDR: 02/28/2014
Date Made Active in Reports: 04/03/2014
Number of Days to Update: 34

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 08/05/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 01/30/2014
Date Data Arrived at EDR: 02/28/2014
Date Made Active in Reports: 04/03/2014
Number of Days to Update: 34

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 08/05/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 06/12/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 08/05/2014
Number of Days to Update: 53

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 08/05/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Varies

Listing of Storage Tanks
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 06/12/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 08/05/2014
Number of Days to Update: 53

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 08/05/2014
Next Scheduled EDR Contact: 11/17/2014
Data Release Frequency: Varies

**OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/19/2014
Next Scheduled EDR Contact: 12/01/2014
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/10/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/21/2014
Date Made Active in Reports: 08/25/2014
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/20/2014
Next Scheduled EDR Contact: 02/02/2015
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/15/2014
Date Made Active in Reports: 08/13/2014
Number of Days to Update: 29

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/26/2014
Next Scheduled EDR Contact: 12/08/2014
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 03/27/2014
Date Data Arrived at EDR: 06/12/2014
Date Made Active in Reports: 07/17/2014
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 10/20/2014
Next Scheduled EDR Contact: 02/02/2015
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 08/07/2014
Number of Days to Update: 48

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/15/2014
Next Scheduled EDR Contact: 12/29/2014
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

**STREET AND ADDRESS INFORMATION**

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# GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

**TARGET PROPERTY ADDRESS**

LANDING ROAD PHASE 1
233 LANDING ROAD
BRONX, NY 10468

**TARGET PROPERTY COORDINATES**

| | |
|---|---|
| Latitude (North): | 40.8626 - 40˚ 51' 45.36'' |
| Longitude (West): | 73.9109 - 73˚ 54' 39.24'' |
| Universal Tranverse Mercator: | Zone 18 |
| UTM X (Meters): | 591788.2 |
| UTM Y (Meters): | 4523863.5 |
| Elevation: | 51 ft. above sea level |

**USGS TOPOGRAPHIC MAP**

| | |
|---|---|
| Target Property Map: | 40073-G8 CENTRAL PARK, NY NJ |
| Most Recent Revision: | 1995 |
| | |
| North Map: | 40073-H8 YONKERS, NY NJ |
| Most Recent Revision: | 1998 |

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

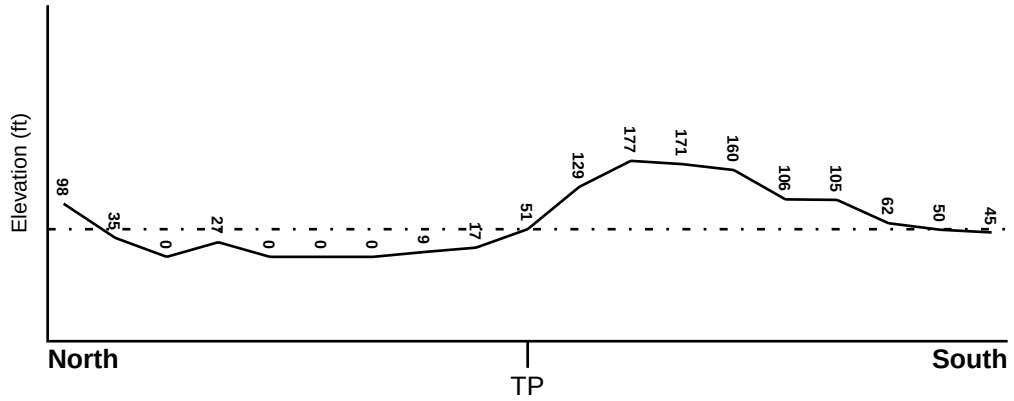
**TOPOGRAPHIC INFORMATION**

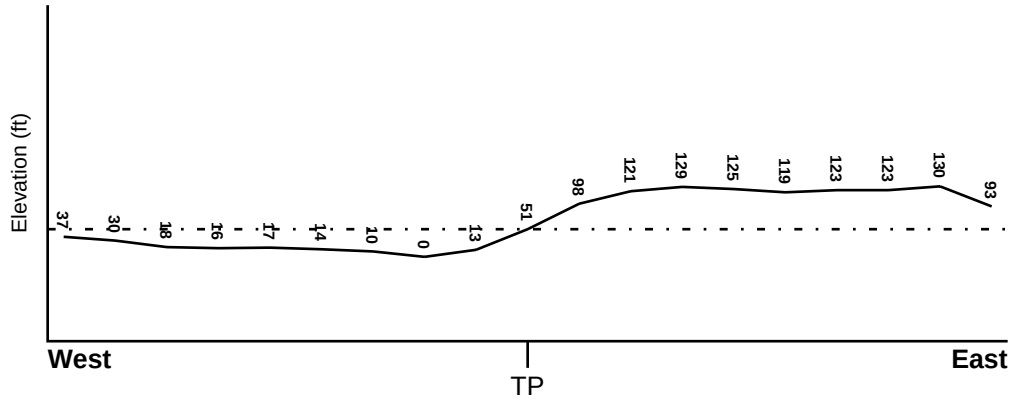
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

**TARGET PROPERTY TOPOGRAPHY**

General Topographic Gradient: General NW

**SURROUNDING TOPOGRAPHY: ELEVATION PROFILES**




**Target Property Elevation: 51 ft.**

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**HYDROLOGIC INFORMATION**

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

**FEMA FLOOD ZONE**

| Target Property County | FEMA Flood Electronic Data |
|---|---|
| BRONX, NY | YES - refer to the Overview Map and Detail Map |

| | |
|---|---|
| Flood Plain Panel at Target Property: | 3604970011B - FEMA Q3 Flood data |
| Additional Panels in search area: | 360497 - FEMA DFIRM Flood data<br>3604970005B - FEMA Q3 Flood data<br>3604970006B - FEMA Q3 Flood data<br>3604970010B - FEMA Q3 Flood data<br>3604970015B - FEMA Q3 Flood data<br>3604970016B - FEMA Q3 Flood data |

**NATIONAL WETLAND INVENTORY**

| NWI Quad at Target Property | NWI Electronic Data Coverage |
|---|---|
| CENTRAL PARK | YES - refer to the Overview Map and Detail Map |

**HYDROGEOLOGIC INFORMATION**

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

***Site-Specific Hydrogeological Data*:***

| | |
|---|---|
| Search Radius: | 1.25 miles |
| Status: | Not found |

**AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

| MAP ID | LOCATION FROM TP | GENERAL DIRECTION GROUNDWATER FLOW |
|---|---|---|
| Not Reported | | |

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

**GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

| **ROCK STRATIGRAPHIC UNIT** | | **GEOLOGIC AGE IDENTIFICATION** | |
|---|---|---|---|
| Era: | Paleozoic | Category: | Stratified Sequence |
| System: | Ordovicias | | |
| Series: | Lower Ordovician and Cambrian carbonate rocks | | |
| Code: | OC *(decoded above as Era, System & Series)* | | |

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

**DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY**

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | Permeability Rate (in/hr) | Soil Reaction (pH) |
| 1 | 0 inches | 6 inches | variable | Not reported | Not reported | Max: 0.00<br>Min: 0.00 | Max: 0.00<br>Min: 0.00 |

**OTHER SOIL TYPES IN AREA**

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam
loamy sand
sandy loam
fine sandy loam

Surficial Soil Types: silt loam
loamy sand
sandy loam
fine sandy loam

Shallow Soil Types: sandy loam

Deeper Soil Types: unweathered bedrock
very gravelly - loamy sand
stratified
sandy loam

**LOCAL / REGIONAL WATER AGENCY RECORDS**

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

**WELL SEARCH DISTANCE INFORMATION**

| DATABASE | SEARCH DISTANCE (miles) |
|---|---|
| Federal USGS | 1.000 |
| Federal FRDS PWS | Nearest PWS within 1 mile |
| State Database | 1.000 |

**FEDERAL USGS WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**FEDERAL USGS WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| 1 | USGS40000834908 | 1/4 - 1/2 Mile WNW |
| 2 | USGS40000834624 | 1/2 - 1 Mile SSW |
| A3 | USGS40000835080 | 1/2 - 1 Mile North |
| A4 | USGS40000835102 | 1/2 - 1 Mile North |
| 5 | USGS40000834939 | 1/2 - 1 Mile WNW |
| B6 | USGS40000834804 | 1/2 - 1 Mile ESE |
| B7 | USGS40000834787 | 1/2 - 1 Mile ESE |
| 8 | USGS40000835184 | 1/2 - 1 Mile NNE |

**FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

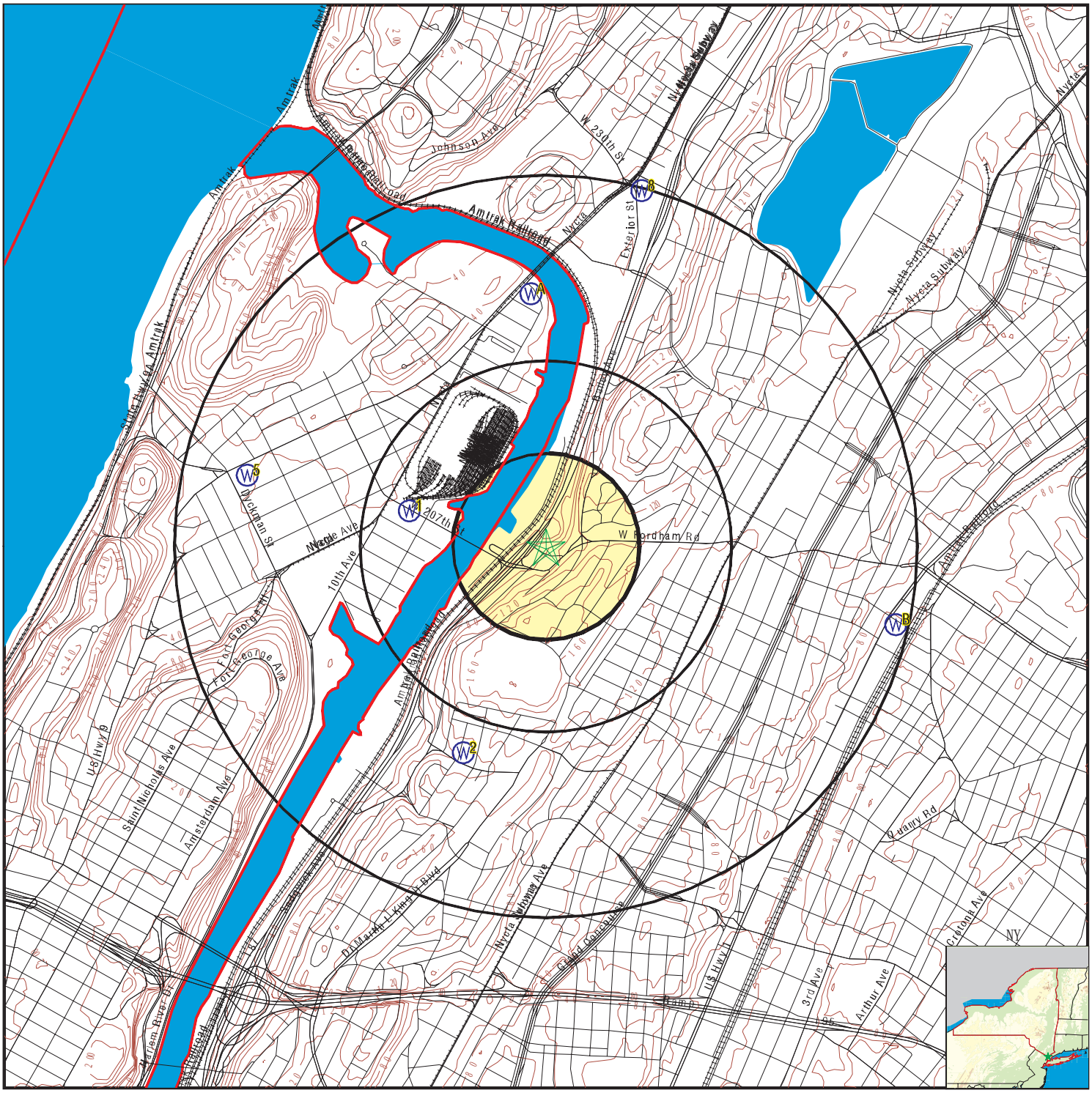
| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| No PWS System Found | | |

Note: PWS System location is not always the same as well location.

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| No Wells Found | | |

# PHYSICAL SETTING SOURCE MAP - 4111006.2s




County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data
Oil, gas or related wells

N

| | |
|---|---|
| SITE NAME: Landing Road Phase 1 | CLIENT: GZA GeoEnvironmental, Inc. |
| ADDRESS: 233 Landing Road<br>Bronx NY 10468 | CONTACT: Arsheen Ehtesham |
| LAT/LONG: 40.8626 / 73.9109 | INQUIRY #: 4111006.2s |
| | DATE: October 21, 2014 9:51 am |

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| Map ID<br>Direction<br>Distance<br>Elevation | Database | EDR ID Number |
|---|---|---|
| **1**<br>**WNW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **FED USGS** | **USGS40000834908** |

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-NY | | |
| Formal name: | USGS New York Water Science Center | | |
| Monloc Identifier: | USGS-405150073550601 | | |
| Monloc name: | NY 139 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | Not Reported | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 40.8639888 |
| Longitude: | -73.9179144 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 3 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 15 |
| Vert measure units: | feet | Vertacc measure val: | 5 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Not Reported | | |
| Formation type: | Not Reported | | |
| Aquifer type: | Not Reported | | |
| Construction date: | Not Reported | Welldepth: | 310 |
| Welldepth units: | ft | Wellholedepth: | Not Reported |
| Wellholedepth units: | Not Reported | | |

Ground-water levels, Number of Measurements: 0

---

| | | |
|---|---|---|
| **2**<br>**SSW**<br>**1/2 - 1 Mile**<br>**Higher** | **FED USGS** | **USGS40000834624** |

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-NY | | |
| Formal name: | USGS New York Water Science Center | | |
| Monloc Identifier: | USGS-405116073545601 | | |
| Monloc name: | B 41 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | Not Reported | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 40.8545445 |
| Longitude: | -73.9151366 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 3 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 100 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Not Reported | | |
| Formation type: | Not Reported | | |

| | | | |
|---|---|---|---|
| Aquifer type: | Not Reported | | |
| Construction date: | Not Reported | Welldepth: | 98 |
| Welldepth units: | ft | Wellholedepth: | Not Reported |
| Wellholedepth units: | Not Reported | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1953 | 20 | |

---

**A3**
**North**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000835080**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-NY | | |
| Formal name: | USGS New York Water Science Center | | |
| Monloc Identifier: | USGS-405219073544401 | | |
| Monloc name: | NY 94 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | Not Reported | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 40.8720442 |
| Longitude: | -73.9118031 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 3 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 20 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Sand and gravel aquifers (glaciated regions) | | |
| Formation type: | Sand | | |
| Aquifer type: | Not Reported | | |
| Construction date: | Not Reported | Welldepth: | 39 |
| Welldepth units: | ft | Wellholedepth: | Not Reported |
| Wellholedepth units: | Not Reported | | |

Ground-water levels, Number of Measurements: 0

---

**A4**
**North**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000835102**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-NY | | |
| Formal name: | USGS New York Water Science Center | | |
| Monloc Identifier: | USGS-405222073544301 | | |
| Monloc name: | NY 165 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | Not Reported | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 40.8728776 |
| Longitude: | -73.9115253 | Sourcemap scale: | 24000 |

| | | | |
|---|---|---|---|
| Horiz Acc measure: | 3 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 5 |
| Vert measure units: | feet | Vertacc measure val: | 2 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Not Reported | | |
| Formation type: | Not Reported | | |
| Aquifer type: | Not Reported | | |
| Construction date: | Not Reported | Welldepth: | 59 |
| Welldepth units: | ft | Wellholedepth: | Not Reported |
| Wellholedepth units: | Not Reported | | |

Ground-water levels, Number of Measurements: 0

---

**5**
**WNW** **FED USGS** **USGS40000834939**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-NY | | |
| Formal name: | USGS New York Water Science Center | | |
| Monloc Identifier: | USGS-405155073553601 | | |
| Monloc name: | NY 163 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | Not Reported | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 40.8653777 |
| Longitude: | -73.926248 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 3 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 20 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Not Reported | | |
| Formation type: | Not Reported | | |
| Aquifer type: | Not Reported | | |
| Construction date: | Not Reported | Welldepth: | 73 |
| Welldepth units: | ft | Wellholedepth: | Not Reported |
| Wellholedepth units: | Not Reported | | |

Ground-water levels, Number of Measurements: 0

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**B6**
**ESE** **FED USGS** **USGS40000834804**
**1/2 - 1 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-NY | | |
| Formal name: | USGS New York Water Science Center | | |
| Monloc Identifier: | USGS-405135073533601 | | |
| Monloc name: | B 64 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | Not Reported | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 40.8598223 |
| Longitude: | -73.8929137 | Sourcemap scale: | 24000 |

| | | | |
|---|---|---|---|
| Horiz Acc measure: | 3 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 50 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Not Reported | | |
| Formation type: | Not Reported | | |
| Aquifer type: | Not Reported | | |
| Construction date: | Not Reported | Welldepth: | 44 |
| Welldepth units: | ft | Wellholedepth: | Not Reported |
| Wellholedepth units: | Not Reported | | |

Ground-water levels, Number of Measurements: 0

---

**B7**
**ESE** **FED USGS** **USGS40000834787**
**1/2 - 1 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-NY | | |
| Formal name: | USGS New York Water Science Center | | |
| Monloc Identifier: | USGS-405133073533601 | | |
| Monloc name: | B 38 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | Not Reported | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 40.8592667 |
| Longitude: | -73.8929137 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 3 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 40 |
| Vert measure units: | feet | Vertacc measure val: | 10 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Not Reported | | |
| Formation type: | Not Reported | | |
| Aquifer type: | Not Reported | | |
| Construction date: | Not Reported | Welldepth: | Not Reported |
| Welldepth units: | Not Reported | Wellholedepth: | Not Reported |
| Wellholedepth units: | Not Reported | | |

Ground-water levels, Number of Measurements: 0

---

**8**
**NNE** **FED USGS** **USGS40000835184**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Org. Identifier: | USGS-NY | | |
| Formal name: | USGS New York Water Science Center | | |
| Monloc Identifier: | USGS-405235073542301 | | |
| Monloc name: | B 57 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | Not Reported | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 40.8764886 |
| Longitude: | -73.9059696 | Sourcemap scale: | 24000 |

| | | | |
|---|---|---|---|
| Horiz Acc measure: | 3 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 2 |
| Vert measure units: | feet | Vertacc measure val: | 1 |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Sand and gravel aquifers (glaciated regions) | | |
| Formation type: | Sand and Gravel | | |
| Aquifer type: | Not Reported | | |
| Construction date: | Not Reported | Welldepth: | 31 |
| Welldepth units: | ft | Wellholedepth: | Not Reported |
| Wellholedepth units: | Not Reported | | |

Ground-water levels, Number of Measurements: 0

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
# RADON

**AREA RADON INFORMATION**

Federal EPA Radon Zone for BRONX County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

---

Federal Area Radon Information for BRONX COUNTY, NY

Number of sites tested: 31

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|---|---|---|---|---|
| Living Area | 0.670 pCi/L | 96% | 4% | 0% |
| Basement | 1.110 pCi/L | 42% | 58% | 0% |

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

## HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

## OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

**STREET AND ADDRESS INFORMATION**

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**Landing Road Phase 1**
233 Landing Road
Bronx, NY 10468

Inquiry Number: 4111006.6s
October 26, 2014

# EDR Vapor Encroachment Screen

## Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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| **Record Sources and Currency** | **GR-1** |


***Thank you for your business.***
Please contact EDR at 1-800-352-0050
with any questions or comments.


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# EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600-10).

| STANDARD ENVIRONMENTAL RECORDS | Maximum Search Distance* | Summary | | |
|---|---|---|---|---|
| | | property | 1/10 | 1/10 - 1/3 |
| Federal NPL | 0.333 | 0 | 0 | 0 |
| Federal CERCLIS | 0.333 | 0 | 0 | 0 |
| Federal RCRA CORRACTS facilities list | 0.333 | 0 | 0 | 0 |
| Federal RCRA TSD facilities list | 0.333 | 0 | 0 | 0 |
| Federal RCRA generators list | property | 0 | - | - |
| Federal institutional controls / engineering controls registries | 0.333 | 0 | 0 | 0 |
| Federal ERNS list | property | 0 | - | - |
| State and tribal - equivalent NPL | not searched | - | - | - |
| State and tribal - equivalent CERCLIS | 0.333 | 0 | 0 | 0 |
| State and tribal landfill / solid waste disposal | 0.333 | 0 | 0 | 0 |
| State and tribal leaking storage tank lists | 0.333 | 0 | 4 | 16 |
| State and tribal registered storage tank lists | 0.25 | 0 | 0 | 2 |
| State and tribal institutional control / engineering control registries | property | 1 | - | - |
| State and tribal voluntary cleanup sites | 0.333 | 0 | 0 | 0 |
| State and tribal Brownfields sites | 0.333 | 0 | 0 | 0 |
| Other Standard Environmental Records | 0.333 | 1 | 22 | 7 |

| HISTORICAL USE RECORDS | | | | |
|---|---|---|---|---|
| Former manufactured Gas Plants | 0.333 | 0 | 1 | 0 |
| Historical Gas Stations | 0.25 | 0 | 4 | 2 |
| Historical Dry Cleaners | 0.25 | 0 | 2 | 3 |
| Exclusive Recovered Govt. Archives | property | 0 | - | - |

*Each category may include several separate databases, each having a different search distance. For each category, the table reports the maximum search distance applied. See the section 'Record Sources and Currency' for information on individual databases.

# EXECUTIVE SUMMARY

## TARGET PROPERTY INFORMATION

### ADDRESS

LANDING ROAD PHASE 1
233 LANDING ROAD
BRONX, NY 10468

### COORDINATES

| | |
|---|---|
| Latitude (North): | 40.8626 - 40˚ 51′ 45.35431″ |
| Longitude (West): | 73.9109 - 73˚ 54′ 39.226685″ |
| Elevation: | 51 ft. above sea level |

## TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records.

| Site | Database(s) |
|---|---|
| LOT 25,TAXBLOCK 3236<br>233 LANDING ROAD<br>BRONX, NY 10468 | RES DECL<br>E DESIGNATION |

# EXECUTIVE SUMMARY

**PHYSICAL SETTING INFORMATION**

| | |
|---|---|
| Flood Zone: | Available |
| NWI Wetlands: | Available |

**AQUIFLOW®**

Search Radius: 0.333 Mile.

**No Aquiflow sites reported.**

**DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY**

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

| | |
|---|---|
| Soil Component Name: | URBAN LAND |
| Soil Surface Texture: | variable |
| Hydrologic Group: | Not reported |
| Soil Drainage Class: | Not reported |
| Hydric Status: | Hydric Status: Soil does not meet the requirements for a hydric soil. |
| Corrosion Potential - Uncoated Steel: | Not Reported |
| Depth to Bedrock Min: | > 10 inches |
| Depth to Bedrock Max: | > 10 inches |

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | | |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | Permeability Rate (in/hr) | Soil Reaction (pH) |
| 1 | 0 inches | 6 inches | variable | Not reported | Not reported | Max: 0.00<br>Min: 0.00 | Max: 0.00<br>Min: 0.00 |

**OTHER SOIL TYPES IN AREA**

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

| | |
|---|---|
| Soil Surface Textures: | silt loam<br>loamy sand<br>sandy loam<br>fine sandy loam |
| Surficial Soil Types: | silt loam<br>loamy sand<br>sandy loam<br>fine sandy loam |
| Shallow Soil Types: | sandy loam |
| Deeper Soil Types: | unweathered bedrock<br>very gravelly - loamy sand<br>stratified<br>sandy loam |

# EXECUTIVE SUMMARY

## SEARCH RESULTS

Unmappable (orphan) sites are not considered in the foregoing analysis.

## STANDARD ENVIRONMENTAL RECORDS

| Name | Address | Dist/Dir | Map ID | Page |
|---|---|---|---|---|
| LOT 25,TAXBLOCK 3236<br>RES DECL: State and tribal institutional control / engineering control registries<br>E DESIGNATION: Other Standard Environmental Records | 233 LANDING ROAD | Property | ▲ A1 | 14 |
| CON ED VEHICLE<br>NY Spills: Other Standard Environmental Records | LANDING RD & FORDHAM RD | <1/10 ESE | ▲ B3 | 21 |
| BRONX CABLE HOUSE<br>NY Spills: Other Standard Environmental Records | LANDING ROAD/FORDAM RD | <1/10 ESE | ▲ B4 | 23 |
| LOT 220,TAXBLOCK 3236<br>E DESIGNATION: Other Standard Environmental Records<br>LTANKS: State and tribal leaking storage tank lists | 205 WEST FORDHAM ROAD | <1/10 ESE | ▲ B5 | 27 |
| VAULT #900<br>NY Spills: Other Standard Environmental Records | FORDHAM RD/CEDAR RD | <1/10 SW | ▲ C8 | 35 |
| B P PRODUCTS NORTH AMERICA FAC #48369<br>RCRA-SQG: Federal RCRA generators list<br>FINDS: Other Standard Environmental Records<br>RCRA-SQG: Federal RCRA generators list<br>FINDS: Other Standard Environmental Records<br>MANIFEST: Other Standard Environmental Records<br>MANIFEST: Other Standard Environmental Records<br>LTANKS: State and tribal leaking storage tank lists | 296 W FORDHAM RD | <1/10 SW | ▲ C10 | 38 |
| GASETERIA<br>LTANKS: State and tribal leaking storage tank lists | 296 WEST FORDHAM ROAD | <1/10 SW | ▲ C11 | 51 |
| FORDHAM RD / SEDGEWICK AV<br>NY Spills: Other Standard Environmental Records | FORDHAM RD / SEDGEWICK AV | <1/10 E | ▲ D12 | 58 |
| MANHOLE # 29002<br>NY Spills: Other Standard Environmental Records | W FORDHAM RD/SEDGWICK AV | <1/10 E | ▲ D13 | 60 |
| SPILL NUMBER 0308926<br>NY Spills: Other Standard Environmental Records | FORDHAM RD & SEDGWICK AVE | <1/10 E | ▲ D14 | 62 |
| SPILL NUMBER 0204153<br>NY Spills: Other Standard Environmental Records | SEDGWICK AV & FORDHAM RD | <1/10 E | ▲ D15 | 64 |
| 2269 HAMPDEN PLACE<br>LTANKS: State and tribal leaking storage tank lists | 2269 HAMPDEN PLACE | <1/10 S | ▲ C17 | 67 |

# EXECUTIVE SUMMARY

| Name | Address | Dist/Dir | Map ID | Page |
|---|---|---|---|---|
| MANHOLE 29002<br>NY Spills: Other Standard Environmental Records | FORDHAM RD & SEDGWICK | <1/10 E | ▲ D18 | 69 |
| FORDHAM ROAD/MAJOR DEEGAN<br>NY Spills: Other Standard Environmental Records | FORDHAM ROAD/MAJOR DEEGAN | <1/10 WSW | ▼ C21 | 73 |
| MAJOR DEACON EXPRESSWAY<br>NY Spills: Other Standard Environmental Records | WEST FORDHAM ROAD | <1/10 WSW | ▼ C22 | 75 |
| MAJOR DEEGAN EXPRESS<br>NY Spills: Other Standard Environmental Records | AND FORDOM RD | <1/10 WSW | ▼ C23 | 77 |
| WEST FORDHAM ROAD<br>NY Spills: Other Standard Environmental Records | WEST FORDHAM ROAD @DEGAN | <1/10 WSW | ▼ C24 | 79 |
| EXTERIOR ST - LANDING RD<br>NY Spills: Other Standard Environmental Records | EXTERIOR ST - LANDING RD | <1/10 WNW | ▼ E25 | 81 |
| APARTMENT BUILDING 8<br>NY Spills: Other Standard Environmental Records | FORDHAM/SEDGWICK | <1/10 ENE | ▲ D26 | 85 |
| MANHOLE 29002<br>NY Spills: Other Standard Environmental Records | W FORDAM RD/ FREDWICK AVE | <1/10 ENE | ▲ D27 | 87 |
| MANHOLE # 12719<br>NY Spills: Other Standard Environmental Records | SCHEDWICK AVE/FORDAM ROAD | <1/10 ENE | ▲ D28 | 89 |
| MH 26481<br>NY Spills: Other Standard Environmental Records | BAILEY AVE AND FORDHAM RD | <1/10 ENE | ▲ D29 | 91 |
| ROADWAY<br>NY Spills: Other Standard Environmental Records | MAJOR DEEGAN S/B @ FORDHAM RD | <1/10 WSW | ▼ C30 | 94 |
| CROTON AQUADUCT<br>NY Spills: Other Standard Environmental Records | CROTON AQUADUCT | <1/10 WNW | ▼ E31 | 96 |
| APT BLDG<br>NY Spills: Other Standard Environmental Records | 2254 CEDAR AVE | <1/10 SW | ▲ C32 | 98 |
| MAJOR DEEGAN & FORDHAM RD<br>NY Spills: Other Standard Environmental Records | MAJOR DEEGAN & FORDHAM RD | 1/10 - 1/3 WSW | ▼ 33 | 100 |
| HUNDLEY RESD | 2240 CEDAR AVE | 1/10 - 1/3 SW | ▲ 34 | 102 |

# EXECUTIVE SUMMARY

| Name | Address | Dist/Dir | Map ID | Page |
|---|---|---|---|---|
| NY Spills: Other Standard Environmental Records | | | | |
| ECR REALTY<br>LTANKS: State and tribal leaking storage tank lists | 2326 LORING PLACE | 1/10 - 1/3 ESE | ▲ F35 | 104 |
| 2316 LORING PLACE<br>NY Spills: Other Standard Environmental Records | 2316 LORING PLACE | 1/10 - 1/3 SE | ▲ F36 | 106 |
| FORHDHAM HILL<br>LTANKS: State and tribal leaking storage tank lists | 1 FORDHAM HILL OVAL | 1/10 - 1/3 ENE | ▲ G37 | 109 |
| 2445 SEDGWICK AVE<br>LTANKS: State and tribal leaking storage tank lists | 2445 SEDGWICK AVE | 1/10 - 1/3 NE | ▲ 39 | 112 |
| 2277 ANDREWS AVENUE<br>HIST UST: State and tribal registered storage tank lists<br>LTANKS: State and tribal leaking storage tank lists | 2277 ANDREWS AVENUE | 1/10 - 1/3 SE | ▲ H40 | 114 |
| FORDHAM CLEANERS INC.<br>DRYCLEANERS: Other Standard Environmental Records | 130 W FORDHAM ROAD | 1/10 - 1/3 E | ▲ I43 | 120 |
| PUBLIC SCHOOL 15<br>LTANKS: State and tribal leaking storage tank lists<br>AST: State and tribal registered storage tank lists | 2195 ANDREWS AVE | 1/10 - 1/3 SSE | ▲ 45 | 122 |
| APT BUILDING<br>LTANKS: State and tribal leaking storage tank lists | 153-175 FATHER ZIESER PLA | 1/10 - 1/3 ENE | ▲ 46 | 128 |
| ST.NICHOLAS OF TOLENTINE<br>LTANKS: State and tribal leaking storage tank lists | 2345 UNIVERSITY AVE | 1/10 - 1/3 ESE | ▲ J48 | 131 |
| CLOSED-LACKOF RECENT INFO<br>LTANKS: State and tribal leaking storage tank lists | 2345 UNIVERSITY AVE. | 1/10 - 1/3 ESE | ▲ J49 | 133 |
| RESIDENCE<br>LTANKS: State and tribal leaking storage tank lists | 2237 UNIVERSITY AVE | 1/10 - 1/3 SSE | ▲ 50 | 135 |
| HARLEM RIVER FACILITY<br>NY Spills: Other Standard Environmental Records<br>LTANKS: State and tribal leaking storage tank lists | 300 206TH STREET | 1/10 - 1/3 W | ▼ K51 | 137 |
| BRONX COMMUNITY COLLEGE<br>LTANKS: State and tribal leaking storage tank lists | WEST 181ST & UNIVERSITY AVE | 1/10 - 1/3 SSW | ▲ 52 | 141 |
| RESIDENCE<br>NY Spills: Other Standard Environmental Records<br>LTANKS: State and tribal leaking storage tank lists | 2440 WEBB AVE | 1/10 - 1/3 ENE | ▲ 53 | 143 |
| 333 EAST 206TH ST./ST. BR<br>LTANKS: State and tribal leaking storage tank lists | 333 EAST 206TH ST. | 1/10 - 1/3 W | ▼ K54 | 146 |

# EXECUTIVE SUMMARY

| Name | Address | Dist/Dir | Map ID | Page |
|---|---|---|---|---|
| SPILL NUMBER 0204392<br>LTANKS: State and tribal leaking storage tank lists | 2320 AQUEDUCT AVE | 1/10 - 1/3 ESE | ▲ 55 | 148 |
| SHELTERING ARMS<br>LTANKS: State and tribal leaking storage tank lists | 2207 UNIVERSITY AVE | 1/10 - 1/3 SSE | ▲ 56 | 150 |
| MERIT SERVICE STATION<br>NY Spills: Other Standard Environmental Records<br>LTANKS: State and tribal leaking storage tank lists | 401 WEST 207TH STREET | 1/10 - 1/3 WNW | ▼ 57 | 153 |

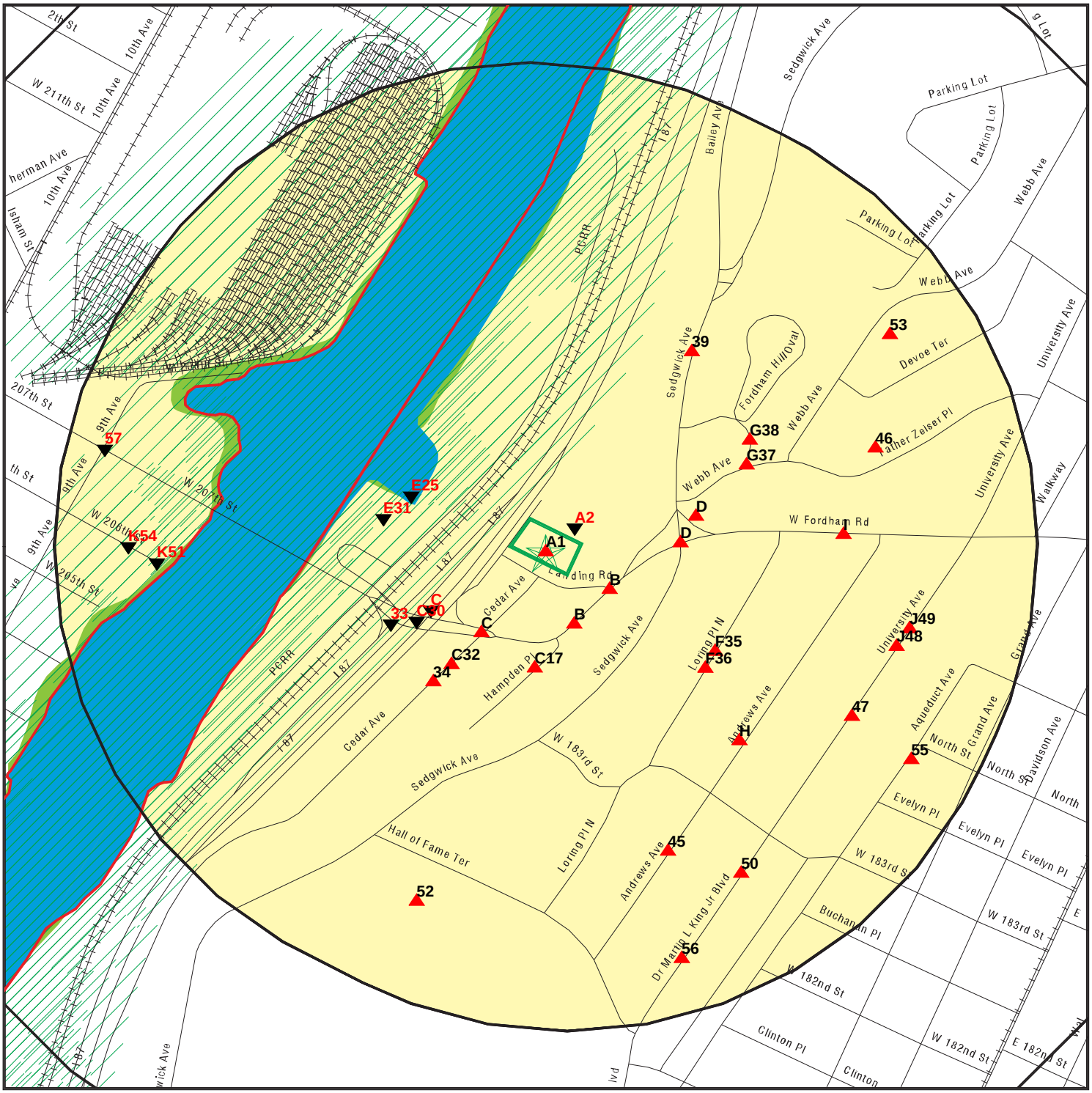
**HISTORICAL USE RECORDS**

| Name | Address | Dist/Dir | Map ID | Page |
|---|---|---|---|---|
| CON EDISON - KINGSBRIDGE STATION MGP<br>EDR MGP: Former manufactured Gas Plants | BLOCK 3236, LOT 25 AND BLOCK 3236 LOT 45 | <1/10 NE | ▼ A2 | 20 |
| 248 W FORDHAM RD<br>EDR US Hist Auto Stat: Historical Gas Stations | 248 W FORDHAM RD | <1/10 SSE | ▲ B6 | 33 |
| 254 W FORDHAM RD<br>EDR US Hist Auto Stat: Historical Gas Stations | 254 W FORDHAM RD | <1/10 SSE | ▲ B7 | 34 |
| 296 W FORDHAM RD<br>EDR US Hist Auto Stat: Historical Gas Stations | 296 W FORDHAM RD | <1/10 SW | ▲ C9 | 37 |
| 320 W FORDHAM RD<br>EDR US Hist Auto Stat: Historical Gas Stations | 320 W FORDHAM RD | <1/10 SW | ▲ C16 | 66 |
| 2304 SEDGWICK AVE<br>EDR US Hist Cleaners: Historical Dry Cleaners | 2304 SEDGWICK AVE | <1/10 E | ▲ D19 | 71 |
| 2302 SEDGWICK AVE<br>EDR US Hist Cleaners: Historical Dry Cleaners | 2302 SEDGWICK AVE | <1/10 E | ▲ D20 | 72 |
| 5 FORDHAM HILL OVAL<br>EDR US Hist Auto Stat: Historical Gas Stations | 5 FORDHAM HILL OVAL | 1/10 - 1/3 ENE | ▲ G38 | 111 |
| 2271 ANDREWS AVE<br>EDR US Hist Cleaners: Historical Dry Cleaners | 2271 ANDREWS AVE | 1/10 - 1/3 SE | ▲ H41 | 118 |
| 130 W FORDHAM RD<br>EDR US Hist Cleaners: Historical Dry Cleaners | 130 W FORDHAM RD | 1/10 - 1/3 E | ▲ I42 | 119 |
| 128 W FORDHAM RD<br>EDR US Hist Cleaners: Historical Dry Cleaners | 128 W FORDHAM RD | 1/10 - 1/3 E | ▲ I44 | 121 |
| 2308 UNIVERSITY AVE<br>EDR US Hist Auto Stat: Historical Gas Stations | 2308 UNIVERSITY AVE | 1/10 - 1/3 ESE | ▲ 47 | 130 |

# EXECUTIVE SUMMARY

| Name | Address | Dist/Dir | Map ID | Page |
|---|---|---|---|---|

# PRIMARY MAP - 4111006.6S




Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 300 1/3 Miles

Indian Reservations BIA

County Boundary

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Groundwater Flow Direction

GI Indeterminate Groundwater Flow at Location

GV Groundwater Flow Varies at Location

| | |
|---|---|
| SITE NAME: Landing Road Phase 1 | CLIENT: GZA GeoEnvironmental, Inc. |
| ADDRESS: 233 Landing Road<br>Bronx NY 10468 | CONTACT: Arsheen Ehtesham |
| LAT/LONG: 40.8626 / 73.9109 | INQUIRY #: 4111006.6s |
| | DATE: October 21, 2014 12:46 pm |

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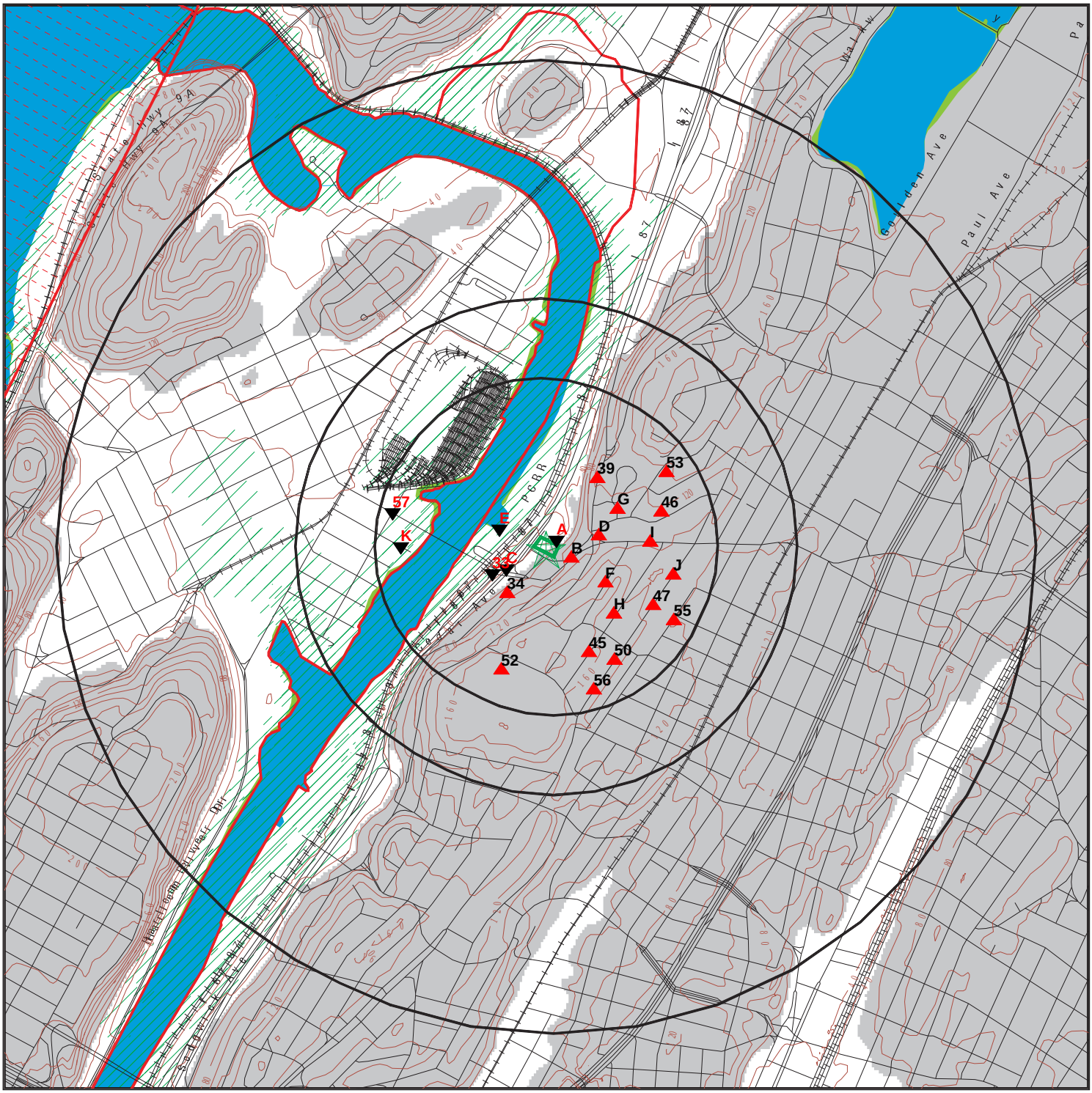
# SECONDARY MAP - 4111006.6S




0 300 1/3 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Contour Lines
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area

| | |
|---|---|
| SITE NAME: Landing Road Phase 1 | CLIENT: GZA GeoEnvironmental, Inc. |
| ADDRESS: 233 Landing Road<br>Bronx NY 10468 | CONTACT: Arsheen Ehtesham<br>INQUIRY #: 4111006.6s |
| LAT/LONG: 40.8626 / 73.9109 | DATE: October 21, 2014 12:44 pm |

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# AERIAL PHOTOGRAPHY - 4111006.6s

0 300 1/3 Miles

N

| | | | |
|---|---|---|---|
| SITE NAME: | Landing Road Phase 1 | CLIENT: | GZA GeoEnvironmental, Inc. |
| ADDRESS: | 233 Landing Road<br>Bronx NY 10468 | CONTACT: | Arsheen Ehtesham |
| | | INQUIRY #: | 4111006.6s |
| LAT/LONG: | 40.8626 / 73.9109 | DATE: | October 21, 2014 12:47 pm |

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**LEGEND**

| **FACILITY NAME**<br>**FACILITY ADDRESS, CITY, ST, ZIP** | | | EDR SITE ID NUMBER |
|---|---|---|---|
| **▼ MAP ID#** | Direction Distance Range<br>Relative Elevation | (Distance feet / miles)<br>Feet Above Sea Level | ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency. |

**Worksheet:**

**Comments:**

Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

| LOT 25,TAXBLOCK 3236<br>233 LANDING ROAD, BRONX, NY, 10468 | | S108983132 |
|---|---|---|
| ▲ A1 | Target Property<br>51 ft. Above Sea Level | State and tribal institutional control / engineering control registries<br>Other Standard Environmental Records |

**Worksheet:**

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**ENV RES DECL: State and tribal institutional control / engineering control registries**

| | |
|---|---|
| Reference Number: | R-116 |
| CEQR Number: | 06DCP062X |
| Application Number: | 060320 ZMX |
| Recording Reference Number: | 2007000268510 |
| Tax Block: | 3236 |
| Tax Lot: | 25 |
| Date Recorded: | 5/23/2007 |
| Satisfaction Date: | Not Reported |
| Lot Remediation Date: | Not Reported |
| Type: | Hazmat |
| Borough Code: | BX |
| Tax Block: | 3236 |
| Tax Lot: | 25 |
| Community District: | 207 |
| Census Tract: | 269 |
| Census Block: | 2001 |
| School District: | 10 |
| City Council District: | 14 |
| Fire Company: | E081 |
| Health Area: | 0320 |
| Health Center District: | 21 |

**LOT 25,TAXBLOCK 3236, 233 LANDING ROAD, BRONX, NY 10468 (Continued)**

| | |
|---|---|
| Police Precinct: | 052 |
| Zone District 1: | C8-3 |
| Zone District 2: | Not Reported |
| Commercail Overlay 1: | Not Reported |
| Commercial Overlay 2: | Not Reported |
| Special Purpose Dist.: | Not Reported |
| Special Purpose Dist.: | Not Reported |
| All Components 1: | C8-3 |
| All Components 2: | Not Reported |
| Split Boundary Indicator: | N |
| Building Class: | G7 |
| Land Use Category: | 10 |
| Easements, Number Of: | 0 |
| Owner, Type Of Own. Code: | P |
| Owner Name: | AMERICAN SELF STORAGE |
| Lot Area: | 000033933 |
| Total Building Floor Area: | 00000000000 |
| Floor Area, Commercial: | 00000000000 |
| Floor Area, Residential: | 00000000000 |
| Floor Area, Office: | 00000000000 |
| Floor Area, Retail: | 00000000000 |
| Floor Area, Garage: | 00000000000 |
| Floor Area, Storage: | 00000000000 |
| Floor Area, Factory: | 00000000000 |
| Floor Area, Other: | 00000000000 |
| Floor Area, Tot. Building Source Code: | 7 |
| Number Of Buildings: | 00000 |
| Number Of Floors: | 001.00 |
| Units, Residential: | 00000 |
| Units, Residential And Nonresidential: | 00000 |
| Lot, Frontage: | 0229.67 |
| Building, Depth: | 0147.75 |
| Building Front: | 0000.00 |
| Building Depth: | 0000.00 |
| Proximity Code: | 0 |
| Irregular Lot Code: | N |
| Lot Type: | 5 |
| Basement Type/Grade: | 5 |
| Assessed Value, Land: | 00000138600 |
| Assessed Value, Total: | 00000185850 |
| Exempt Value, Land: | 00000000000 |
| Exempt Value, Total: | 00000000000 |
| Year Built: | 0000 |
| Year Built Code: | Not Reported |
| Year Altered 1: | 0000 |
| Year Altered 2: | 0000 |
| Historic District Name: | Not Reported |
| Landmark Name: | Not Reported |
| Built Floor Area Ratio-Far: | 0000.00 |

**LOT 25,TAXBLOCK 3236, 233 LANDING ROAD, BRONX, NY 10468 (Continued)**

| | |
|---|---|
| Maximum Allowable Far: | 02.00 |
| Borough Code: | 2 |
| Borough, Tax Block & Lot: | 2032360025 |
| Condominium Number: | 00000 |
| Census Tract 2: | 0269 |
| X Coordinate: | 1008887 |
| Y Coordinate: | 0253573 |
| Zoning Map: | 03A |
| Sanborn Map: | 214 028 |
| Tax Map: | 21111 |
| E Designation Number: | Not Reported |
| Date Of Rpad Data: | 11/2005 |
| Date Of Dcas Data: | 01/2006 |
| Date Of Zoning Data: | 11/2005 |
| Date Of Major Property Data: | 11/2005 |
| Date Of Landmark Data: | 12/2005 |
| Date Of Base Map Data: | 01/2006 |
| Date Of Mass Appraisal Data: | 11/2005 |
| Date Of Political And Administrative: | 08/2005 |
| Pluto-Base Map Indicator: | 1 |

**E DESIGNATION: Other Standard Environmental Records**

| | |
|---|---|
| Tax Lot(s): | 25 |
| E-No: | E-189 |
| Effective Date: | 1/9/2008 |
| Satisfaction Date: | Not Reported |
| Ceqr Number: | 06DCP062X |
| Ulurp Number: | 060320ZMX |
| Zoning Map No: | 3c |
| Description: | Window Wall Attenuation & Alternate Ventilation |
| Borough Code: | BX |
| Community District: | 207 |
| Census Tract: | 269 |
| Census Block: | 2001 |
| School District: | 10 |
| City Council District: | 14 |
| Fire Company: | E081 |
| Health Area: | 21 |
| Police Precinct: | 052 |
| Zone District 1: | C8-3 |
| Zone District 2: | Not Reported |
| Commercial Overlay1: | Not Reported |
| Commercial Overlay2: | Not Reported |
| Special Purpose District1: | Not Reported |
| Special Purpose District2: | Not Reported |
| All Components1: | C8-3 |
| All Components2: | Not Reported |
| Split Boundary Indicator: | N |
| Building Class: | G7 |

**LOT 25,TAXBLOCK 3236, 233 LANDING ROAD, BRONX, NY 10468 (Continued)**

| | |
|---|---|
| Land Use Category: | 10 |
| Number of Easements: | 0 |
| Owner, Type of Code: | P |
| Owner Name: | AMERICAN SELF STORAGE |
| Lot Area: | 000033933 |
| Total Building Floor Area: | 00000000000 |
| Commercial Floor Area: | 00000000000 |
| Office Floor Area: | 00000000000 |
| Retail Floor Area: | 00000000000 |
| Garage Floor Area: | 00000000000 |
| Storage Floor Area: | 00000000000 |
| Factory Floor Area: | 00000000000 |
| Other Floor Area: | 00000000000 |
| Floor Area,Total Bld Source Code: | 7 |
| Number of Buildings: | 00000 |
| Number of Floors: | 001.00 |
| Residential Units: | 00000 |
| Non and Residential Units: | 00000 |
| Lot Frontage: | 0229.67 |
| Lot Depth: | 0147.75 |
| Building Frontage: | 0000.00 |
| Building Depth: | 0000.00 |
| Proximity Code: | 0 |
| Irregular Lot Code: | N |
| Lot Type: | 5 |
| Basement Type Grade: | 5 |
| Land Assessed Value: | 00000138600 |
| Total Assessed Value: | 00000185850 |
| Land Exempt Value: | 00000000000 |
| Total Exempt Value: | 00000000000 |
| Year Built: | 0000 |
| Year Built Code: | Not Reported |
| Year Altered1: | 0000 |
| Year Altered2: | 0000 |
| Historic District Name: | Not Reported |
| Landmark Name: | Not Reported |
| Built Floor Area Ratio-Far: | 0000.00 |
| Maximum Allowable Far: | 02.00 |
| Borough Code: | 2 |
| Borough Tax Block And Lot: | 2032360025 |
| Condominium Number: | 00000 |
| Census Tract 2: | 0269 |
| X Coordinate: | 1008887 |
| Y Coordinate: | 0253573 |
| Zoning Map: | 03A |
| Sanborn Map: | 214 028 |
| Tax Map: | 21111 |
| E Designation No: | Not Reported |
| Date of RPAD Data: | 11/2005 |
| Date of DCAS Data: | 01/2006 |

**LOT 25,TAXBLOCK 3236, 233 LANDING ROAD, BRONX, NY 10468 (Continued)**

| | |
|---|---|
| Date of Zoning Data: | 11/2005 |
| Date of Major Property Data: | 11/2005 |
| Date of Landmark Data: | 12/2005 |
| Date of Base Map Data: | 01/2006 |
| Date of Mass Appraisal Data: | 11/2005 |
| Date of Political and Adm Data: | 08/2005 |
| Pluto-Base Map Indicator: | 1 |
| Tax Lot(s): | 25 |
| E-No: | E-189 |
| Effective Date: | 1/9/2008 |
| Satisfaction Date: | Not Reported |
| Ceqr Number: | 06DCP062X |
| Ulurp Number: | 060320ZMX |
| Zoning Map No: | 3c |
| Description: | Exhaust stack location limitations |
| Borough Code: | BX |
| Community District: | 207 |
| Census Tract: | 269 |
| Census Block: | 2001 |
| School District: | 10 |
| City Council District: | 14 |
| Fire Company: | E081 |
| Health Area: | 21 |
| Police Precinct: | 052 |
| Zone District 1: | C8-3 |
| Zone District 2: | Not Reported |
| Commercial Overlay1: | Not Reported |
| Commercial Overlay2: | Not Reported |
| Special Purpose District1: | Not Reported |
| Special Purpose District2: | Not Reported |
| All Components1: | C8-3 |
| All Components2: | Not Reported |
| Split Boundary Indicator: | N |
| Building Class: | G7 |
| Land Use Category: | 10 |
| Number of Easements: | 0 |
| Owner, Type of Code: | P |
| Owner Name: | AMERICAN SELF STORAGE |
| Lot Area: | 000033933 |
| Total Building Floor Area: | 00000000000 |
| Commercial Floor Area: | 00000000000 |
| Office Floor Area: | 00000000000 |
| Retail Floor Area: | 00000000000 |
| Garage Floor Area: | 00000000000 |
| Storage Floor Area: | 00000000000 |
| Factory Floor Area: | 00000000000 |
| Other Floor Area: | 00000000000 |
| Floor Area,Total Bld Source Code: | 7 |
| Number of Buildings: | 00000 |

**LOT 25,TAXBLOCK 3236, 233 LANDING ROAD, BRONX, NY 10468 (Continued)**

| | |
|---|---|
| Number of Floors: | 001.00 |
| Residential Units: | 00000 |
| Non and Residential Units: | 00000 |
| Lot Frontage: | 0229.67 |
| Lot Depth: | 0147.75 |
| Building Frontage: | 0000.00 |
| Building Depth: | 0000.00 |
| Proximity Code: | 0 |
| Irregular Lot Code: | N |
| Lot Type: | 5 |
| Basement Type Grade: | 5 |
| Land Assessed Value: | 00000138600 |
| Total Assessed Value: | 00000185850 |
| Land Exempt Value: | 00000000000 |
| Total Exempt Value: | 00000000000 |
| Year Built: | 0000 |
| Year Built Code: | Not Reported |
| Year Altered1: | 0000 |
| Year Altered2: | 0000 |
| Historic District Name: | Not Reported |
| Landmark Name: | Not Reported |
| Built Floor Area Ratio-Far: | 0000.00 |
| Maximum Allowable Far: | 02.00 |
| Borough Code: | 2 |
| Borough Tax Block And Lot: | 2032360025 |
| Condominium Number: | 00000 |
| Census Tract 2: | 0269 |
| X Coordinate: | 1008887 |
| Y Coordinate: | 0253573 |
| Zoning Map: | 03A |
| Sanborn Map: | 214 028 |
| Tax Map: | 21111 |
| E Designation No: | Not Reported |
| Date of RPAD Data: | 11/2005 |
| Date of DCAS Data: | 01/2006 |
| Date of Zoning Data: | 11/2005 |
| Date of Major Property Data: | 11/2005 |
| Date of Landmark Data: | 12/2005 |
| Date of Base Map Data: | 01/2006 |
| Date of Mass Appraisal Data: | 11/2005 |
| Date of Political and Adm Data: | 08/2005 |
| Pluto-Base Map Indicator: | 1 |

MAP FINDINGS

| CON EDISON - KINGSBRIDGE STATION MGP<br>BLOCK 3236, LOT 25 AND BLOCK 3236 LOT 45, BRONX, NY, 10468 | | | 1008407870 |
|---|---|---|---|
| ▼ A2 | NE <1/10 | (44 ft. / 0.008 mi.) | Former manufactured Gas Plants |
| | 18 ft. Lower Elevation | 33 ft. Above Sea Level | |

**Worksheet:**

**Impact on Target Property:** VEC Can Be Ruled Out

**Groundwater Flow Gradient:**

Downgradient: YES

**Manufactured Gas Plants: Former manufactured Gas Plants**

No additional information available

| CON ED VEHICLE<br>LANDING RD & FORDHAM RD, BRONX, NY, | | | S106970991 |
|---|---|---|---|
| ▲ B3 | ESE <1/10 | (173 ft. / 0.033 mi.) | Other Standard Environmental Records |
| | 34 ft. Higher Elevation | 85 ft. Above Sea Level | |

**Worksheet:**

**Impact on Target Property:** VEC Can Be Ruled Out

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 0502114 |
| Facility Type: | ER |
| DER Facility ID: | 292663 |
| Site ID: | 346408 |
| DEC Region: | 2 |
| Spill Date: | 5/22/2005 |
| Spill Number/Closed Date: | 0502114 / 5/25/2005 |
| Spill Cause: | Human Error |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | GDBREEN |
| Referred To: | Not Reported |
| Reported to Dept: | 5/22/2005 |
| CID: | 38 |
| Water Affected: | Not Reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 5/22/2005 |
| Spill Record Last Update: | 5/25/2005 |
| Spiller Name: | ERT DESK |
| Spiller Company: | CON EDISON |
| Spiller Address: | Not Reported |
| Spiller City,St,Zip: | ZZ |
| Spiller Company: | 001 |
| Contact Name: | ERT DESK |
| Contact Phone: | (212) 580-8383 |
| DEC Memo: | 158715. 22-May-2005 13:40 hrs. Bx/West EH&S Sr. Specialist J. Feeney # 86854 reported that while observing crews working at Mh # 247 @ Landing Rd & Fordham Rd, in the Bronx. he discovered ~ 4 Ounces of motor oil had been spilled from a portable generator onto bluestone. |

**CON ED VEHICLE, LANDING RD & FORDHAM RD, BRONX, NY (Continued)**

There was/is no smoke, fire or injuries involved. There was/is no sewers, waterways or private property affected. Sr. Specialist J. Feeney # 86854 removed the affected area of bluestone and cleaned the fill port of the generator of any excess motor oil. Generated 1 bag of non-hazardous waste which he will take to temporary non hazardous waste bin at The Van Nest Service Center for disposal. Cleanup complete. R. Browne # 21646Closed.

Remarks: portable generator spilled 4 ounces of motor oil on blue stone. Spill cleaned up by Con Edison. Waste generated 1 bag of non hazardous waste. 158715.

**Material:**

| | |
|---|---|
| Site ID: | 346408 |
| Operable Unit ID: | 1104179 |
| Operable Unit: | 01 |
| Material ID: | 584340 |
| Material Code: | 0015 |
| Material Name: | Motor Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 4 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| BRONX CABLE HOUSE<br>LANDING ROAD/FORDAM RD, BRONX, NY, | | | S106867089 |
|---|---|---|---|
| ▲ B4 | ESE <1/10 | (173 ft. / 0.033 mi.) | Other Standard Environmental Records |
| | 34 ft. Higher Elevation | 85 ft. Above Sea Level | |

**Worksheet:**

**Impact on Target Property:** VEC Can Be Ruled Out

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 0412868 |
| Facility Type: | ER |
| DER Facility ID: | 273817 |
| Site ID: | 338478 |
| DEC Region: | 2 |
| Spill Date: | 3/9/2005 |
| Spill Number/Closed Date: | 0412868 / 8/9/2005 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | JHOCONNE |
| Referred To: | Not Reported |
| Reported to Dept: | 3/9/2005 |
| CID: | 444 |
| Water Affected: | Not Reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/9/2005 |
| Spill Record Last Update: | 8/9/2005 |
| Spiller Name: | ERT DESK |
| Spiller Company: | BRONX CABLE HOUSE |
| Spiller Address: | LANDING ROAD/FORDAM RD |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller Company: | 001 |
| Contact Name: | ERT DESK |
| Contact Phone: | (212) 580-8383 |
| DEC Memo: | e2mis no 15752209-Mar-2005 09:51 D. Rohrer 12788EH&S Manager W. Hedeman 84455 reported while on location for an inspection of the Bronx Cable House discovered 1 quart of cable leaked on concrete from wrapped leaking dead end cables. No sewers, waterways, or private |

**BRONX CABLE HOUSE, LANDING ROAD/FORDAM RD, BRONX, NY (Continued)**

property affected. Env tag 46304 was placed and a pcb sample was taken on EE04834. This is being made a reportable spill due to the planning involved for the cleanup between remediation and scheduling of feeder outages.09-Mar-2005 10:09 D. Rohrer 12788This spill was voided and replaced - this site-previously under WEDS-157522.Lab Sequence Number: 05-02079-001 - PCBs < 1 ppm (BRONX CABLE HOUSE - LANDING N/O FORDHAM)Sample were taken from the floor of structure at each wall. The source of oil is unknown due to multiple "D" Faults. Because the feeders are covered in arc proof tape it is difficult to determine if a feeder is leaking or if it was leaked on from a feeder above. Due to the "D" Faults it is unsafe to enter this structure until every feeder is properly identified and de-energized. Source is potentially several leaking joints, cables or cable ends. When the feeders are taken out of service for repairs and cleanup, each source will be sampled to determine the equipment responsible for the high PCB results. Engineering, the undergroundand EH&S are currently working on a plan to take out every feeder in this structure out of service to determine which sections contain "D" faults. During this outage the leaking sections will be replaced and the cleanup conducted.Lab Sequence Number: 05-03620-001 - TOTAL PCB 5718 ppm (FLOOR OF NORTH WALL)Lab Sequence Number: 05-03620-002 - TOTAL PCB 46 ppm ( FLOOR OF SOUTH WALL )Lab Sequence Number: 05-03620-003 - TOTAL PCB 65 ppm (EAST FLOOR OF NORTHERLY WALL)Lab Sequence Number: 05-03620-004 - TOTAL PCB 12 ppm ( EAST FLOOR OF SOUTHERLY WALL)Walter Hedeman 84455. 21-May-2005 19:30hrs. EH&S Sr. Spec. L. Fischer reports that the intitial cleanup is complete. All 'D' fault feeders were de-energized prior to work within the cable house at Fordham landing. All Arc proofing and spill roll flooring material "carpet" removed and barrelled. Floors and lower wall areas scrubbed twice with 760 soap and spread with speedy dry to absorb and shoveled into barrels. Floor areas were re-carpeted with spill roll and splicers were sent into the cable house with appropriate PPE to begin re-racking of feeders and addressment of 'D' faults. 10 barrels of PCB waste generated and transported to Van Nest Service center under a one-trip rule by tool room personnel. Once all work is complete the floors will be wiped by chem lab technicians for analysis to investigate if cleanup achieved acceptableclearance results. Note,

**BRONX CABLE HOUSE, LANDING ROAD/FORDAM RD, BRONX, NY (Continued)**

sampling and final cleaning are on hold do to sensitivity of feeders and potential for large outage requiring splicing work to progress prior to wipe samples and analysis. C. Blaich 8734831-May-2005 22:40 hrs. UG Env Mech A Esham Gafur 19528 reported cleanup of north east wall and north floor started at 16:30 and completed at 21:30 hours using speedi dri, simplegreen 460 degreaser generating 1 drum of oily haz for PCB waste to be returned to VNSC under 1 trip rule. Partial cleanup complete. 2 empty drums left outside door of cable house for cleanup tomorrow 15:00 shift. Rich Benkwitt 3837301-Jun-2005 22:14 hrs. UG Env Mech A Esham Gafur 19258 reports south floor cleaned with speedi dri, simple green and 760 degreaser generating 1 drum of oily haz waste to betransported under 1 trip rule to Van Nest SC for proper disposal. Gate locked, tag in place and one empty unmarked drum left outside entrance door. Rich Benkwitt 3837321-Jun-2005 16:41. Chem-Lab was cancelled due to the crew's vehicle breaking down as per Oper Superv C. D'Alisera 48339. D. Rohrer 1278822-Jun-2005 18:00 hrs. Flush Mech, Esham Gafur (19528) will assist Astoria Chem Lab in taking 11 wipe samples. The corresponding numbers, 9-10-11-13-14-16-17-21-22-23-24. L Fischer 5578427-June-2005 08:13 Hrs. All 11 wipes samples pass cleanup criteria, spill cleaned up, environmental tag has been removed. 10-samples were less than 1.0 ug/100cm2, 1-samples was 1.2ug/100cm2. Environmental tag has been removed. J.Siesfeld 84253.Closed. 8-9-05. George Breen

| | |
|---|---|
| Remarks: | LEAKING DEAD END CABLES: NO TO 5 QUESTIONS: CONED # 157522: about 1 pint and is contained to asphalt |

**Material:**

| | |
|---|---|
| Site ID: | 338478 |
| Operable Unit ID: | 1100424 |
| Operable Unit: | 01 |
| Material ID: | 580714 |
| Material Code: | 0020B |
| Material Name: | CABLE OIL |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

**BRONX CABLE HOUSE, LANDING ROAD/FORDAM RD, BRONX, NY (Continued)**

| LOT 220,TAXBLOCK 3236<br>205 WEST FORDHAM ROAD, BRONX, NY, 10468 | | | S108983130 |
|---|---|---|---|
| ▲ B5 | ESE <1/10 | (185 ft. / 0.035 mi.) | State and tribal leaking storage tank lists<br>Other Standard Environmental Records |
| | 36 ft. Higher Elevation | 87 ft. Above Sea Level | |

**Worksheet:**

**Impact on Target Property:** VEC Can Be Ruled Out

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**E DESIGNATION: Other Standard Environmental Records**

| | |
|---|---|
| Tax Lot(s): | 220 |
| E-No: | E-189 |
| Effective Date: | 1/9/2008 |
| Satisfaction Date: | Not Reported |
| Ceqr Number: | 06DCP062X |
| Ulurp Number: | 060320ZMX |
| Zoning Map No: | 3c |
| Description: | Underground Gasoline Storage Tanks* Testing Protocol. |
| Borough Code: | BX |
| Community District: | 207 |
| Census Tract: | 269 |
| Census Block: | 2001 |
| School District: | 10 |
| City Council District: | 14 |
| Fire Company: | E081 |
| Health Area: | 21 |
| Police Precinct: | 052 |
| Zone District 1: | R6 |
| Zone District 2: | Not Reported |
| Commercial Overlay1: | C2-4 |
| Commercial Overlay2: | Not Reported |
| Special Purpose District1: | Not Reported |
| Special Purpose District2: | Not Reported |
| All Components1: | C2-4/R6 |
| All Components2: | Not Reported |
| Split Boundary Indicator: | N |
| Building Class: | G6 |
| Land Use Category: | 10 |
| Number of Easements: | 0 |
| Owner, Type of Code: | P |
| Owner Name: | GASETERIA OIL CORP. |
| Lot Area: | 000012978 |
| Total Building Floor Area: | 00000001688 |
| Commercial Floor Area: | 00000001688 |
| Office Floor Area: | 00000000000 |
| Retail Floor Area: | 00000000000 |
| Garage Floor Area: | 00000001688 |
| Storage Floor Area: | 00000000000 |

**LOT 220,TAXBLOCK 3236, 205 WEST FORDHAM ROAD, BRONX, NY 10468 (Continued)**

| | |
|---|---|
| Factory Floor Area: | 00000000000 |
| Other Floor Area: | 00000000000 |
| Floor Area,Total Bld Source Code: | 7 |
| Number of Buildings: | 00001 |
| Number of Floors: | 001.00 |
| Residential Units: | 00000 |
| Non and Residential Units: | 00001 |
| Lot Frontage: | 0181.00 |
| Lot Depth: | 0070.00 |
| Building Frontage: | 0040.00 |
| Building Depth: | 0025.00 |
| Proximity Code: | 1 |
| Irregular Lot Code: | Y |
| Lot Type: | 5 |
| Basement Type Grade: | 5 |
| Land Assessed Value: | 00000059850 |
| Total Assessed Value: | 00000088200 |
| Land Exempt Value: | 00000000000 |
| Total Exempt Value: | 00000000000 |
| Year Built: | 1920 |
| Year Built Code: | Not Reported |
| Year Altered1: | 0000 |
| Year Altered2: | 0000 |
| Historic District Name: | Not Reported |
| Landmark Name: | Not Reported |
| Built Floor Area Ratio-Far: | 0000.13 |
| Maximum Allowable Far: | 02.43 |
| Borough Code: | 2 |
| Borough Tax Block And Lot: | 2032360220 |
| Condominium Number: | 00000 |
| Census Tract 2: | 0269 |
| X Coordinate: | 1009172 |
| Y Coordinate: | 0253550 |
| Zoning Map: | 03C |
| Sanborn Map: | 214 028 |
| Tax Map: | 21111 |
| E Designation No: | Not Reported |
| Date of RPAD Data: | 11/2005 |
| Date of DCAS Data: | 01/2006 |
| Date of Zoning Data: | 11/2005 |
| Date of Major Property Data: | 11/2005 |
| Date of Landmark Data: | 12/2005 |
| Date of Base Map Data: | 01/2006 |
| Date of Mass Appraisal Data: | 11/2005 |
| Date of Political and Adm Data: | 08/2005 |
| Pluto-Base Map Indicator: | 1 |
| Tax Lot(s): | 220 |
| E-No: | E-189 |
| Effective Date: | 1/9/2008 |

**LOT 220,TAXBLOCK 3236, 205 WEST FORDHAM ROAD, BRONX, NY 10468 (Continued)**

| | |
|---|---|
| Satisfaction Date: | Not Reported |
| Ceqr Number: | 06DCP062X |
| Ulurp Number: | 060320ZMX |
| Zoning Map No: | 3c |
| Description: | Window Wall Attenuation & Alternate Ventilation |
| Borough Code: | BX |
| Community District: | 207 |
| Census Tract: | 269 |
| Census Block: | 2001 |
| School District: | 10 |
| City Council District: | 14 |
| Fire Company: | E081 |
| Health Area: | 21 |
| Police Precinct: | 052 |
| Zone District 1: | R6 |
| Zone District 2: | Not Reported |
| Commercial Overlay1: | C2-4 |
| Commercial Overlay2: | Not Reported |
| Special Purpose District1: | Not Reported |
| Special Purpose District2: | Not Reported |
| All Components1: | C2-4/R6 |
| All Components2: | Not Reported |
| Split Boundary Indicator: | N |
| Building Class: | G6 |
| Land Use Category: | 10 |
| Number of Easements: | 0 |
| Owner, Type of Code: | P |
| Owner Name: | GASETERIA OIL CORP. |
| Lot Area: | 000012978 |
| Total Building Floor Area: | 00000001688 |
| Commercial Floor Area: | 00000001688 |
| Office Floor Area: | 00000000000 |
| Retail Floor Area: | 00000000000 |
| Garage Floor Area: | 00000001688 |
| Storage Floor Area: | 00000000000 |
| Factory Floor Area: | 00000000000 |
| Other Floor Area: | 00000000000 |
| Floor Area,Total Bld Source Code: | 7 |
| Number of Buildings: | 00001 |
| Number of Floors: | 001.00 |
| Residential Units: | 00000 |
| Non and Residential Units: | 00001 |
| Lot Frontage: | 0181.00 |
| Lot Depth: | 0070.00 |
| Building Frontage: | 0040.00 |
| Building Depth: | 0025.00 |
| Proximity Code: | 1 |
| Irregular Lot Code: | Y |
| Lot Type: | 5 |
| Basement Type Grade: | 5 |

**LOT 220,TAXBLOCK 3236, 205 WEST FORDHAM ROAD, BRONX, NY 10468 (Continued)**

| | |
|---|---|
| Land Assessed Value: | 00000059850 |
| Total Assessed Value: | 00000088200 |
| Land Exempt Value: | 00000000000 |
| Total Exempt Value: | 00000000000 |
| Year Built: | 1920 |
| Year Built Code: | Not Reported |
| Year Altered1: | 0000 |
| Year Altered2: | 0000 |
| Historic District Name: | Not Reported |
| Landmark Name: | Not Reported |
| Built Floor Area Ratio-Far: | 0000.13 |
| Maximum Allowable Far: | 02.43 |
| Borough Code: | 2 |
| Borough Tax Block And Lot: | 2032360220 |
| Condominium Number: | 00000 |
| Census Tract 2: | 0269 |
| X Coordinate: | 1009172 |
| Y Coordinate: | 0253550 |
| Zoning Map: | 03C |
| Sanborn Map: | 214 028 |
| Tax Map: | 21111 |
| E Designation No: | Not Reported |
| Date of RPAD Data: | 11/2005 |
| Date of DCAS Data: | 01/2006 |
| Date of Zoning Data: | 11/2005 |
| Date of Major Property Data: | 11/2005 |
| Date of Landmark Data: | 12/2005 |
| Date of Base Map Data: | 01/2006 |
| Date of Mass Appraisal Data: | 11/2005 |
| Date of Political and Adm Data: | 08/2005 |
| Pluto-Base Map Indicator: | 1 |

**LTANKS: State and tribal leaking storage tank lists**

| | |
|---|---|
| Site ID: | 214115 |
| Spill Number/Closed Date: | 0230037 / 12/8/2005 |
| Spill Date: | 1/7/2002 |
| Spill Cause: | Tank Failure |
| Spill Source: | Gasoline Station |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | aaobliga |
| Referred To: | NFA |
| Reported to Dept: | 1/7/2002 |
| CID: | Not Reported |
| Water Affected: | Not Reported |
| Spill Notifier: | Other |
| Last Inspection: | Not Reported |

**LOT 220,TAXBLOCK 3236, 205 WEST FORDHAM ROAD, BRONX, NY 10468 (Continued)**

| | |
|---|---|
| Recommended Penalty: | False |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 9/27/2002 |
| Spill Record Last Update: | 12/8/2005 |
| Spiller Name: | ROBERTO |
| Spiller Company: | GASETERIA |
| Spiller Address: | 364 MASPETH AVENUE |
| Spiller City,St,Zip: | BROOKLYN, NY - |
| Spiller County: | 001 |
| Spiller Contact: | ROBERTO |
| Spiller Phone: | (718) 782-4200 |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 177398 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"SPILL TRANSFERRED FROM VOUGHT TO OBLIGADO10/21/05 - Obligado - Baseline Acquisition Assessment Report- (1/10/03), submitted by Delta. In 1/02, 5 soil borings advanced by Whitestone Associates to between 7 and 22 ft bgs. 5 soil samples collected. Only one exceedence for xylene at 1910 ppb. Soil results show total VOC from 30 ppb in SB5 (20-22') to 4194 ppb in SB3(5-7'). Total SVOCs 1991 ppb, no exeedences. No metals exceedences. Delta plans to collect ground water samples once surrounding fence has been demolished so there is acccess for drill rig. 10/21/05 - Obligado - Email correspondence to Brad Fisher asking if ground water samples ever collected.10/26/05 - Obligado - Email from Brad Fisher. BP put development plans on hold. No plans in the near future to bring drill rig to site to collect ground water samples.11/3/05 - Obligado - Send Email to Tomasello inquiring if ASR has done any work at the site. If USTs have been removed.12/7/05 - Obligado - Meeting with DEC, ASR, Gaseteria. Grant NFA, send letter 12/8/05. |
| Remarks: | Contaminated soi found. Data reported to DEC despite knowledge by Gaseteria since 8/5/2002. |

**Material:**

| | |
|---|---|
| Site ID: | 214115 |
| Operable Unit ID: | 866814 |
| Operable Unit: | 01 |
| Material ID: | 509678 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not Reported |
| Material FA: | Petroleum |

**LOT 220,TAXBLOCK 3236, 205 WEST FORDHAM ROAD, BRONX, NY 10468 (Continued)**

| | |
|---|---|
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| 248 W FORDHAM RD<br>248 W FORDHAM RD, BRONX, NY, 10468 | | | 1015360778 |
|---|---|---|---|
| ▲ B6 | SSE <1/10 | (194 ft. / 0.037 mi.) | Historical Gas Stations |
| | 26 ft. Higher Elevation | 77 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**EDR Historical Auto Stations: Historical Gas Stations**

| | |
|---|---|
| Name: | 248 WEST FORDHAM AUTO SOUND INC |
| Year: | 2003 |
| Address: | 248 W FORDHAM RD |

| 254 W FORDHAM RD<br>254 W FORDHAM RD, BRONX, NY, 10468 | | | 1015367327 |
|---|---|---|---|
| ▲ B7 | SSE <1/10 | (220 ft. / 0.042 mi.) | Historical Gas Stations |
| | 26 ft. Higher Elevation | 77 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**EDR Historical Auto Stations: Historical Gas Stations**

Name: SEAMAN MECHANICAL SERVICE INC
Year: 2001
Address: 254 W FORDHAM RD

Name: SEAMAN MECHANICAL SERVICE INC
Year: 2002
Address: 254 W FORDHAM RD

Name: SEAMAN MECHANICAL SERVICE INC
Year: 2004
Address: 254 W FORDHAM RD

Name: SEAMAN MECHANICAL SERVICE INC
Year: 2005
Address: 254 W FORDHAM RD

Name: SEAMAN MECHANICAL SERVICE INC
Year: 2006
Address: 254 W FORDHAM RD

Name: SEAMAN MECHANICAL SERVICE INC
Year: 2007
Address: 254 W FORDHAM RD

Name: SEAMAN MECHANICAL SERVICE INC
Year: 2008
Address: 254 W FORDHAM RD

Name: SEAMAN AUTO REPAIR
Year: 2009
Address: 254 W FORDHAM RD

Name: SEAMAN AUTO REPAIR
Year: 2010
Address: 254 W FORDHAM RD

Name: SEAMAN MECHANICAL SERVICE INC
Year: 2011
Address: 254 W FORDHAM RD

Name: SEAMAN MECHANICAL SERVICE INC
Year: 2012
Address: 254 W FORDHAM RD

| VAULT #900<br>FORDHAM RD/CEDAR RD, BRONX, NY, | | | S106867263 |
|---|---|---|---|
| ▲ C8 | SW <1/10 | (350 ft. / 0.066 mi.) | Other Standard Environmental Records |
| | 6 ft. Higher Elevation | 57 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 0413128 |
| Facility Type: | ER |
| DER Facility ID: | 285597 |
| Site ID: | 338977 |
| DEC Region: | 2 |
| Spill Date: | 3/16/2005 |
| Spill Number/Closed Date: | 0413128 / 6/22/2005 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | SKARAKHA |
| Referred To: | Not Reported |
| Reported to Dept: | 3/16/2005 |
| CID: | 64 |
| Water Affected: | Not Reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/17/2005 |
| Spill Record Last Update: | 6/22/2005 |
| Spiller Name: | ERT DESK |
| Spiller Company: | CON ED |
| Spiller Address: | Not Reported |
| Spiller City,St,Zip: | NY |
| Spiller Company: | 999 |
| Contact Name: | ERT DESK |
| Contact Phone: | (212) 580-8383 |
| DEC Memo: | e2mis no 15763216-Mar-2005 03:48hrs.FOD field Op. A. Martucci discovered approximately 3 gallons of oil on 100 gallons of water. No sewers, waterways or private property affected. ENv. tag 43787 placed in vault. Chain of custody DD13465 tracking a PCB sample. Clean up will be scheduled at 1500hrs pending sample test results.16-Mar-2005 |

**VAULT #900, FORDHAM RD/CEDAR RD, BRONX, NY (Continued)**

20:55hrs.Env. Flush Mech O. Negron 18400 reports partial cleanup completed. Unit is leaking. Fdr Control verifies unit and three sections of cable will be replaced. Once feeder is Live, end capped and setions and vault are isolated, I&A will schedule a removal of the unit with a complete cleanup. CFS tanker took on 100 gallons of liquid for transport and disposal at the Astoria WWTF. Env. vactor took on 85 lbs. of flush debris for transport and disposal at the hellgate flush facility. Env. tag 43787 remains in place. 28-Mar-2005 07:21Lab Sequence Number: 05-02340-001TOTAL PCB 29 ppm29-Mar-2005 15:45 D. Rohrer 12788Flush Mech T. Brown 44432 reports cleanup complete performing a double wash and rinse removing 300 lbs of flush solid debris to be brought to Hellgate Pit for temporary disposal. CFS tanker removed 296 gallons of non-hazardous liquid to be brought to Astoria WWTF. Env tag 43787 was removed and the source of the oil was the transformer which was removed from the structure.

Remarks: Transformer possibly still leaking. Spill was on 100 gallons of water. Spill is contained. Coming off 24 hour program. Con-Ed #157632

**Material:**

| | |
|---|---|
| Site ID: | 338977 |
| Operable Unit ID: | 1100896 |
| Operable Unit: | 01 |
| Material ID: | 581027 |
| Material Code: | 0020A |
| Material Name: | TRANSFORMER OIL |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 3 |
| Units: | Gallons |
| Recovered: | 2 |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| 296 W FORDHAM RD<br>296 W FORDHAM RD, BRONX, NY, 10468 | | | 1015396355 |
|---|---|---|---|
| ▲ C9 | SW <1/10 | (367 ft. / 0.069 mi.) | Historical Gas Stations |
| | 6 ft. Higher Elevation | 57 ft. Above Sea Level | |

**Worksheet:**

**Impact on Target Property:** VEC Likely Exists

**Groundwater Flow Gradient:**

Crossgradient: YES

**EDR Historical Auto Stations: Historical Gas Stations**

| | |
|---|---|
| Name: | AMOCO OIL |
| Year: | 2007 |
| Address: | 296 W FORDHAM RD |
| Name: | B P AMOCO |
| Year: | 2010 |
| Address: | 296 W FORDHAM RD |

| B P PRODUCTS NORTH AMERICA FAC #48369<br>296 W FORDHAM RD, BRONX, NY, | | | 1000253412 |
|---|---|---|---|
| ▲ C10 | SW <1/10 | (367 ft. / 0.069 mi.) | Federal RCRA generators list<br>State and tribal leaking storage tank lists<br>Other Standard Environmental Records |
| | 6 ft. Higher Elevation | 57 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**RCRA-SQG: Federal RCRA generators list**

| | |
|---|---|
| Date form received by agency: | 01/01/2007 |
| Facility name: | B P PRODUCTS NORTH AMERICA FAC #48369 |
| Facility address: | 296 W FORDHAM RD<br>BRONX, NY 10468 |
| EPA ID: | NYD982279101 |
| Mailing address: | PO BOX 6038<br>ARTESIA, CA 907026038 |
| Contact: | PAULA SKRYJA |
| Contact address: | PO BOX 6038<br>ARTESIA, CA 907026038 |
| Contact country: | US |
| Contact telephone: | (410) 551-6074 |
| Contact email: | Not Reported |
| EPA Region: | 02 |
| Classification: | Small Small Quantity Generator |
| Description: | Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time |

**Owner/Operator Summary:**

| | |
|---|---|
| Owner/operator name: | NO NAME FOUND |
| Owner/operator address: | Not Reported |
| Owner/operator country: | US |
| Owner/operator telephone: | Not Reported |
| Legal status: | Private |
| Owner/Operator Type: | Operator |
| Owner/Op start date: | 09/03/2002 |
| Owner/Op end date: | Not Reported |
| Owner/operator name: | NO NAME FOUND |
| Owner/operator address: | Not Reported |
| Owner/operator country: | US |
| Owner/operator telephone: | Not Reported |
| Legal status: | Private |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | 09/03/2002 |
| Owner/Op end date: | Not Reported |

**B P PRODUCTS NORTH AMERICA FAC #48369, 296 W FORDHAM RD, BRONX, NY (Continued)**

**Handler Activities Summary:**

| | |
|---|---|
| U.S. importer of hazardous waste: | No |
| Mixed waste (haz. and radioactive): | No |
| Recycler of hazardous waste: | No |
| Transporter of hazardous waste: | No |
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |
| Used oil fuel burner: | No |
| Used oil processor: | No |
| User oil refiner: | No |
| Used oil fuel marketer to burner: | No |
| Used oil Specification marketer: | No |
| Used oil transfer facility: | No |
| Used oil transporter: | No |

**Historical Generators:**

| | |
|---|---|
| Date form received by agency: | 01/01/2006 |
| Site name: | B P PRODUCTS NORTH AMERICA FAC #48369 |
| Classification: | Conditionally Exempt Small Quantity Generator |
| Date form received by agency: | 04/04/2005 |
| Site name: | B P PRODUCTS NORTH AMERICA FAC #48369 |
| Classification: | Conditionally Exempt Small Quantity Generator |
| Date form received by agency: | 04/25/1995 |
| Site name: | MOBIL OIL CORP |
| Classification: | Not a generator, verified |
| Date form received by agency: | 11/12/1987 |
| Site name: | MOBIL OIL CORP |
| Classification: | Large Quantity Generator |
| Violation Status: | No violations found |

**FINDS: Other Standard Environmental Records**

Registry ID: 110004419497

**Environmental Interest/Information System:**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**RCRA-SQG: Federal RCRA generators list**

| | |
|---|---|
| Date form received by agency: | 01/01/2007 |
| Facility name: | B P PRODUCTS NORTH AMERICA FAC #48369 |
| Facility address: | 296 W FORDHAM RD |

**B P PRODUCTS NORTH AMERICA FAC #48369, 296 W FORDHAM RD, BRONX, NY (Continued)**

| | |
|---|---|
| | BRONX, NY 10468 |
| EPA ID: | NYD982279101 |
| Mailing address: | PO BOX 6038<br>ARTESIA, CA 907026038 |
| Contact: | PAULA SKRYJA |
| Contact address: | PO BOX 6038<br>ARTESIA, CA 907026038 |
| Contact country: | US |
| Contact telephone: | (410) 551-6074 |
| Contact email: | Not Reported |
| EPA Region: | 02 |
| Classification: | Small Small Quantity Generator |
| Description: | Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time |

**Owner/Operator Summary:**

| | |
|---|---|
| Owner/operator name: | NO NAME FOUND |
| Owner/operator address: | Not Reported |
| Owner/operator country: | US |
| Owner/operator telephone: | Not Reported |
| Legal status: | Private |
| Owner/Operator Type: | Operator |
| Owner/Op start date: | 09/03/2002 |
| Owner/Op end date: | Not Reported |
| Owner/operator name: | NO NAME FOUND |
| Owner/operator address: | Not Reported |
| Owner/operator country: | US |
| Owner/operator telephone: | Not Reported |
| Legal status: | Private |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | 09/03/2002 |
| Owner/Op end date: | Not Reported |

**Handler Activities Summary:**

| | |
|---|---|
| U.S. importer of hazardous waste: | No |
| Mixed waste (haz. and radioactive): | No |
| Recycler of hazardous waste: | No |
| Transporter of hazardous waste: | No |
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |
| Used oil fuel burner: | No |
| Used oil processor: | No |
| User oil refiner: | No |
| Used oil fuel marketer to burner: | No |

**B P PRODUCTS NORTH AMERICA FAC #48369, 296 W FORDHAM RD, BRONX, NY (Continued)**

| | |
|---|---|
| Used oil Specification marketer: | No |
| Used oil transfer facility: | No |
| Used oil transporter: | No |

**Historical Generators:**

| | |
|---|---|
| Date form received by agency: | 01/01/2006 |
| Site name: | B P PRODUCTS NORTH AMERICA FAC #48369 |
| Classification: | Conditionally Exempt Small Quantity Generator |
| Date form received by agency: | 04/04/2005 |
| Site name: | B P PRODUCTS NORTH AMERICA FAC #48369 |
| Classification: | Conditionally Exempt Small Quantity Generator |
| Date form received by agency: | 04/25/1995 |
| Site name: | MOBIL OIL CORP |
| Classification: | Not a generator, verified |
| Date form received by agency: | 11/12/1987 |
| Site name: | MOBIL OIL CORP |
| Classification: | Large Quantity Generator |
| Violation Status: | No violations found |

**FINDS: Other Standard Environmental Records**

| | |
|---|---|
| Registry ID: | 110004419497 |

**Environmental Interest/Information System:**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**NJ MANIFEST: Other Standard Environmental Records**

| | |
|---|---|
| EPA Id: | NYD982279101 |
| Mail Address: | P.O. BOX 80249 |
| Mail City/State/Zip: | RANCHO SANTA MA 92688 |
| Facility Phone: | 9494605200 |
| Emergency Phone: | Not Reported |
| Contact: | FRANK LOBELLO |
| Comments: | Not Reported |
| SIC Code: | Not Reported |
| County: | 00 |
| Municipal: | 00 |
| Previous EPA Id: | Not Reported |
| Gen Flag: | X |
| Trans Flag: | Not Reported |
| TSDF Flag: | Not Reported |
| Name Change: | Not Reported |
| Date Change: | Not Reported |

**Manifest:**

**B P PRODUCTS NORTH AMERICA FAC #48369, 296 W FORDHAM RD, BRONX, NY (Continued)**

| | |
|---|---|
| Manifest Number: | NJA5246494 |
| EPA ID: | NYD982279101 |
| Date Shipped: | 12/01/2005 |
| TSDF EPA ID: | NJD991291105 |
| Transporter EPA ID: | NJR000023036 |
| Transporter 2 EPA ID: | Not Reported |
| Transporter 3 EPA ID: | Not Reported |
| Transporter 4 EPA ID: | Not Reported |
| Transporter 5 EPA ID: | Not Reported |
| Transporter 6 EPA ID: | Not Reported |
| Transporter 7 EPA ID: | Not Reported |
| Transporter 8 EPA ID: | Not Reported |
| Transporter 10 EPA ID: | Not Reported |
| Date Trans1 Transported Waste: | 12/01/2005 |
| Date Trans2 Transported Waste: | Not Reported |
| Date Trans3 Transported Waste: | Not Reported |
| Date Trans4 Transported Waste: | Not Reported |
| Date Trans5 Transported Waste: | Not Reported |
| Date Trans6 Transported Waste: | Not Reported |
| Date Trans7 Transported Waste: | Not Reported |
| Date Trans8 Transported Waste: | Not Reported |
| Date Trans9 Transported Waste: | Not Reported |
| Date Trans10 Transported Waste: | Not Reported |
| Date TSDF Received Waste: | 12/01/2005 |
| TSDF EPA Facility Name: | Not Reported |
| QTY Units: | Not Reported |
| Transporter SEQ ID: | Not Reported |
| Transporter-1 Date: | Not Reported |
| Waste SEQ ID: | Not Reported |
| Waste Type Code 2: | Not Reported |
| Waste Type Code 3: | Not Reported |
| Waste Type Code 4: | Not Reported |
| Waste Type Code 5: | Not Reported |
| Waste Type Code 6: | Not Reported |
| Date Accepted: | Not Reported |
| Manifest Discrepancy Type: | Not Reported |
| Data Entry Number: | 02210622 |
| Was Load Rejected: | RANCHO SANTA MA 92688 |
| Reason Load Was Rejected: | Not Reported |

| | |
|---|---|
| Manifest Number: | NJA5246455 |
| EPA ID: | NYD982279101 |
| Date Shipped: | 08/30/2005 |
| TSDF EPA ID: | NJD991291105 |
| Transporter EPA ID: | NJR000023036 |
| Transporter 2 EPA ID: | Not Reported |
| Transporter 3 EPA ID: | Not Reported |
| Transporter 4 EPA ID: | Not Reported |
| Transporter 5 EPA ID: | Not Reported |
| Transporter 6 EPA ID: | Not Reported |

**B P PRODUCTS NORTH AMERICA FAC #48369, 296 W FORDHAM RD, BRONX, NY (Continued)**

| | |
|---|---|
| Transporter 7 EPA ID: | Not Reported |
| Transporter 8 EPA ID: | Not Reported |
| Transporter 10 EPA ID: | Not Reported |
| Date Trans1 Transported Waste: | 08/30/2005 |
| Date Trans2 Transported Waste: | Not Reported |
| Date Trans3 Transported Waste: | Not Reported |
| Date Trans4 Transported Waste: | Not Reported |
| Date Trans5 Transported Waste: | Not Reported |
| Date Trans6 Transported Waste: | Not Reported |
| Date Trans7 Transported Waste: | Not Reported |
| Date Trans8 Transported Waste: | Not Reported |
| Date Trans9 Transported Waste: | Not Reported |
| Date Trans10 Transported Waste: | Not Reported |
| Date TSDF Received Waste: | 08/30/2005 |
| TSDF EPA Facility Name: | Not Reported |
| QTY Units: | Not Reported |
| Transporter SEQ ID: | Not Reported |
| Transporter-1 Date: | Not Reported |
| Waste SEQ ID: | Not Reported |
| Waste Type Code 2: | Not Reported |
| Waste Type Code 3: | Not Reported |
| Waste Type Code 4: | Not Reported |
| Waste Type Code 5: | Not Reported |
| Waste Type Code 6: | Not Reported |
| Date Accepted: | Not Reported |
| Manifest Discrepancy Type: | Not Reported |
| Data Entry Number: | 11230522 |
| Was Load Rejected: | RANCHO SANTA MA 92688 |
| Reason Load Was Rejected: | Not Reported |

| | |
|---|---|
| Manifest Number: | NJA5246534 |
| EPA ID: | NYD982279101 |
| Date Shipped: | 03/01/2006 |
| TSDF EPA ID: | NJD991291105 |
| Transporter EPA ID: | NJR000023036 |
| Transporter 2 EPA ID: | Not Reported |
| Transporter 3 EPA ID: | Not Reported |
| Transporter 4 EPA ID: | Not Reported |
| Transporter 5 EPA ID: | Not Reported |
| Transporter 6 EPA ID: | Not Reported |
| Transporter 7 EPA ID: | Not Reported |
| Transporter 8 EPA ID: | Not Reported |
| Transporter 10 EPA ID: | Not Reported |
| Date Trans1 Transported Waste: | 03/01/2006 |
| Date Trans2 Transported Waste: | Not Reported |
| Date Trans3 Transported Waste: | Not Reported |
| Date Trans4 Transported Waste: | Not Reported |
| Date Trans5 Transported Waste: | Not Reported |
| Date Trans6 Transported Waste: | Not Reported |
| Date Trans7 Transported Waste: | Not Reported |

**B P PRODUCTS NORTH AMERICA FAC #48369, 296 W FORDHAM RD, BRONX, NY (Continued)**

| | |
|---|---|
| Date Trans8 Transported Waste: | Not Reported |
| Date Trans9 Transported Waste: | Not Reported |
| Date Trans10 Transported Waste: | Not Reported |
| Date TSDF Received Waste: | 03/01/2006 |
| TSDF EPA Facility Name: | Not Reported |
| QTY Units: | Not Reported |
| Transporter SEQ ID: | Not Reported |
| Transporter-1 Date: | Not Reported |
| Waste SEQ ID: | Not Reported |
| Waste Type Code 2: | Not Reported |
| Waste Type Code 3: | Not Reported |
| Waste Type Code 4: | Not Reported |
| Waste Type Code 5: | Not Reported |
| Waste Type Code 6: | Not Reported |
| Date Accepted: | Not Reported |
| Manifest Discrepancy Type: | Not Reported |
| Data Entry Number: | 05030621 |
| Was Load Rejected: | RANCHO SANTA MA 92688 |
| Reason Load Was Rejected: | Not Reported |

| | |
|---|---|
| Manifest Number: | NJA5246594 |
| EPA ID: | NYD982279101 |
| Date Shipped: | 05/30/2006 |
| TSDF EPA ID: | NJD991291105 |
| Transporter EPA ID: | NJR000023036 |
| Transporter 2 EPA ID: | Not Reported |
| Transporter 3 EPA ID: | Not Reported |
| Transporter 4 EPA ID: | Not Reported |
| Transporter 5 EPA ID: | Not Reported |
| Transporter 6 EPA ID: | Not Reported |
| Transporter 7 EPA ID: | Not Reported |
| Transporter 8 EPA ID: | Not Reported |
| Transporter 10 EPA ID: | Not Reported |
| Date Trans1 Transported Waste: | 05/30/2006 |
| Date Trans2 Transported Waste: | Not Reported |
| Date Trans3 Transported Waste: | Not Reported |
| Date Trans4 Transported Waste: | Not Reported |
| Date Trans5 Transported Waste: | Not Reported |
| Date Trans6 Transported Waste: | Not Reported |
| Date Trans7 Transported Waste: | Not Reported |
| Date Trans8 Transported Waste: | Not Reported |
| Date Trans9 Transported Waste: | Not Reported |
| Date Trans10 Transported Waste: | Not Reported |
| Date TSDF Received Waste: | 05/30/2006 |
| TSDF EPA Facility Name: | Not Reported |
| QTY Units: | Not Reported |
| Transporter SEQ ID: | Not Reported |
| Transporter-1 Date: | Not Reported |
| Waste SEQ ID: | Not Reported |
| Waste Type Code 2: | Not Reported |

**B P PRODUCTS NORTH AMERICA FAC #48369, 296 W FORDHAM RD, BRONX, NY (Continued)**

| | |
|---|---|
| Waste Type Code 3: | Not Reported |
| Waste Type Code 4: | Not Reported |
| Waste Type Code 5: | Not Reported |
| Waste Type Code 6: | Not Reported |
| Date Accepted: | Not Reported |
| Manifest Discrepancy Type: | Not Reported |
| Data Entry Number: | 07250622 |
| Was Load Rejected: | RANCHO SANTA MA 92688 |
| Reason Load Was Rejected: | Not Reported |

| | |
|---|---|
| Manifest Number: | 001274677JJK |
| EPA ID: | NYD982279101 |
| Date Shipped: | 02/20/2008 |
| TSDF EPA ID: | NJD991291105 |
| Transporter EPA ID: | NJR000023036 |
| Transporter 2 EPA ID: | Not Reported |
| Transporter 3 EPA ID: | Not Reported |
| Transporter 4 EPA ID: | Not Reported |
| Transporter 5 EPA ID: | Not Reported |
| Transporter 6 EPA ID: | Not Reported |
| Transporter 7 EPA ID: | Not Reported |
| Transporter 8 EPA ID: | Not Reported |
| Transporter 10 EPA ID: | Not Reported |
| Date Trans1 Transported Waste: | 02/20/2008 |
| Date Trans2 Transported Waste: | Not Reported |
| Date Trans3 Transported Waste: | Not Reported |
| Date Trans4 Transported Waste: | Not Reported |
| Date Trans5 Transported Waste: | Not Reported |
| Date Trans6 Transported Waste: | Not Reported |
| Date Trans7 Transported Waste: | Not Reported |
| Date Trans8 Transported Waste: | Not Reported |
| Date Trans9 Transported Waste: | Not Reported |
| Date Trans10 Transported Waste: | Not Reported |
| Date TSDF Received Waste: | 02/20/2008 |
| TSDF EPA Facility Name: | Not Reported |
| QTY Units: | Not Reported |
| Transporter SEQ ID: | Not Reported |
| Transporter-1 Date: | Not Reported |
| Waste SEQ ID: | Not Reported |
| Waste Type Code 2: | Not Reported |
| Waste Type Code 3: | Not Reported |
| Waste Type Code 4: | Not Reported |
| Waste Type Code 5: | Not Reported |
| Waste Type Code 6: | Not Reported |
| Date Accepted: | Not Reported |
| Manifest Discrepancy Type: | Not Reported |
| Data Entry Number: | Not Reported |
| Was Load Rejected: | RANCHO SANTA MA 92688 |
| Reason Load Was Rejected: | Not Reported |

**Waste:**

**B P PRODUCTS NORTH AMERICA FAC #48369, 296 W FORDHAM RD, BRONX, NY (Continued)**

| | |
|---|---|
| Manifest Year: | 2008 New Jersey Manifest Data |
| Waste Code: | D018 |
| Hand Code: | H141 |
| Quantity: | 200 P |

**NY MANIFEST: Other Standard Environmental Records**

| | |
|---|---|
| EPA ID: | NYD982279101 |
| Country: | USA |

**Mailing Info:**

| | |
|---|---|
| Name: | AMOCO |
| Contact: | FRANK LOBELLO |
| Address: | PO BOX 80249 |
| City/State/Zip: | RANCHO SANTA MARGARITA, CA 92688 |
| Country: | USA |
| Phone: | 949-460-5200 |

**Manifest:**

| | |
|---|---|
| Document ID: | Not Reported |
| Manifest Status: | Not Reported |
| Trans1 State ID: | NJR000023036 |
| Trans2 State ID: | Not Reported |
| Generator Ship Date: | 02/20/2008 |
| Trans1 Recv Date: | 02/20/2008 |
| Trans2 Recv Date: | Not Reported |
| TSD Site Recv Date: | 02/20/2008 |
| Part A Recv Date: | Not Reported |
| Part B Recv Date: | Not Reported |
| Generator EPA ID: | NYD982279101 |
| Trans1 EPA ID: | Not Reported |
| Trans2 EPA ID: | Not Reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | Not Reported |
| Quantity: | 200.0 |
| Units: | P - Pounds |
| Number of Containers: | 1.0 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | B Incineration, heat recovery, burning. |
| Specific Gravity: | 1.0 |
| Year: | 2008 |
| Manifest Tracking Num: | 001274677JJK |
| Import Ind: | N |
| Export Ind: | N |
| Discr Quantity Ind: | N |
| Discr Type Ind: | Y |
| Discr Residue Ind: | N |

**B P PRODUCTS NORTH AMERICA FAC #48369, 296 W FORDHAM RD, BRONX, NY (Continued)**

| | |
|---|---|
| Discr Partial Reject Ind: | N |
| Discr Full Reject Ind: | N |
| Manifest Ref Num: | Not Reported |
| Alt Fac RCRA Id: | Not Reported |
| Alt Fac Sign Date: | Not Reported |
| Mgmt Method Type Code: | H141 |

| | |
|---|---|
| Document ID: | NJA5246534 |
| Manifest Status: | Not Reported |
| Trans1 State ID: | NJR000023036 |
| Trans2 State ID: | Not Reported |
| Generator Ship Date: | 03/01/2006 |
| Trans1 Recv Date: | 03/01/2006 |
| Trans2 Recv Date: | Not Reported |
| TSD Site Recv Date: | 03/01/2006 |
| Part A Recv Date: | Not Reported |
| Part B Recv Date: | Not Reported |
| Generator EPA ID: | NYD982279101 |
| Trans1 EPA ID: | 56247 |
| Trans2 EPA ID: | Not Reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | D018 - BENZENE 0.5 MG/L TCLP |
| Quantity: | 00200 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 01.00 |
| Year: | 2006 |

| | |
|---|---|
| Document ID: | NJA5246594 |
| Manifest Status: | Not Reported |
| Trans1 State ID: | NJR000023036 |
| Trans2 State ID: | Not Reported |
| Generator Ship Date: | 05/30/2006 |
| Trans1 Recv Date: | 05/30/2006 |
| Trans2 Recv Date: | Not Reported |
| TSD Site Recv Date: | 05/30/2006 |
| Part A Recv Date: | Not Reported |
| Part B Recv Date: | Not Reported |
| Generator EPA ID: | NYD982279101 |
| Trans1 EPA ID: | 56247 |
| Trans2 EPA ID: | Not Reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | D018 - BENZENE 0.5 MG/L TCLP |
| Quantity: | 00200 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | T Chemical, physical, or biological treatment. |

**B P PRODUCTS NORTH AMERICA FAC #48369, 296 W FORDHAM RD, BRONX, NY (Continued)**

| | |
|---|---|
| Specific Gravity: | 01.00 |
| Year: | 2006 |

| | |
|---|---|
| Document ID: | NJA5246494 |
| Manifest Status: | Not Reported |
| Trans1 State ID: | NJR000023036 |
| Trans2 State ID: | Not Reported |
| Generator Ship Date: | 12/01/2005 |
| Trans1 Recv Date: | 12/01/2005 |
| Trans2 Recv Date: | Not Reported |
| TSD Site Recv Date: | 12/01/2005 |
| Part A Recv Date: | Not Reported |
| Part B Recv Date: | Not Reported |
| Generator EPA ID: | NYD982279101 |
| Trans1 EPA ID: | S6847 |
| Trans2 EPA ID: | Not Reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | D018 - BENZENE 0.5 MG/L TCLP |
| Quantity: | 00200 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | T Chemical, physical, or biological treatment. |
| Specific Gravity: | 01.00 |
| Year: | 2005 |

| | |
|---|---|
| Document ID: | NJA5246455 |
| Manifest Status: | Not Reported |
| Trans1 State ID: | NJR000023036 |
| Trans2 State ID: | Not Reported |
| Generator Ship Date: | 08/30/2005 |
| Trans1 Recv Date: | 08/30/2005 |
| Trans2 Recv Date: | Not Reported |
| TSD Site Recv Date: | 08/30/2005 |
| Part A Recv Date: | Not Reported |
| Part B Recv Date: | Not Reported |
| Generator EPA ID: | NYD982279101 |
| Trans1 EPA ID: | 018780 |
| Trans2 EPA ID: | Not Reported |
| TSDF ID: | NJD991291105 |
| Waste Code: | D018 - BENZENE 0.5 MG/L TCLP |
| Quantity: | 00200 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DM - Metal drums, barrels |
| Handling Method: | L Landfill. |
| Specific Gravity: | 01.00 |
| Year: | 2005 |

**LTANKS: State and tribal leaking storage tank lists**

**B P PRODUCTS NORTH AMERICA FAC #48369, 296 W FORDHAM RD, BRONX, NY (Continued)**

| | |
|---|---|
| Site ID: | 165564 |
| Spill Number/Closed Date: | 8701258 / 1/1/1991 |
| Spill Date: | 5/14/1987 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Gasoline Station |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | 1/1/1991 |
| Cleanup Meets Standard: | True |
| SWIS: | 0301 |
| Investigator: | BATTISTA |
| Referred To: | Not Reported |
| Reported to Dept: | 5/14/1987 |
| CID: | Not Reported |
| Water Affected: | Not Reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 5/19/1987 |
| Spill Record Last Update: | 4/21/2010 |
| Spiller Name: | Not Reported |
| Spiller Company: | MOBIL |
| Spiller Address: | 464 DOUGHTY BIVD. |
| Spiller City,St,Zip: | INWOOD, ZZ |
| Spiller County: | 001 |
| Spiller Contact: | Not Reported |
| Spiller Phone: | Not Reported |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 139546 |
| DEC Memo: | Not Reported |
| Remarks: | 1-4000 GALLON TANK HAD A LEAK RATE OF 10GAL/HR. - 5-550GAL. TANKS COULD NOT HOLD PRESSURE. |

**Material:**

| | |
|---|---|
| Site ID: | 165564 |
| Operable Unit ID: | 905731 |
| Operable Unit: | 01 |
| Material ID: | 471205 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | -1 |
| Units: | Not Reported |
| Recovered: | No |
| Resource Affected: | Not Reported |

**B P PRODUCTS NORTH AMERICA FAC #48369, 296 W FORDHAM RD, BRONX, NY (Continued)**

| | |
|---|---|
| Oxygenate: | False |

**Tank Test:**

| | |
|---|---|
| Site ID: | 165564 |
| Spill Tank Test: | 1530823 |
| Tank Number: | Not Reported |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not Reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |

| GASETERIA<br>296 WEST FORDHAM ROAD, BRONX, NY, | | | S100144828 |
|---|---|---|---|
| ▲ C11 | SW <1/10 | (367 ft. / 0.069 mi.) | State and tribal leaking storage tank lists |
| | 6 ft. Higher Elevation | 57 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**LTANKS: State and tribal leaking storage tank lists**

| | |
|---|---|
| Site ID: | 239367 |
| Spill Number/Closed Date: | 8705665 / 12/5/2003 |
| Spill Date: | 10/5/1987 |
| Spill Cause: | Tank Failure |
| Spill Source: | Gasoline Station |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | DXSMITH |
| Referred To: | Not Reported |
| Reported to Dept: | 10/6/1987 |
| CID: | Not Reported |
| Water Affected: | Not Reported |
| Spill Notifier: | Citizen |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 10/20/1987 |
| Spill Record Last Update: | 6/28/2005 |
| Spiller Name: | MIKE MEOLA |
| Spiller Company: | EXXONMOBIL CORPORATION |
| Spiller Address: | 464 DOUGHTY BLVD. |
| Spiller City,St,Zip: | INWOOD, NY 11096 |
| Spiller County: | 001 |
| Spiller Contact: | Not Reported |
| Spiller Phone: | Not Reported |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 196875 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"reassigned from Sullivan to Sigona on 10/30/00.12/5/03-Vought-Reassigned from Sigona to Vought on 12/5/03. Spill closed by Vought due to open spill 0230030 at same location.Bureau B, unassigned, due to low priority. Transferred from |

**GASETERIA, 296 WEST FORDHAM ROAD, BRONX, NY (Continued)**

| | |
|---|---|
| | R-2 on April 27, 2005. Formerly R-2, unassigned |
| Remarks: | TANK FAILURE- UNKNOWN FUEL OIL, TANK IS EMPTY, WILL BE REMOVED TODAY. |

**Material:**

| | |
|---|---|
| Site ID: | 239367 |
| Operable Unit ID: | 909485 |
| Operable Unit: | 01 |
| Material ID: | 468249 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| | |
|---|---|
| Site ID: | 276740 |
| Spill Number/Closed Date: | 8701260 / 2/9/1998 |
| Spill Date: | 5/14/1987 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Unknown |
| Spill Class: | Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | SIGONA |
| Referred To: | Not Reported |
| Reported to Dept: | 5/14/1987 |
| CID: | Not Reported |
| Water Affected: | Not Reported |
| Spill Notifier: | Responsible Party |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 5/19/1987 |
| Spill Record Last Update: | 7/1/2004 |
| Spiller Name: | MIKE MEOLA |
| Spiller Company: | EXXONMOBIL CORPORATION |
| Spiller Address: | 3025 GALLOS ROAD |
| Spiller City,St,Zip: | FAIRFAX, VA |
| Spiller County: | 001 |
| Spiller Contact: | Not Reported |
| Spiller Phone: | Not Reported |

**GASETERIA, 296 WEST FORDHAM ROAD, BRONX, NY (Continued)**

| | |
|---|---|
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 224989 |
| DEC Memo: | Not Reported |
| Remarks: | PRODUCT PUMPED OUT OF TANK. FURTHER INVESTMENT TO BE DONE BY MOBIL. |

**Material:**

| | |
|---|---|
| Site ID: | 276740 |
| Operable Unit ID: | 905735 |
| Operable Unit: | 01 |
| Material ID: | 471207 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| | |
|---|---|
| Site ID: | 276740 |
| Spill Tank Test: | 1530824 |
| Tank Number: | Not Reported |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not Reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |

| | |
|---|---|
| Site ID: | 280649 |
| Spill Number/Closed Date: | 0230030 / 7/26/2007 |
| Spill Date: | 2/7/2002 |
| Spill Cause: | Tank Failure |
| Spill Source: | Gasoline Station |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | 10/31/2006 |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | aaobliga |
| Referred To: | Not Reported |
| Reported to Dept: | 2/7/2002 |
| CID: | Not Reported |
| Water Affected: | Not Reported |
| Spill Notifier: | Other |

**GASETERIA, 296 WEST FORDHAM ROAD, BRONX, NY (Continued)**

| | |
|---|---|
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 9/26/2002 |
| Spill Record Last Update: | 7/26/2007 |
| Spiller Name: | ROBERTO |
| Spiller Company: | GASETERIA |
| Spiller Address: | 364 MASPETH AVENUE |
| Spiller City,St,Zip: | BROOKLYN, NY - |
| Spiller County: | 001 |
| Spiller Contact: | ROBERTO |
| Spiller Phone: | (718) 782-4200 |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 196875 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"12/5/03-Vought-See also closed Spill #8705665.9/20/05 - oBLIGADO -Spill transferred from Vought to obligado12/5/05 - Obligado - File review. Baseline Assessment Report, Delta, 10/3/02. At time of assessment site was an active Gaseteria with 3 4000 gallon gasoline USTs and 1 4000 gallon diesel UST installed in 1989. Sensitiver receptor survey shows Harlem River located 375 ft west, no wells within 1 mile, Bronx Community college is located 375 ft to the southeast. 1 park 375 ft north. Commercial/residential buliding with basement 20 ft south. Ground water at 10 to 13 ft bgs and flows west. Soil is brown fine to coarse sand with gravel. Weathered rock from 7 to 11 ft bgs. Bedrock at between 2 and 11 ft. 4 soil borings advanced and 4 soil samples collected. Soil results show only one impact of 1720 ppb MTBE. 4 temporary ground water wells installed into bedrock. Ground Water results in ppb:(2/7/02)MW1 - 5.67 benzene, 33.2 toluene, 10.2 ethylbenzene, 158 xylenes, 876 MTBE, 207 BTEX, 1236 VOCsMW3 - 5.49 toluene, 11.5 xylenes, 20 BTEX, 436 MTBE, 478 VOCsMW4 - 2.52 benzene, 6.59 xylenes, 493 MTBE, 12 BTEX, 528 VOCsMW5 - 239 MTBERCRA Mettals - MW1 - 1800 ppb chromium, 7040 ppb barium, 2160 ppb lead(8/7/05)MW1 - 37.3 benzene, 292 MTBE, 39 BTEX, 335 VOCsMW3 - 239 L benzene, 10.5 toluene, 6.77 ethlybenzene, 5730 MTBE, 6020 VOCsMW4 - 19 benzene, 749 MTBE, 19 BTEX, 768 VOCsMW5 - 208 L MTBEUST Closure Report, AGS, January 2004. USTs, piping, dispensers removed Dec 03. Soil endpoint samples show now VOCS above SCOs. Some PAH exceedences. Ground water sample from excavation show 350 ppb benzene, 1300 ppb toluene, 200 ppb ethylbenzene, 1430 ppb xylenes, 21000 ppb MTBE, 3280 |

**GASETERIA, 296 WEST FORDHAM ROAD, BRONX, NY (Continued)**

BTEX. EXcavated soil was used as backfill. Conclusions: "the operation of this site as a gasoline service station has caused impact to the subsurface soils to warrant further environmental site assessment or action. Upon completion of rebuild activities, AGS on behalf of Gaseteria will prepare a subsurface investigation workplan for NYSDEC approval which will outline additional field activities to investigate and delineate the detected contaminants."UST Closure Report Addendum, AGS, September 2004. Remaining product supply piping under the concrete to the pump islands were removed to facilitate replacment with new BP piping. 5 soil samples were collected from 4-6 inches below the trench bottom. 1 sample was collected from under each of the four removed pump islands and 1 sample from adjacent to the Kiosk. Soil Results in PPB:P3 piping - 3680 xyleneP4 piping - 2100 toluene, 300000 xylene, TOTAL VOCs : 977110P5 piping - 50000 toluene, 91000 ethylbenzene, 318000 xylenes, TOTAL VOCs : 1247000"The data set indicates very high VOCs; however, the lack of benzene and low MTBE relative to overall concentration is not typical of gasoline. The elevated level of napthalene may indicate diesel fuel; however, no corresponding SVOC's were detected". "Upon completion of the rebuillding activities AGS will prepare a Subsurface Investigation Work Plan".6/2/06 - Obligado - Reviewed subsurface investigation workplan. Proposes 4 monitoring wells to be installed into bedrock. 6/6/06 - Obligado - Sent email to Steve Muller approving workplan with minor adjustments to boring locations. Due date for summary report is 8/8/06.7/19/06 - Obligado - Meeting with Gaseteria, ASR, DEC on 7/19/06. Wells have been installed at the site. Gaseteria will submit a schedule for submission of work.9/12/06 - Obligado - Emailed multi-site stipulation agreement to Gaseteria on 9/8/06. Sent original on 9/12/06. Due date for ISR according to DEC approved Corrective Action schedule is 11/1/*06. 10/31/06 - Obligado - Multi Site Stipulation executed by Oliva on 10/31/0612/6/06 - Obligado - Review ISR, submitted by ASR, dated 10/31/06. 3 monitoring wells installed. MW1 was to turbid for sampling. MW2 and MW3 were both nondetect. Recommended 2 additional monitoring wells. I sent an email to Steve Muller requiring Supplemental Investigation Workplan for additional monitoring wells and MW1 redevelopment submission by 1/6/07.2/7/07 - Obligado - Review SIWP. Proposes 2 additional wells

**GASETERIA, 296 WEST FORDHAM ROAD, BRONX, NY (Continued)**

in the sidwalk west of the site and redevelopment of MW1. Approve of workplan with modification to attempt to collect soil samples via HSA and split spoons prior to switching to air rotary.3/7/07 - Obligado - Sent sidewalk opening letter to Steve Muller.6/1/07 - Obligado - Received ISR via email.7/27/07 - Obligado - Final summary report submitted. 2 additional wells were installed west of down gradient of tankfield. During installation, 1 soil sample was collected for lab analysis, no VOCs detected in this sample. Ground water samples were collected. MW1 thorugh MW3 were all ND, MW4 and M5 had minor exceedences of TOGS. MW4 had 65 ppb total BTEX, MW5 had 42 total BTEX. The report requested closure due to low numbers. I had a meeting with JOe Sun to discuss this site. Agree to spill closure based on the following. 1) Relatively low concentrations, exceedences of TOGS for only 3-4 compounds in two wells. GW concentrations are significantly lower down those found in Delta baseline assessment, suggesting natural attenduation is occurring 2) No receptors immediately down gradient, immediately down gradient of the site is a major deegan expressway which is an 8 lane highway (including service roads). Downgradient of the highway, according to the ASR report are industrial/commercial buildings. 3) Sensitive receptor survey was previously completed by DElta in 2002. According to this survey, no potable wells within 1 mile. Nearest surface water body is harlem river, 375 ft west of the site. However, due to small size and very low concentrations of contamination in gw, plume eminating from this site most likely will not reach or impact this river. There is a residential building with basement to the south, however, southern most well MW1 was ND so plume does not pose a risk in this dieection. The Data from this site do not indicate potential adverse impacts to human health and the environment. This spill is closed. I emailed an NFA letter to Gaseteria.

Remarks: contaminated soil and groundwater found. Delta reported spill to DEC despite Gaseteria knowledge as of 8/5/2002.

**Material:**

| | |
|---|---|
| Site ID: | 280649 |
| Operable Unit ID: | 866812 |
| Operable Unit: | 01 |
| Material ID: | 509671 |
| Material Code: | 0009 |

**GASETERIA, 296 WEST FORDHAM ROAD, BRONX, NY (Continued)**

| | |
|---|---|
| Material Name: | Gasoline |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| FORDHAM RD / SEDGEWICK AV<br>FORDHAM RD / SEDGEWICK AV, BRONX, NY, | | | S102147725 |
|---|---|---|---|
| ▲ D12 | E <1/10 | (382 ft. / 0.072 mi.) | Other Standard Environmental Records |
| | 46 ft. Higher Elevation | 97 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 9313155 |
| Facility Type: | ER |
| DER Facility ID: | 212407 |
| Site ID: | 259732 |
| DEC Region: | 2 |
| Spill Date: | 2/7/1994 |
| Spill Number/Closed Date: | 9313155 / 2/7/1994 |
| Spill Cause: | Traffic Accident |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | HEALY |
| Referred To: | Not Reported |
| Reported to Dept: | 2/7/1994 |
| CID: | Not Reported |
| Water Affected: | Not Reported |
| Spill Source: | Commercial Vehicle |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | 2/7/1994 |
| Cleanup Meets Std: | True |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2/11/1994 |
| Spill Record Last Update: | 9/30/2004 |
| Spiller Name: | Not Reported |
| Spiller Company: | SANITATION DEPT. |
| Spiller Address: | Not Reported |
| Spiller City,St,Zip: | NY |
| Spiller Company: | 999 |
| Contact Name: | Not Reported |
| Contact Phone: | Not Reported |
| DEC Memo: | Not Reported |
| Remarks: | TRAFFIC ACCIDENT INVOLVED GARBAGE TRUCK FUEL OIL ENTERED CATCH BASIN. NO WATER CONTRACT. POLICE ON SCENE - DEP NOTIFIED - NO CALL BACK NECESSARY. |

**Material:**

**FORDHAM RD / SEDGEWICK AV, FORDHAM RD / SEDGEWICK AV, BRONX, NY (Continued)**

| | |
|---|---|
| Site ID: | 259732 |
| Operable Unit ID: | 991611 |
| Operable Unit: | 01 |
| Material ID: | 388546 |
| Material Code: | 0008 |
| Material Name: | Diesel |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 50 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| MANHOLE # 29002<br>W FORDHAM RD/SEDGWICK AV, BRONX, NY, | | | S106017491 |
|---|---|---|---|
| ▲ D13 | E <1/10 | (382 ft. / 0.072 mi.) | Other Standard Environmental Records |
| | 46 ft. Higher Elevation | 97 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 0305541 |
| Facility Type: | ER |
| DER Facility ID: | 224698 |
| Site ID: | 276384 |
| DEC Region: | 2 |
| Spill Date: | 8/25/2003 |
| Spill Number/Closed Date: | 0305541 / 7/21/2005 |
| Spill Cause: | Unknown |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | JHOCONNE |
| Referred To: | Not Reported |
| Reported to Dept: | 8/25/2003 |
| CID: | 281 |
| Water Affected: | Not Reported |
| Spill Source: | Unknown |
| Spill Notifier: | Affected Persons |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 8/25/2003 |
| Spill Record Last Update: | 7/21/2005 |
| Spiller Name: | Not Reported |
| Spiller Company: | UNKNOWN |
| Spiller Address: | Not Reported |
| Spiller City,St,Zip: | NY |
| Spiller Company: | 999 |
| Contact Name: | LARRY COSTA |
| Contact Phone: | (212) 580-6763 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"e2mis no. 150-005:On August 25, 2003, R. Davis, 15700 of M & C reported while doing routine inspection on manhole 29002, feeder M51 approximately 3 gallons of unknown oil and approximately 3800 gallons of water was discovered in the manhole. Samples will be |

**MANHOLE # 29002, W FORDHAM RD/SEDGWICK AV, BRONX, NY (Continued)**

taken. Cause and source of spill is unknown at present. UPDATEPer C. Serano supervisor of M & C, the amount of unknown oil has been changed from 3 to 6 gallons.Subsequent to the spill event, irregularity repairs were performed in manhole 29002 on 9/10/2003 as indicated by MAXIMO work order # 0000209172. This would indicate that the spill which occurred previous to this maintenance was cleaned and the report should have been closed. A stop time of 9/10/03, 12:00hrs is being assigned to this spill.

Remarks: Above material discovered spilled at above locaiton on top of 3800 gallons of water. Sample taken and cleanup is pending test results.Con Ed # 150005.

**Material:**

| | |
|---|---|
| Site ID: | 276384 |
| Operable Unit ID: | 872138 |
| Operable Unit: | 01 |
| Material ID: | 502792 |
| Material Code: | 0066A |
| Material Name: | UNKNOWN PETROLEUM |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 6 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| SPILL NUMBER 0308926<br>FORDHAM RD & SEDGWICK AVE, BRONX, NY, | | | S106125036 |
|---|---|---|---|
| ▲ D14 | E <1/10 | (382 ft. / 0.072 mi.) | Other Standard Environmental Records |
| | 46 ft. Higher Elevation | 97 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 0308926 |
| Facility Type: | ER |
| DER Facility ID: | 73144 |
| Site ID: | 78613 |
| DEC Region: | 2 |
| Spill Date: | 11/21/2003 |
| Spill Number/Closed Date: | 0308926 / 11/25/2003 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | MCTIBBE |
| Referred To: | Not Reported |
| Reported to Dept: | 11/21/2003 |
| CID: | 205 |
| Water Affected: | Not Reported |
| Spill Source: | Commercial Vehicle |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 11/21/2003 |
| Spill Record Last Update: | 12/1/2003 |
| Spiller Name: | CALLER |
| Spiller Company: | NYC TRANSIT |
| Spiller Address: | 370 JAY ST |
| Spiller City,St,Zip: | BROOKLYN, NY - |
| Spiller Company: | 001 |
| Contact Name: | CALLER |
| Contact Phone: | Not Reported |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"2 gallons of power steering fluid was spilled from a ruptured line on a bus. Most of the product was cleaned by NYCT but some entered to sewer. Product was unrecoverable because the sewer was flowing. NYC DEP was notified (718603). |

**SPILL NUMBER 0308926, FORDHAM RD & SEDGWICK AVE, BRONX, NY (Continued)**

| | |
|---|---|
| Remarks: | BROKEN HOSE.CLEANUP STARTED. |

**Material:**

| | |
|---|---|
| Site ID: | 78613 |
| Operable Unit ID: | 877552 |
| Operable Unit: | 01 |
| Material ID: | 498839 |
| Material Code: | 1511A |
| Material Name: | POWER STEERING FLUID |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 2 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| SPILL NUMBER 0204153<br>SEDGWICK AV & FORDHAM RD, BRONX, NY, | | | S106005785 |
|---|---|---|---|
| ▲ D15 | E <1/10 | (382 ft. / 0.072 mi.) | Other Standard Environmental Records |
| | 46 ft. Higher Elevation | 97 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 0204153 |
| Facility Type: | ER |
| DER Facility ID: | 186320 |
| Site ID: | 225731 |
| DEC Region: | 2 |
| Spill Date: | 7/21/2002 |
| Spill Number/Closed Date: | 0204153 / 8/5/2002 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | MCTIBBE |
| Referred To: | Not Reported |
| Reported to Dept: | 7/21/2002 |
| CID: | 270 |
| Water Affected: | Not Reported |
| Spill Source: | Commercial Vehicle |
| Spill Notifier: | Affected Persons |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 7/21/2002 |
| Spill Record Last Update: | 8/12/2002 |
| Spiller Name: | CALLER |
| Spiller Company: | NYC TRANSIT |
| Spiller Address: | 370 JAY ST |
| Spiller City,St,Zip: | BROOKLYN, NY 11201- |
| Spiller Company: | 001 |
| Contact Name: | CALLER |
| Contact Phone: | Not Reported |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"1 PINT OF SPILLED INTO SEWER. NO RECOVERY. |
| Remarks: | poss broken line on veh. some went into sewer |

**Material:**

| | |
|---|---|
| Site ID: | 225731 |

**SPILL NUMBER 0204153, SEDGWICK AV & FORDHAM RD, BRONX, NY (Continued)**

| | |
|---|---|
| Operable Unit ID: | 856953 |
| Operable Unit: | 01 |
| Material ID: | 518412 |
| Material Code: | 0043A |
| Material Name: | ANTIFREEZE |
| Case No.: | Not Reported |
| Material FA: | Other |
| Quantity: | 1 |
| Units: | Gallons |
| Recovered: | Yes |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| 320 W FORDHAM RD<br>320 W FORDHAM RD, BRONX, NY, 10468 | | | 1015421911 |
|---|---|---|---|
| ▲ C16 | SW <1/10 | (383 ft. / 0.073 mi.) | Historical Gas Stations |
| | 7 ft. Higher Elevation | 58 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**EDR Historical Auto Stations: Historical Gas Stations**

| | |
|---|---|
| Name: | DON GLO AUTO SRVC CTR OF MNHTN |
| Year: | 2001 |
| Address: | 320 W FORDHAM RD |

| | |
|---|---|
| Name: | DON GLO AUTO SRVC CTR OF MNHTN |
| Year: | 2002 |
| Address: | 320 W FORDHAM RD |

| 2269 HAMPDEN PLACE<br>2269 HAMPDEN PLACE, BRONX, NY, | | | S105998602 |
|---|---|---|---|
| ▲ C17 | S <1/10 | (383 ft. / 0.073 mi.) | State and tribal leaking storage tank lists |
| | 36 ft. Higher Elevation | 87 ft. Above Sea Level | |

**Worksheet:**

**Impact on Target Property:** VEC Can Be Ruled Out

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**LTANKS: State and tribal leaking storage tank lists**

| | |
|---|---|
| Site ID: | 242309 |
| Spill Number/Closed Date: | 0300149 / 4/4/2003 |
| Spill Date: | 4/4/2003 |
| Spill Cause: | Tank Overfill |
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | JBVOUGHT |
| Referred To: | Not Reported |
| Reported to Dept: | 4/4/2003 |
| CID: | 199 |
| Water Affected: | Not Reported |
| Spill Notifier: | Responsible Party |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 4/4/2003 |
| Spill Record Last Update: | 4/4/2003 |
| Spiller Name: | Not Reported |
| Spiller Company: | AMERADA HESS |
| Spiller Address: | Not Reported |
| Spiller City,St,Zip: | NY |
| Spiller County: | 999 |
| Spiller Contact: | EMILIANA CABRERA |
| Spiller Phone: | (212) 543-2515 |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 199116 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"DEC Sigona contacted Hess at 12:15 left message for Raymond Soja requesting call back at 718-482-4651. Contacted Ms. Cabrera who said oil spilled into basement causing odors in the building. No response by oil company as of 12:15 PM.DEC Vought to perform field |

**2269 HAMPDEN PLACE, 2269 HAMPDEN PLACE, BRONX, NY (Continued)**

| | |
|---|---|
| | response.4/4/2003-Vought-Site visit by Vought. Spill came out of vent pipe and also out of top of tank manway onto tank room floor. Spill is #4 fuel oil from 5000 gallon AST. Spill entered sump pit. Vought notiified NYDEP (DEP#600189). Delivery company was T&S Trucking. Eastmond & Sons will be performing cleanup (powerwash sidewalk, basement, and sump pit).Tank room foor and walls sealed with epoxy with no pathways (cracks) to subsurface. Spill closed by Vought. |
| Remarks: | Caller states customer overordered - clean up company enrouteat this time - all materal spilled to ground - no sewers |

**Material:**

| | |
|---|---|
| Site ID: | 242309 |
| Operable Unit ID: | 868462 |
| Operable Unit: | 01 |
| Material ID: | 508227 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 25 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| MANHOLE 29002<br>FORDHAM RD & SEDGWICK, BRONX, NY, | | | S106014221 |
|---|---|---|---|
| ▲ D18 | E <1/10 | (387 ft. / 0.073 mi.) | Other Standard Environmental Records |
| | 46 ft. Higher Elevation | 97 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 0301808 |
| Facility Type: | ER |
| DER Facility ID: | 231856 |
| Site ID: | 286066 |
| DEC Region: | 2 |
| Spill Date: | 5/20/2003 |
| Spill Number/Closed Date: | 0301808 / 8/18/2009 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | JMKRIMGO |
| Referred To: | Not Reported |
| Reported to Dept: | 5/20/2003 |
| CID: | 205 |
| Water Affected: | Not Reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 5/20/2003 |
| Spill Record Last Update: | 8/18/2009 |
| Spiller Name: | CALLER |
| Spiller Company: | CON ED |
| Spiller Address: | 4 IRVING PLACE |
| Spiller City,St,Zip: | MANHATTAN, NY - |
| Spiller Company: | 001 |
| Contact Name: | CALLER |
| Contact Phone: | Not Reported |
| DEC Memo: | 08/18/09 - See eDocs for Con Ed report detailing cleanup and closure.Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"E2MIS 148427Alice F. Williams. Employee # 75829, Transmission Operations Department, reports: May 20, 2003 @ 12:30 Hrs. Andrew O'Connell, Employee # 19949, Splicer working for |

**MANHOLE 29002, FORDHAM RD & SEDGWICK, BRONX, NY (Continued)**

| | |
|---|---|
| | Transmission Operations Department, was assigned to routine manhole inspections and reported finding approximately 15 gallons of oil on top of approximately 1,000 gallons of water in Manhole 29002, Feeder 51/52. The spill is contained in the manhole. Warning Tag # 3422 is installed. Chem Lab will be notified to collect samples of the substance. Cleanup is expected to take place within 24 hours. Supervisor, Fred Acosta, Employee # 15856, is working on this incident.Spill checklistSamples ID # 0304212-001 <1ppm PCBsCleanup activities: Removed liquids and solids, removed visible traces of oil, washed stained area.Contractor: Clean VentureCleanup completed: 5-20-03 1945hrsManifest: NJA4116480 |
| Remarks: | LEAK IN MANHOLE. CON ED # 148427. |

**Material:**

| | |
|---|---|
| Site ID: | 286066 |
| Operable Unit ID: | 868364 |
| Operable Unit: | 01 |
| Material ID: | 506296 |
| Material Code: | 0541A |
| Material Name: | DIELECTRIC FLUID |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 15 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| 2304 SEDGWICK AVE<br>2304 SEDGWICK AVE, BRONX, NY, 10468 | | | 1015023234 |
|---|---|---|---|
| ▲ D19 | E <1/10 | (389 ft. / 0.074 mi.) | Historical Dry Cleaners |
| | 46 ft. Higher Elevation | 97 ft. Above Sea Level | |

**Worksheet:**

**Impact on Target Property:** VEC Can Be Ruled Out

**Groundwater Flow Gradient:**

Crossgradient: YES

**EDR Historical Cleaners: Historical Dry Cleaners**

Name: JB LAUNDROMAT GROUP INC
Year: 2003
Address: 2304 SEDGWICK AVE

Name: J & B LAUNDROMAT
Year: 2004
Address: 2304 SEDGWICK AVE

Name: J & B LAUNDROMAT
Year: 2006
Address: 2304 SEDGWICK AVE

Name: J & B LAUNDROMAT
Year: 2008
Address: 2304 SEDGWICK AVE

Name: J & B LAUNDROMAT
Year: 2009
Address: 2304 SEDGWICK AVE

Name: J & B LAUNDROMAT
Year: 2010
Address: 2304 SEDGWICK AVE

Name: J & B LAUNDROMAT
Year: 2011
Address: 2304 SEDGWICK AVE

| 2302 SEDGWICK AVE<br>2302 SEDGWICK AVE, BRONX, NY, 10468 | | | 1015023175 |
|---|---|---|---|
| ▲ D20 | E <1/10 | (392 ft. / 0.074 mi.) | Historical Dry Cleaners |
| | 47 ft. Higher Elevation | 98 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**EDR Historical Cleaners: Historical Dry Cleaners**

| | |
|---|---|
| Name: | J & B LAUNDROMAT |
| Year: | 2007 |
| Address: | 2302 SEDGWICK AVE |

| FORDHAM ROAD/MAJOR DEEGAN<br>FORDHAM ROAD/MAJOR DEEGAN, NEW YORK CITY, NY, | | | S102144694 |
|---|---|---|---|
| ▼ C21 | WSW <1/10 | (395 ft. / 0.075 mi.) | Other Standard Environmental Records |
| | 10 ft. Lower Elevation | 41 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 8703950 |
| Facility Type: | ER |
| DER Facility ID: | 223598 |
| Site ID: | 274943 |
| DEC Region: | 2 |
| Spill Date: | 8/12/1987 |
| Spill Number/Closed Date: | 8703950 / 8/14/1987 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Not Reported |
| SWIS: | 0301 |
| Investigator: | UNASSIGNED |
| Referred To: | Not Reported |
| Reported to Dept: | 8/12/1987 |
| CID: | Not Reported |
| Water Affected: | HUDSON RIVER |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Notifier: | Local Agency |
| Cleanup Ceased: | 8/14/1987 |
| Cleanup Meets Std: | True |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 8/18/1987 |
| Spill Record Last Update: | 10/7/1988 |
| Spiller Name: | Not Reported |
| Spiller Company: | NYCDEP |
| Spiller Address: | Not Reported |
| Spiller City,St,Zip: | NY |
| Spiller Company: | 999 |
| Contact Name: | Not Reported |
| Contact Phone: | Not Reported |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "<br>"10/10/95: This is additional information about material spilled from<br>the translation of the old spill file: 3.1 MILLION / DAY |
| Remarks: | 3.1 MGD BY-PASS, LOSS SLUICE REGULATOR # 66, WAS FOUND PARTIALLY OPENENDED ON 08/13/87. NYCDEP ITEM # 1057 |

**FORDHAM ROAD/MAJOR DEEGAN, FORDHAM ROAD/MAJOR DEEGAN, NEW YORK CITY, NY (Continued)**

**Material:**

**Tank Test:**

| MAJOR DEACON EXPRESSWAY<br>WEST FORDHAM ROAD, BRONX, NY, | | | S106721224 |
|---|---|---|---|
| ▼ C22 | WSW <1/10 | (395 ft. / 0.075 mi.) | Other Standard Environmental Records |
| | 10 ft. Lower Elevation | 41 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 0407793 |
| Facility Type: | ER |
| DER Facility ID: | 267491 |
| Site ID: | 332335 |
| DEC Region: | 2 |
| Spill Date: | 10/14/2004 |
| Spill Number/Closed Date: | 0407793 / 10/18/2004 |
| Spill Cause: | Equipment Failure |
| Spill Class: | c4 |
| SWIS: | 0301 |
| Investigator: | SMSANGES |
| Referred To: | Not Reported |
| Reported to Dept: | 10/14/2004 |
| CID: | 444 |
| Water Affected: | Not Reported |
| Spill Source: | Commercial Vehicle |
| Spill Notifier: | Fire Department |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 10/14/2004 |
| Spill Record Last Update: | 10/18/2004 |
| Spiller Name: | NICHOLAS |
| Spiller Company: | NICOLAS COLARO TRUCKING |
| Spiller Address: | PO BOX 410 |
| Spiller City,St,Zip: | THIELLS, NY 10984 |
| Spiller Company: | 001 |
| Contact Name: | NYC HAZMAT |
| Contact Phone: | (917) 769-0483 |
| DEC Memo: | Not Reported |
| Remarks: | STRAP TO TRACTOR TRAILER SADDLE TANK BROKE AND CAUSED THE TANK TO FALL OFF AND DRAG: HAZMAT ON SCENE T O CLEAN |

**Material:**

| | |
|---|---|
| Site ID: | 332335 |

**MAJOR DEACON EXPRESSWAY, WEST FORDHAM ROAD, BRONX, NY (Continued)**

| | |
|---|---|
| Operable Unit ID: | 1094583 |
| Operable Unit: | 01 |
| Material ID: | 574691 |
| Material Code: | 0008 |
| Material Name: | Diesel |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 25 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| MAJOR DEEGAN EXPRESS AND FORDOM RD, BRONX, NY, | | | S104284084 |
|---|---|---|---|
| ▼ C23 | WSW <1/10 | (395 ft. / 0.075 mi.) | Other Standard Environmental Records |
| | 10 ft. Lower Elevation | 41 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 9909964 |
| Facility Type: | ER |
| DER Facility ID: | 178999 |
| Site ID: | 216192 |
| DEC Region: | 2 |
| Spill Date: | 11/17/1999 |
| Spill Number/Closed Date: | 9909964 / 3/4/2003 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | TOMASELLO |
| Referred To: | Not Reported |
| Reported to Dept: | 11/17/1999 |
| CID: | 257 |
| Water Affected: | Not Reported |
| Spill Source: | Commercial Vehicle |
| Spill Notifier: | Fire Department |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 11/17/1999 |
| Spill Record Last Update: | 3/4/2003 |
| Spiller Name: | Not Reported |
| Spiller Company: | HESS |
| Spiller Address: | Not Reported |
| Spiller City,St,Zip: | ZZ - |
| Spiller Company: | 001 |
| Contact Name: | Not Reported |
| Contact Phone: | Not Reported |
| DEC Memo: | Not Reported |
| Remarks: | being cleaned up now |

**Material:**

| | |
|---|---|
| Site ID: | 216192 |
| Operable Unit ID: | 1088658 |

**MAJOR DEEGAN EXPRESS, AND FORDOM RD, BRONX, NY (Continued)**

| | |
|---|---|
| Operable Unit: | 01 |
| Material ID: | 299025 |
| Material Code: | 0012A |
| Material Name: | Kerosene |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 10 |
| Units: | Gallons |
| Recovered: | 10 |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| WEST FORDHAM ROAD<br>WEST FORDHAM ROAD @DEGAN, BRONX, NY, | | | S102663631 |
|---|---|---|---|
| ▼ C24 | WSW <1/10 | (395 ft. / 0.075 mi.) | Other Standard Environmental Records |
| | 10 ft. Lower Elevation | 41 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 9707112 |
| Facility Type: | ER |
| DER Facility ID: | 219617 |
| Site ID: | 269672 |
| DEC Region: | 2 |
| Spill Date: | 9/16/1997 |
| Spill Number/Closed Date: | 9707112 / 9/16/1997 |
| Spill Cause: | Traffic Accident |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | LUCE |
| Referred To: | Not Reported |
| Reported to Dept: | 9/16/1997 |
| CID: | 205 |
| Water Affected: | Not Reported |
| Spill Source: | Commercial Vehicle |
| Spill Notifier: | Fire Department |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 9/16/1997 |
| Spill Record Last Update: | 9/25/1997 |
| Spiller Name: | Not Reported |
| Spiller Company: | UNKNOWN |
| Spiller Address: | Not Reported |
| Spiller City,St,Zip: | NY |
| Spiller Company: | 999 |
| Contact Name: | CALLER |
| Contact Phone: | (718) 430-0200 |
| DEC Memo: | Not Reported |
| Remarks: | truck overturned, poss spill to sewer. fd on scene. |

**Material:**

| | |
|---|---|
| Site ID: | 269672 |
| Operable Unit ID: | 1053343 |

**WEST FORDHAM ROAD, WEST FORDHAM ROAD @DEGAN, BRONX, NY (Continued)**

| | |
|---|---|
| Operable Unit: | 01 |
| Material ID: | 566629 |
| Material Code: | 0008 |
| Material Name: | Diesel |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |
| Site ID: | 269672 |
| Operable Unit ID: | 1053343 |
| Operable Unit: | 01 |
| Material ID: | 566630 |
| Material Code: | 0021 |
| Material Name: | Transmission Fluid |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| EXTERIOR ST - LANDING RD<br>EXTERIOR ST - LANDING RD, BRONX, NY, | | | S102180138 |
|---|---|---|---|
| ▼ E25 | WNW <1/10 | (430 ft. / 0.081 mi.) | Other Standard Environmental Records |
| | 51 ft. Lower Elevation | 0 ft. Below Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Downgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 9508967 |
| Facility Type: | ER |
| DER Facility ID: | 141561 |
| Site ID: | 168036 |
| DEC Region: | 2 |
| Spill Date: | 10/20/1995 |
| Spill Number/Closed Date: | 9508967 / 12/30/2005 |
| Spill Cause: | Unknown |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | SKARAKHA |
| Referred To: | Not Reported |
| Reported to Dept: | 10/20/1995 |
| CID: | 196 |
| Water Affected: | Not Reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 10/20/1995 |
| Spill Record Last Update: | 12/30/2005 |
| Spiller Name: | RICHARD ROACH |
| Spiller Company: | CON EDISON |
| Spiller Address: | 4 IRVING PLACE |
| Spiller City,St,Zip: | MANHATTAN, NY 10003 |
| Spiller Company: | 001 |
| Contact Name: | SAME |
| Contact Phone: | Not Reported |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"Doing cleanup at bronx cable house. some silt and mud at base of pump cable house. one sample came back with 61 ppm pcb's took three samples other 12 & 15 ppm. don't know if it is random PCBs. spill cleanup contractor to be there tomorrow at 8:00am. spill on CON |

**EXTERIOR ST - LANDING RD, EXTERIOR ST - LANDING RD, BRONX, NY (Continued)**

ed propery, no exposure to general public. cable house is below grade. to his knowledge, no groundwater contact. cable dielectric? not sure. rep stated no visible sign of oil just silt and mud. just wanted to remove mud from base of building. came in contact with mud. on site at 10:15 hours. pete cooney - con ed electric construction division. tom willis - clean harbors. clean harbors on-site and will do cleanup at low tide, guzzling into rolloffs. will start tues or wed next week. expect 2 rolloffs of sediment. (MMM)10/23/95: Joe Deveny, Con Ed - Are under cable house sampled at request of Env. Affairs (Mariela Gonzalez). Oil found from retired oil regulator leaking. (CAE)10/24/95, 8:55 AM - Mariela Gonzalez (Con Ed EA). Clean Harbors assigned to clean up on site this morning. Will remove 30 - 40 yards. (CAE)10/27/95: Mariela Gonzalez - Clean Harbors working today - expected to finish today. Remove 35 yards of oily soil - found concrete slab under soil - going to remove. (CAE)10/30/95: site visit with Bob DePass (Con Ed EA). Requested copies of lab analytical. (CAE)11/6/95: lab data submitted by Con Ed. Results range from non detect to 86 ppm from various locations within the cable house.11/8/95: Wipe samples collected from below-grade concrete slab following initial clean up.11/15/95: results forwarded to DEC - six of eight samples equal or exceed EPA clean up standard for indoor surfaces of 10 ug/100 cm2.11/22/95: Letter from Con Ed formally transmitting wipe sample results. Will consider these surfaces cleaned. EPA requires low contact indoor surfaces to be <10 ug/100 cm2, and low contact outdoor surfaces to be <100 ug/100 cm2. As of 2/9/96, EPA considers manholes to be indoor. They are awaiting documentation from Con Ed to categorize these as outdoor. Since the highest concentration is 20 ug/100 cm2 and the area is restricted access and the structure is not a work place for anyone (people only go there every couple of years) will accept this level of clean up. (CAE)2/9/96: spoke to Dorothy Zoledziowska of USEPA Region 2 TSCA (908) 906-6811. Asked her if cable house would be considered low contact indoor restricted area or low contact outdoor restricted area fro purpose of clean up criteria. She said that this question has been asked by Con Ed before, concerning manholes. EPA would consider classifying manholes as outdoor structures, but are awaiting written request with information from Con Ed. So presently EPA considers

**EXTERIOR ST - LANDING RD, EXTERIOR ST - LANDING RD, BRONX, NY (Continued)**

manholes indoor surfaces thus requiring clean up to be done to <10 ug/100 cm2. We will apply this until EPA gives further guidance. Spill of original oil contained 136 ppm PCB by analysis. If this is the case, then Con Ed is only required to do a double wash/rinse. (CAE)4/96: Draft Scope of Work for Subsurface Environmental Investigation submitted for review.7/10/96: Phone call to Bob DePass (EA) - Con Ed has petitioned EPA (Dan Kraft - Region 2) to relax cleanup standards in MH to 100 ug/100 cm2 in cases where they have cleaned up multiple times. Agreed w/ DePass on plan for investigation: 6 borings less than or equal to 25' from "manhole" offset by 30 degrees from one another. Also, one upgradient (backround) boring as close to property line as possible. (CAE)7/11/96: letter to Bob DePass confirming agreement of scope of work for investigation. (CAE)6/02: NYCDEP indicates their intention to purchase the property from Con Ed as part of Croton Water Treatment Plant Project. Spill transferred from Engelhardt to O'Connell. (JHO)7/18/02: Unable to find file on spill, I contacted Joe Coletta, Con Ed. He said he recalls that spill was to soil inside the cable crossing house (similar to a tunnel head house). He says Engelhardt responded, and All State was used to vac out soil. He will try to find out more info and get back to me. (JHO)2/7/03: Attempted to track down Joe Coletta - he retired from Con Ed in December. Joe Susco (SSO) indicated that he would try to track down more info on the spill - he thinks it is under the Distribution Group (where Coletta worked in 1995). Susco called back, said he spoke with Jim McCabe (Bronx/Westchester EH&S), who may have some info. (JHO)2/26/03: found original spill file containing all info from spill date through July 1996. Entered info in database, will contact McCabe to track down Bob DePass for update - was investigation ever conducted? Results? (JHO)3/3/03: called Maureen Sicherman (Con Ed Remediation) - requested she attempt to track down file for this site. (JHO)11/30/04: Spill transferred to Arakhan for follow up. (JHO)Closed. 12-30-05. see eDocs. G. Breen

Remarks: 61 parts per million in soil sample taken from above location.unknown how much pcb oil is in ground. conctor will be on sitesat 10/21/95. clean harbor is contractor.

**Material:**

**EXTERIOR ST - LANDING RD, EXTERIOR ST - LANDING RD, BRONX, NY (Continued)**

| | |
|---|---|
| Site ID: | 168036 |
| Operable Unit ID: | 1023305 |
| Operable Unit: | 01 |
| Material ID: | 359933 |
| Material Code: | 0017A |
| Material Name: | PCB OIL |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| APARTMENT BUILDING 8<br>FORDHAM/SEDGWICK, BRONX, NY, | | | S104953328 |
|---|---|---|---|
| ▲ D26 | ENE <1/10 | (454 ft. / 0.086 mi.) | Other Standard Environmental Records |
| | 50 ft. Higher Elevation | 101 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 0012998 |
| Facility Type: | ER |
| DER Facility ID: | 176045 |
| Site ID: | 212494 |
| DEC Region: | 2 |
| Spill Date: | 10/1/2000 |
| Spill Number/Closed Date: | 0012998 / 10/31/2003 |
| Spill Cause: | Unknown |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | TJDEMEO |
| Referred To: | Not Reported |
| Reported to Dept: | 3/12/2001 |
| CID: | 382 |
| Water Affected: | Not Reported |
| Spill Source: | Private Dwelling |
| Spill Notifier: | Affected Persons |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/12/2001 |
| Spill Record Last Update: | 12/10/2007 |
| Spiller Name: | P LEONARD JONES |
| Spiller Company: | APARTMENT BUILDING 8 |
| Spiller Address: | FORDHAM/SEDCHWICK |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller Company: | 001 |
| Contact Name: | P LEONARD JONES |
| Contact Phone: | (718) 365-9600 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"10/31/03 TJDOld vapor complaint. No recent history. Spill closed. |
| Remarks: | problem with oil fumes in the apartment building - occurring over long period of time |

**APARTMENT BUILDING 8, FORDHAM/SEDGWICK, BRONX, NY (Continued)**

**Material:**

| | |
|---|---|
| Site ID: | 212494 |
| Operable Unit ID: | 834536 |
| Operable Unit: | 01 |
| Material ID: | 539726 |
| Material Code: | 0066A |
| Material Name: | UNKNOWN PETROLEUM |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| MANHOLE 29002<br>W FORDAM RD/ FREDWICK AVE, BRONX, NY, | | | S103828353 |
|---|---|---|---|
| ▲ D27 | ENE <1/10 | (454 ft. / 0.086 mi.) | Other Standard Environmental Records |
| | 50 ft. Higher Elevation | 101 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 9814036 |
| Facility Type: | ER |
| DER Facility ID: | 146961 |
| Site ID: | 174759 |
| DEC Region: | 2 |
| Spill Date: | 2/19/1999 |
| Spill Number/Closed Date: | 9814036 / 10/21/2002 |
| Spill Cause: | Unknown |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | CAENGELH |
| Referred To: | Not Reported |
| Reported to Dept: | 2/19/1999 |
| CID: | 382 |
| Water Affected: | Not Reported |
| Spill Source: | Unknown |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 2/19/1999 |
| Spill Record Last Update: | 10/21/2002 |
| Spiller Name: | Not Reported |
| Spiller Company: | UNKNOWN |
| Spiller Address: | Not Reported |
| Spiller City,St,Zip: | NY |
| Spiller Company: | 999 |
| Contact Name: | TONY CONSTANTINE |
| Contact Phone: | (212) 580-6763 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"DEC Inspector Notes:2/24/98: Spoke to ERT Perez- he is ot investigate why spill ofoil appears to have been cleaned before PCB results obtained.Con ed e2mis notes:ON 2/20/99 TO crews responded to manhole to perform cleanup.Thre ws only a sheen in the manhole. Not 2 |

**MANHOLE 29002, W FORDAM RD/ FREDWICK AVE, BRONX, NY (Continued)**

| | |
|---|---|
| | gallons of oil. Padswere placed to absorb sheen. There was not enough product in themanhole to take a sample. The sheen was completely absorbed withthe pads. |
| Remarks: | CON ED 123-156. CLEAN UP PENDING LAB RESULTS. SPILL ON 6000 GAL OF WATER. |

**Material:**

| | |
|---|---|
| Site ID: | 174759 |
| Operable Unit ID: | 1074919 |
| Operable Unit: | 01 |
| Material ID: | 310742 |
| Material Code: | 0066A |
| Material Name: | UNKNOWN PETROLEUM |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 2 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| MANHOLE # 12719<br>SCHEDWICK AVE/FORDAM ROAD, BRONX, NY, | | | S106736203 |
|---|---|---|---|
| ▲ D28 | ENE <1/10 | (454 ft. / 0.086 mi.) | Other Standard Environmental Records |
| | 50 ft. Higher Elevation | 101 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 0410287 |
| Facility Type: | ER |
| DER Facility ID: | 270557 |
| Site ID: | 335341 |
| DEC Region: | 2 |
| Spill Date: | 12/16/2004 |
| Spill Number/Closed Date: | 0410287 / 10/23/2006 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | JHOCONNE |
| Referred To: | Not Reported |
| Reported to Dept: | 12/16/2004 |
| CID: | 444 |
| Water Affected: | Not Reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 12/20/2004 |
| Spill Record Last Update: | 10/23/2006 |
| Spiller Name: | ERT DESK |
| Spiller Company: | MANHOLE # 12719 |
| Spiller Address: | SCHEDWICK AVE/FORDAM ROAD |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller Company: | 001 |
| Contact Name: | ERT DESK |
| Contact Phone: | (212) 580-8383 |
| DEC Memo: | 10/23/06 - See e-docs for Con Ed report detailing cleanup and closure.e2mis no. 156612:16-Dec-2004 10:59 Oper Superv D. Scarimbolo 87659 reported while on location to inspect MH-12719 associated with Fdr 1X31 discovered 5 oz of cable oil from a leaking Raychem 3W1W stop joint on concrete. No sewers, waterways, or private property |

**MANHOLE # 12719, SCHEDWICK AVE/FORDAM ROAD, BRONX, NY (Continued)**

affected. This is a D-Fault hole and is pending removal from service and id of the feeder prior to cleanup. Env tag 02400 was placed and a pcb sample was taken on DD01269.17-Dec-2004 15:34Lab Sequence Number: 04-10473-001 TOTAL PCB 22 ppmThursday, December 16, 2004 4:47 PMLab Sequence Number: 04-10473-001 MATRIX: SOIL COMPOSITEInsufficient amount of sample for analysis.04-February-2005 06:40 HrsFlush Mechanic Mike Williams, 83739, reports he completed the cleanup, CFS tanker removed 125 gallons of nonhazardous oily water, Flush truck removed 1/2 cubic yard of flush debris, structure was double washed and rinsed using a degreaser, environmental tag has been removed, and there is no visual sign of source of oil in the structure.

Remarks: 5 ounces leaking from a feeder: coned # 156612: no to 5 questions

**Material:**

| | |
|---|---|
| Site ID: | 335341 |
| Operable Unit ID: | 1097410 |
| Operable Unit: | 01 |
| Material ID: | 577395 |
| Material Code: | 0020B |
| Material Name: | CABLE OIL |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| MH 26481<br>BAILEY AVE AND FORDHAM RD, BRONX, NY, | | | S106969626 |
|---|---|---|---|
| ▲ D29 | ENE <1/10 | (454 ft. / 0.086 mi.) | Other Standard Environmental Records |
| | 50 ft. Higher Elevation | 101 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 0504375 |
| Facility Type: | ER |
| DER Facility ID: | 295596 |
| Site ID: | 349137 |
| DEC Region: | 2 |
| Spill Date: | 7/12/2005 |
| Spill Number/Closed Date: | 0504375 / 9/19/2005 |
| Spill Cause: | Unknown |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | GDBREEN |
| Referred To: | Not Reported |
| Reported to Dept: | 7/13/2005 |
| CID: | 62 |
| Water Affected: | Not Reported |
| Spill Source: | Unknown |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 7/13/2005 |
| Spill Record Last Update: | 9/19/2005 |
| Spiller Name: | ERTS |
| Spiller Company: | MH 26481 |
| Spiller Address: | BAILEY AVE AND FORDHAM RD |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller Company: | 001 |
| Contact Name: | ERTS |
| Contact Phone: | (216) 593-7153 |
| DEC Memo: | 159708. 12-Jul-2005 22:04 hrs. FOD Sr. Field Operator Gary Cooper 19017 reports discovering 100 gals of unknown liquid (reported as an abnormal occurance) contained in MH-26481. being sampled on coc DD13417 for (oil) ID and PCB's after o/s Willie Armour 36069 inspected structure and confirmed unknown liquid substance. No |

**MH 26481, BAILEY AVE AND FORDHAM RD, BRONX, NY (Continued)**

smokeor fire is/was involved. No release to sewer or waters. No reported injuries. No private property affected. No agencies on site. Weather is hot and humid. Env yellow tag 42855 placed. Feeder 1x24 being processed and gen'l mgr wants to install a primary shunt (no outagesinvolved) only feeder Opened Auto. O/S Armour delivering samples to Chemlab. Rich Benkwitt12-Jul-2005 22:47 hrs. In conversation with ERT Maureen Evers requesting flashpoint. Called chemlab and they will spilt the load, as the samples are delivered now, and FOD doesnot have another 1 qt sample jar and left location already. ID will not be done until the 07:00 -15:00 shift due to manpower concerns in chemlab. Rich Benkwitt 3837313-Jul-2005 05:29 hrs. Called chemlab, LIMS down for two hours. Oil ID sample had a problem and was left for superviosr to review at 07:00 hours when he comes in. PCB should be ready in 1 hour. Flashpoint being worked on. Rich Benkwitt 3837313-Jun-2005 08:09 Oil Identification. Analysis indicates the presence of a cable
oil.
----------
----------PCB Analysis by EPA
608/
8082----------
----------Aroclor 1242 < 1.0 ppm EPA 608/8082Aroclor 1254 < 1.0 ppm EPA 608/8082Aroclor 1248 27.9 ppm EPA 608/8082Aroclor 1260 < 1.0 ppm EPA
608/
8082----------
----------TOTAL PCB 28 ppm13-Jul-2005 18:17 hrs. Change materials quantities to 2.5 gals of cable oil and 97.5 gals of water. Zero unk gals of liquid from 100 gals original report. Rich Benkwitt 3837313-Jul-2005 21:03 hrs. Mech A Ralph Budhoo 82277 and Russel Boden 86061 relieved at 20:30 hours by Mech A Mike Williams 83739 and Ade Wheeler 00380. Budhoo had reported 18:30 hours completed first wash with 760 soap solution and rinsed. Cleanup started by Budhoo at 16:45 hours and continuing with Mike Williams crew now. Rich Benkwitt 3837313-Jul-2005 22:44 hrs. Mech A Mike Williams 83739 reported 3x washed with 760 bio-gen soap solution and rinsed. Generated 800 gals of liquid into CFS <50 tanker for transportation to Astoria TSDF and

**MH 26481, BAILEY AVE AND FORDHAM RD, BRONX, NY (Continued)**

| | |
|---|---|
| | 2.5 CY of soild debris generated into vactor for disposal at Hellgate Flush facility. Env yellow tag 42855 pulled from structure. Cleanup started at 16:45 and completed at 22:40 hrs. and the source the oil is a cable joint to be which going to be removed on Jul 14 7-3 shift. Rich Benkwitt 3837314-Jul-2005 17:05. As per FCR V. Headley 15702 the leaking cable joint was removed at 16:00.D. Rohrer 12788.Closed. 9-19-05. GB |
| Remarks: | 159708. |

**Material:**

| | |
|---|---|
| Site ID: | 349137 |
| Operable Unit ID: | 1106768 |
| Operable Unit: | 01 |
| Material ID: | 2096086 |
| Material Code: | 0066A |
| Material Name: | UNKNOWN PETROLEUM |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 100 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| ROADWAY<br>MAJOR DEEGAN S/B @ FORDHAM RD, BRONX, NY, | | | S109581297 |
|---|---|---|---|
| ▼ C30 | WSW <1/10 | (465 ft. / 0.088 mi.) | Other Standard Environmental Records |
| | 12 ft. Lower Elevation | 39 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 0813940 |
| Facility Type: | ER |
| DER Facility ID: | 360861 |
| Site ID: | 411656 |
| DEC Region: | 2 |
| Spill Date: | 3/26/2009 |
| Spill Number/Closed Date: | 0813940 / 3/27/2009 |
| Spill Cause: | Traffic Accident |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | SFRAHMAN |
| Referred To: | Not Reported |
| Reported to Dept: | 3/26/2009 |
| CID: | Not Reported |
| Water Affected: | Not Reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Local Agency |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/26/2009 |
| Spill Record Last Update: | 3/27/2009 |
| Spiller Name: | JOHN PIMENTAL |
| Spiller Company: | UNKNOWN |
| Spiller Address: | MAJOR DEEGAN S/B @ FORDHAM RD |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller Company: | 999 |
| Contact Name: | JOHN PIMENTAL |
| Contact Phone: | (718) 433-3340 |
| DEC Memo: | 03/26/09 Spoke with OEM supervisor Mr. Barbierri. Spill occurred due to trucktor trailer accident, saddle tank leaked, approx. 20 gallons spilled on the roadway,minor impact in the drain.FD,OEM responded. NYC Sanitation putting down sand on the street.I told OEM rep on scene that if there is any drum with diesel at the site, the vehicle |

**ROADWAY, MAJOR DEEGAN S/B @ FORDHAM RD, BRONX, NY (Continued)**

| | |
|---|---|
| | owner is responsible to take care of it.He said he would make sure the drum is taken away by the trailor.(sr) |
| Remarks: | A vehicle being towed ruptured its saddle tank spilling to blacktop. Cleanup is ongoing. |

**Material:**

| | |
|---|---|
| Site ID: | 411656 |
| Operable Unit ID: | 1168135 |
| Operable Unit: | 01 |
| Material ID: | 2159748 |
| Material Code: | 0008 |
| Material Name: | Diesel |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 20 |
| Units: | Gallons |
| Recovered: | Not Reported |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| CROTON AQUADUCT<br>CROTON AQUADUCT, BRONX, NY, | | | S102446710 |
|---|---|---|---|
| ▼ E31 | WNW <1/10 | (503 ft. / 0.095 mi.) | Other Standard Environmental Records |
| | 46 ft. Lower Elevation | 5 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Downgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 9611109 |
| Facility Type: | ER |
| DER Facility ID: | 168075 |
| Site ID: | 202050 |
| DEC Region: | 2 |
| Spill Date: | 11/30/1996 |
| Spill Number/Closed Date: | 9611109 / 12/9/1996 |
| Spill Cause: | Unknown |
| Spill Class: | Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | SMMARTIN |
| Referred To: | Not Reported |
| Reported to Dept: | 12/9/1996 |
| CID: | 351 |
| Water Affected: | CROTON AQUADUCT |
| Spill Source: | Unknown |
| Spill Notifier: | Citizen |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 12/9/1996 |
| Spill Record Last Update: | 12/16/1996 |
| Spiller Name: | Not Reported |
| Spiller Company: | UNKNOWN |
| Spiller Address: | Not Reported |
| Spiller City,St,Zip: | NY |
| Spiller Company: | 999 |
| Contact Name: | UNKNOWN |
| Contact Phone: | (000) 000-0000 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"FAX TO REGION 3 "FYI" |
| Remarks: | CALLER STATES THAT THERE IS FREE PRODUCT IN THE WATER - HE STATED THAT THIS IS RELATED TO A SPILL HE REPORTED LAST WEEK TO REGION 3HE HAD NO FURTHER INFO |

**CROTON AQUADUCT, CROTON AQUADUCT, BRONX, NY (Continued)**

**Material:**

| | |
|---|---|
| Site ID: | 202050 |
| Operable Unit ID: | 1042648 |
| Operable Unit: | 01 |
| Material ID: | 343315 |
| Material Code: | 0008 |
| Material Name: | Diesel |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| APT BLDG<br>2254 CEDAR AVE, BRONX, NY, | | | S113405347 |
|---|---|---|---|
| ▲ C32 | SW <1/10 | (512 ft. / 0.097 mi.) | Other Standard Environmental Records |
| | 16 ft. Higher Elevation | 67 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 1216029 |
| Facility Type: | ER |
| DER Facility ID: | 434642 |
| Site ID: | 479377 |
| DEC Region: | 2 |
| Spill Date: | 3/4/2013 |
| Spill Number/Closed Date: | 1216029 / 4/25/2013 |
| Spill Cause: | Unknown |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | vszhune |
| Referred To: | Not Reported |
| Reported to Dept: | 3/4/2013 |
| CID: | Not Reported |
| Water Affected: | Not Reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/4/2013 |
| Spill Record Last Update: | 4/25/2013 |
| Spiller Name: | IGNACIO CASTILLO |
| Spiller Company: | EXCLUSIVE REALTY |
| Spiller Address: | 2254 CEDAR AVE |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller Company: | 999 |
| Contact Name: | DAVID VEGA |
| Contact Phone: | 7183783000 |
| DEC Memo: | 3/29/2013 Sangesland called David Vega at Eastmond asking about status.04/16/13-Zhune visited the site met the super. As per the super the fill line is an underground line it was leaking. Eastmond removed the line and the soil contamination and collected two soil samples. Eastmond installed a new doble wall line. |

**APT BLDG, 2254 CEDAR AVE, BRONX, NY (Continued)**

| | |
|---|---|
| Remarks: | contamination discovered when replacing fill line. Clean up in progress. |

**Material:**

| | |
|---|---|
| Site ID: | 479377 |
| Operable Unit ID: | 1229112 |
| Operable Unit: | 01 |
| Material ID: | 2226867 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | Not Reported |
| Units: | Not Reported |
| Recovered: | Not Reported |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| MAJOR DEEGAN & FORDHAM RD<br>MAJOR DEEGAN & FORDHAM RD, NEW YORK CITY, NY, | | | S102142120 |
|---|---|---|---|
| ▼ 33 | WSW 1/10 - 1/3 | (551 ft. / 0.104 mi.) | Other Standard Environmental Records |
| | 25 ft. Lower Elevation | 26 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 8909821 |
| Facility Type: | ER |
| DER Facility ID: | 73936 |
| Site ID: | 79665 |
| DEC Region: | 2 |
| Spill Date: | 1/12/1990 |
| Spill Number/Closed Date: | 8909821 / 12/8/1992 |
| Spill Cause: | Unknown |
| Spill Class: | Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | SIGONA |
| Referred To: | Not Reported |
| Reported to Dept: | 1/12/1990 |
| CID: | Not Reported |
| Water Affected: | HARLEM RIVER |
| Spill Source: | Unknown |
| Spill Notifier: | Fire Department |
| Cleanup Ceased: | 12/8/1992 |
| Cleanup Meets Std: | True |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1/23/1990 |
| Spill Record Last Update: | 12/10/1992 |
| Spiller Name: | Not Reported |
| Spiller Company: | Not Reported |
| Spiller Address: | Not Reported |
| Spiller City,St,Zip: | ***Update***, ZZ |
| Spiller Company: | 001 |
| Contact Name: | Not Reported |
| Contact Phone: | Not Reported |
| DEC Memo: | Not Reported |
| Remarks: | TELEPHONE POLES ON BARGE CAUGHT FIRE, USCG NOTIFIED, USCG TAKES NO ACTION FOR CREOSOTE, NYC FIRE DEPT HAZMAT PUTTING OUT FIRE, DEC (SIGONA) TO INVESTIGATE. |

**Material:**

**MAJOR DEEGAN & FORDHAM RD, MAJOR DEEGAN & FORDHAM RD, NEW YORK CITY, NY (Continued)**

| | |
|---|---|
| Site ID: | 79665 |
| Operable Unit ID: | 934759 |
| Operable Unit: | 01 |
| Material ID: | 442970 |
| Material Code: | 0180A |
| Material Name: | CREOSOTE |
| Case No.: | 08001589 |
| Material FA: | Hazardous Material |
| Quantity: | -1 |
| Units: | Not Reported |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| HUNDLEY RESD<br>2240 CEDAR AVE, BRONX, NY, | | | S110539928 |
|---|---|---|---|
| ▲ 34 | SW 1/10 - 1/3 | (603 ft. / 0.114 mi.) | Other Standard Environmental Records |
| | 18 ft. Higher Elevation | 69 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 1006759 |
| Facility Type: | ER |
| DER Facility ID: | 395136 |
| Site ID: | 440135 |
| DEC Region: | 2 |
| Spill Date: | 9/22/2010 |
| Spill Number/Closed Date: | 1006759 / 9/23/2010 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | SFRAHMAN |
| Referred To: | Not Reported |
| Reported to Dept: | 9/22/2010 |
| CID: | Not Reported |
| Water Affected: | Not Reported |
| Spill Source: | Private Dwelling |
| Spill Notifier: | Affected Persons |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 9/22/2010 |
| Spill Record Last Update: | 9/23/2010 |
| Spiller Name: | MACK WELSH |
| Spiller Company: | HUNDLEY RESD |
| Spiller Address: | 2240 CEDAR AVE |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller Company: | 999 |
| Contact Name: | MACK WELSH |
| Contact Phone: | (516) 661-7767 |
| DEC Memo: | Spoke with Mack Welsh, home owner.The old suction line runs above ground and developed a leak on it spilling approx. 5 gallon on the floor.Spill was cleaned up immediately, as per Mack Welsh. The house is vacant now.No drain was impacted.A new line will be installed.Leak has been stopped placing a patch on the old line.Case closed. |

**HUNDLEY RESD, 2240 CEDAR AVE, BRONX, NY (Continued)**

| | |
|---|---|
| Remarks: | TANK LINE LEAKED IN BASEMENT WITH CONCRETE FLOOR. |

**Material:**

| | |
|---|---|
| Site ID: | 440135 |
| Operable Unit ID: | 1190753 |
| Operable Unit: | 01 |
| Material ID: | 2185818 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 8 |
| Units: | Gallons |
| Recovered: | Not Reported |
| Resource Affected: | Not Reported |
| Oxygenate: | False |
| Site ID: | 440135 |
| Operable Unit ID: | 1190753 |
| Operable Unit: | 01 |
| Material ID: | 2185819 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 8 |
| Units: | Gallons |
| Recovered: | Not Reported |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| ECR REALTY<br>2326 LORING PLACE, BRONX, NY, | | | S103558627 |
|---|---|---|---|
| ▲ F35 | ESE 1/10 - 1/3 | (643 ft. / 0.122 mi.) | State and tribal leaking storage tank lists |
| | 105 ft. Higher Elevation | 156 ft. Above Sea Level | |

**Worksheet:**

**Impact on Target Property:** VEC Can Be Ruled Out

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**LTANKS: State and tribal leaking storage tank lists**

| | |
|---|---|
| Site ID: | 134870 |
| Spill Number/Closed Date: | 9811009 / 5/6/2005 |
| Spill Date: | 12/2/1998 |
| Spill Cause: | Tank Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Standard: | True |
| SWIS: | 0301 |
| Investigator: | SMSANGES |
| Referred To: | Not Reported |
| Reported to Dept: | 12/2/1998 |
| CID: | 252 |
| Water Affected: | Not Reported |
| Spill Notifier: | Other |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 12/2/1998 |
| Spill Record Last Update: | 7/5/2006 |
| Spiller Name: | MITCH |
| Spiller Company: | ECR REALTY |
| Spiller Address: | 2326 LORING PLACE |
| Spiller City,St,Zip: | BRONX, ZZ |
| Spiller County: | 001 |
| Spiller Contact: | MITCH |
| Spiller Phone: | (212) 889-4406 |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 115811 |
| DEC Memo: | 5/6/2005 Sangesland received a submittal from Frank Claro (Owner's Rep) of Loring PL LLC (718-664-6600). Submittal shows that Abilene Heating Group removed the 4,000 gal tank in Nov 1999 and replaced it with a new 3,000 gal tank. This new tank has been pressure tested & passed. Photographs of the new tank and the basement area show the |

**ECR REALTY, 2326 LORING PLACE, BRONX, NY (Continued)**

| | |
|---|---|
| | site is clean and in proper working order. Spill Closed - 5/6/2005 |
| Remarks: | SPILL CREW DISPATCHED FOR CLEAN UP AND PUMPING OUT TANK-TEMPORARY TANK TO BE INSTALLED. |

**Material:**

| | |
|---|---|
| Site ID: | 134870 |
| Operable Unit ID: | 1071885 |
| Operable Unit: | 01 |
| Material ID: | 314864 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| 2316 LORING PLACE<br>2316 LORING PLACE, BRONX, NY, | | | S102150513 |
|---|---|---|---|
| ▲ F36 | SE 1/10 - 1/3 | (644 ft. / 0.122 mi.) | Other Standard Environmental Records |
| | 106 ft. Higher Elevation | 157 ft. Above Sea Level | |

**Worksheet:**

**Impact on Target Property:** VEC Can Be Ruled Out

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 9505143 |
| Facility Type: | ER |
| DER Facility ID: | 228681 |
| Site ID: | 281647 |
| DEC Region: | 2 |
| Spill Date: | 7/27/1995 |
| Spill Number/Closed Date: | 9505143 / 7/27/1995 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | KSTANG |
| Referred To: | Not Reported |
| Reported to Dept: | 7/27/1995 |
| CID: | Not Reported |
| Water Affected: | Not Reported |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | 7/27/1995 |
| Cleanup Meets Std: | True |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 8/7/1995 |
| Spill Record Last Update: | 9/30/2004 |
| Spiller Name: | Not Reported |
| Spiller Company: | CASTLE OIL |
| Spiller Address: | Not Reported |
| Spiller City,St,Zip: | NY |
| Spiller Company: | 999 |
| Contact Name: | Not Reported |
| Contact Phone: | Not Reported |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG" |
| Remarks: | DEFECTIVE GAUGE SPILLED ONTO SIDEWALK AND CLEANED UP. |

**Material:**

**2316 LORING PLACE, 2316 LORING PLACE, BRONX, NY (Continued)**

| | |
|---|---|
| Site ID: | 281647 |
| Operable Unit ID: | 1016148 |
| Operable Unit: | 01 |
| Material ID: | 366672 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 10 |
| Units: | Gallons |
| Recovered: | 10 |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| | |
|---|---|
| Facility ID: | 9508364 |
| Facility Type: | ER |
| DER Facility ID: | 228681 |
| Site ID: | 281648 |
| DEC Region: | 2 |
| Spill Date: | 10/9/1995 |
| Spill Number/Closed Date: | 9508364 / 1/28/1997 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | UNASSIGNED |
| Referred To: | Not Reported |
| Reported to Dept: | 10/9/1995 |
| CID: | 205 |
| Water Affected: | Not Reported |
| Spill Source: | Private Dwelling |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 10/9/1995 |
| Spill Record Last Update: | 1/28/1997 |
| Spiller Name: | Not Reported |
| Spiller Company: | CASTLE OIL CO |
| Spiller Address: | Not Reported |
| Spiller City,St,Zip: | ZZ |
| Spiller Company: | 001 |
| Contact Name: | KARYAS REALITY |
| Contact Phone: | (212) 584-2620 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "X" |

**2316 LORING PLACE, 2316 LORING PLACE, BRONX, NY (Continued)**

| | |
|---|---|
| Remarks: | defective gauge on building. |

**Material:**

| | |
|---|---|
| Site ID: | 281648 |
| Operable Unit ID: | 1022866 |
| Operable Unit: | 01 |
| Material ID: | 362873 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 25 |
| Units: | Gallons |
| Recovered: | 25 |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| FORHDHAM HILL<br>1 FORDHAM HILL OVAL, BRONX, NY, | | | U000404307 |
|---|---|---|---|
| ▲ G37 | ENE 1/10 - 1/3 | (705 ft. / 0.134 mi.) | State and tribal leaking storage tank lists |
| | 55 ft. Higher Elevation | 106 ft. Above Sea Level | |

**Worksheet:**

**Impact on Target Property:** VEC Can Be Ruled Out

**Groundwater Flow Gradient:**

Crossgradient: YES

**LTANKS: State and tribal leaking storage tank lists**

| | |
|---|---|
| Site ID: | 380053 |
| Spill Number/Closed Date: | 0700673 / 5/18/2007 |
| Spill Date: | 4/18/2007 |
| Spill Cause: | Tank Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Not Reported |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | jbvought |
| Referred To: | Not Reported |
| Reported to Dept: | 4/18/2007 |
| CID: | 444 |
| Water Affected: | Not Reported |
| Spill Notifier: | Fire Department |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 4/18/2007 |
| Spill Record Last Update: | 5/18/2007 |
| Spiller Name: | FIREFIGHTER MORRIS |
| Spiller Company: | HOUSING COMPLEX |
| Spiller Address: | FATHER ZERSI PL/WEBB AVE |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller County: | 001 |
| Spiller Contact: | FIREFIGHTER MORRIS |
| Spiller Phone: | (347) 203-6886 |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 329538 |
| DEC Memo: | 04/18/07-Vought-Off hours responder. Vought responded to site and FDNY 19th Battalion (Captain Roach 718-430-0219) onsite. Spill occurred when #4 fuel oil was being transferred from one 25000-gallon #4 fuel oil UST to another. Spill was discovered at 5am. Spill inside building coming out of entry port of supply return lines into wall. |

**FORHDHAM HILL, 1 FORDHAM HILL OVAL, BRONX, NY (Continued)**

Concrete in good condition in boiler room however sump affected. DEC notified by FDNY and arriving on-site. No odor complaints received to date. Site maintenance director is Gildardo Arvelaez (718-365-9659) and owner of site is Fordham Hill (Everton Moore 718-365-9600). Oil came out of AST manway flowed down soil hill and impacted sewer. As per petrometer, 4300 gallons in North tank and 20000 gallons in South Tank. Unable to determine spill amount as petrometers may not be working correctly. Spill amount approximated at 300-gallons. Eastmond arrived onsite and began cleanup. Eastmond hired by Fordham Hill.DEC requires: 1)submission of Eastmond invoices 2)collection of endpoint soil samples 3)petrometer repair replacement.Vought sent letter with above requirements and one month due date to owners as per PBS:Fordham Hill Owners1 Fordham Hill OvalBronx, NY 10468Ph: 718-365-9600Fax: 718-733-047205/18/07-Vought-Office visit by Gildardo Arvelaez who provided endpoint soil analyticals from Eastmond (eight soil samples were collected and showed no TAGM 4046 Soil Cleanup Objective Exceedences and provided letter from Fordam Hill stating that two new petrometers were installed. Arvelaez also provided invoices from Eastmond that included pressure washing of basement and cleaning of three sump pits. Spill closed by Vought and NFA provided to Arvelaez.

Remarks: IN BASEMENT AND SOME GOING INTO STORM DRAIN: FIRE DEPT ON WAY

**Material:**

| | |
|---|---|
| Site ID: | 380053 |
| Operable Unit ID: | 1137545 |
| Operable Unit: | 01 |
| Material ID: | 2127494 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 25 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| 5 FORDHAM HILL OVAL<br>5 FORDHAM HILL OVAL, BRONX, NY, 10468 | | | 1015520691 |
|---|---|---|---|
| ▲ G38 | ENE 1/10 - 1/3 | (762 ft. / 0.144 mi.) | Historical Gas Stations |
| | 57 ft. Higher Elevation | 108 ft. Above Sea Level | |

**Worksheet:**

**Impact on Target Property:** VEC Can Be Ruled Out

**Groundwater Flow Gradient:**

Crossgradient: YES

**EDR Historical Auto Stations: Historical Gas Stations**

| | |
|---|---|
| Name: | SUN RISE CAR SERVICE INC |
| Year: | 2003 |
| Address: | 5 FORDHAM HILL OVAL |

| 2445 SEDGWICK AVE<br>2445 SEDGWICK AVE, BRONX, NY, | | | S100560360 |
|---|---|---|---|
| ▲ 39 | NE 1/10 - 1/3 | (853 ft. / 0.162 mi.) | State and tribal leaking storage tank lists |
| | 72 ft. Higher Elevation | 123 ft. Above Sea Level | |

**Worksheet:**

**Impact on Target Property:** VEC Can Be Ruled Out

**Groundwater Flow Gradient:**

Crossgradient: YES

**LTANKS: State and tribal leaking storage tank lists**

| | |
|---|---|
| Site ID: | 94162 |
| Spill Number/Closed Date: | 9303142 / 2/27/2003 |
| Spill Date: | 4/28/1993 |
| Spill Cause: | Tank Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | TOMASELLO |
| Referred To: | Not Reported |
| Reported to Dept: | 6/9/1993 |
| CID: | Not Reported |
| Water Affected: | Not Reported |
| Spill Notifier: | Other |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 6/11/1993 |
| Spill Record Last Update: | 2/27/2003 |
| Spiller Name: | Not Reported |
| Spiller Company: | J.R. TUSANEZA AGENT |
| Spiller Address: | RIVERSDALE |
| Spiller City,St,Zip: | ZZ |
| Spiller County: | 001 |
| Spiller Contact: | Not Reported |
| Spiller Phone: | Not Reported |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 84328 |
| DEC Memo: | Not Reported |
| Remarks: | TANK TO BE ABANDONED AT SITE. |

**Material:**

| | |
|---|---|
| Site ID: | 94162 |
| Operable Unit ID: | 981330 |

**2445 SEDGWICK AVE, 2445 SEDGWICK AVE, BRONX, NY (Continued)**

| | |
|---|---|
| Operable Unit: | 01 |
| Material ID: | 396736 |
| Material Code: | 0003A |
| Material Name: | #6 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 2300 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| 2277 ANDREWS AVENUE<br>2277 ANDREWS AVENUE, BRONX, NY, 10468 | | | U003153180 |
|---|---|---|---|
| ▲ H40 | SE 1/10 - 1/3 | (924 ft. / 0.175 mi.) | State and tribal leaking storage tank lists<br>State and tribal registered storage tank lists |
| | 97 ft. Higher Elevation | 148 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**HIST UST: State and tribal registered storage tank lists**

| | |
|---|---|
| PBS Number: | 2-602844 |
| SPDES Number: | Not Reported |
| Emergency Contact: | RAMON BLANCO |
| Emergency Telephone: | (718) 365-5373 |
| Operator: | RAMON BLANCO |
| Operator Telephone: | (718) 365-5373 |
| Owner Name: | MMIKP BRONX REALTY |
| Owner Address: | P.O. BOX 300513, MIDWOOD STATION |
| Owner City,St,Zip: | BROOKLYN, NY 11230 |
| Owner Telephone: | (718) 972-1073 |
| Owner Type: | Corporate/Commercial |
| Owner Subtype: | Not Reported |
| Mailing Name: | MMIKP BRONX REALTY |
| Mailing Address: | P.O. BOX 300513, MIDWOOD STATION |
| Mailing Address 2: | Not Reported |
| Mailing City,St,Zip: | BROOKLYN, NY 11230 |
| Mailing Contact: | MARTIN KIRZNER |
| Mailing Telephone: | (718) 972-1073 |
| Owner Mark: | First Owner |
| Facility Status: | 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility. |
| Facility Addr2: | Not Reported |
| SWIS ID: | 6001 |
| Old PBS Number: | Not Reported |
| Facility Type: | APARTMENT BUILDING |
| Inspected Date: | Not Reported |
| Inspector: | Not Reported |
| Inspection Result: | Not Reported |
| Federal ID: | Not Reported |
| Certification Flag: | False |
| Certification Date: | 08/24/2001 |
| Expiration Date: | 12/03/2006 |
| Renew Flag: | False |
| Renewal Date: | Not Reported |
| Total Capacity: | 4000 |
| FAMT: | True |
| Facility Screen: | No Missing Data |
| Owner Screen: | No Missing Data |
| Tank Screen: | Minor Data Missing |

**2277 ANDREWS AVENUE, 2277 ANDREWS AVENUE, BRONX, NY 10468 (Continued)**

| | |
|---|---|
| Dead Letter: | False |
| CBS Number: | Not Reported |
| Town or City: | NEW YORK CITY |
| County Code: | 60 |
| Town or City: | 01 |
| Region: | 2 |
| Tank Id: | 001 |
| Tank Location: | UNDERGROUND |
| Tank Status: | In Service |
| Install Date: | Not Reported |
| Capacity (gals): | 4000 |
| Product Stored: | NOS 5 OR 6 FUEL OIL |
| Tank Type: | Steel/carbon steel |
| Tank Internal: | Not Reported |
| Tank External: | Not Reported |
| Pipe Location: | Not Reported |
| Pipe Type: | Not Reported |
| Pipe Internal: | Not Reported |
| Pipe External: | Not Reported |
| Second Containment: | Not Reported |
| Leak Detection: | Not Reported |
| Overfill Prot: | Not Reported |
| Dispenser: | Not Reported |
| Date Tested: | Not Reported |
| Next Test Date: | Not Reported |
| Missing Data for Tank: | Minor Data Missing |
| Date Closed: | Not Reported |
| Test Method: | Not Reported |
| Deleted: | False |
| Updated: | True |
| Lat/long: | Not Reported |

**LTANKS: State and tribal leaking storage tank lists**

| | |
|---|---|
| Site ID: | 166751 |
| Spill Number/Closed Date: | 9705847 / 1/15/2009 |
| Spill Date: | 8/14/1997 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Private Dwelling |
| Spill Class: | Known release that creates potential for fire or hazard. (Highly Improbable) |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | JMKRIMGO |
| Referred To: | MACDONALD |
| Reported to Dept: | 8/14/1997 |
| CID: | 205 |
| Water Affected: | Not Reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not Reported |

**2277 ANDREWS AVENUE, 2277 ANDREWS AVENUE, BRONX, NY 10468 (Continued)**

| | |
|---|---|
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 8/14/1997 |
| Spill Record Last Update: | 1/15/2009 |
| Spiller Name: | MR.EIFERANN |
| Spiller Company: | APARTMENT BUILDING |
| Spiller Address: | 2277 ANDREWS AVENUE |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller County: | 001 |
| Spiller Contact: | MR.EIFERANN |
| Spiller Phone: | (718) 972-1073 |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 24713 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "M TIBBE"Oil bubbles out around man-way. Not man-way gasket.Spill assigned to James Drumm for SCIsent further info letter to owner, Martin Kirzner. No response. phone # 718 972 10739/8/06 transferred to bf9/20/06 ttf certified letter returned "return to sender, insufficient address, unable to forward" bf9/21/06 resent letter ttf to address obtained from acris. bf10/8/08 At 1036, received message from Max Gordon ? (718)258-8800 x-209. Called back and left message. bf1/15/09. J.Krimgold reviewed the letter-report submitted by Cosmos Environmental Services, dated March 24, 2008. According to the report two groundwater wells were installed in the close proximity of the tank. No free product or contaminated soil was found. Analysis of GW also show no presence of contaminants. NFA. JK. |
| Remarks: | failed test |

**Material:**

| | |
|---|---|
| Site ID: | 166751 |
| Operable Unit ID: | 1049122 |
| Operable Unit: | 01 |
| Material ID: | 331464 |
| Material Code: | 0003A |
| Material Name: | #6 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**2277 ANDREWS AVENUE, 2277 ANDREWS AVENUE, BRONX, NY 10468 (Continued)**

**Tank Test:**

| | |
|---|---|
| Site ID: | 166751 |
| Spill Tank Test: | 1545275 |
| Tank Number: | 1 |
| Tank Size: | 5000 |
| Test Method: | 03 |
| Leak Rate: | 0 |
| Gross Fail: | Not Reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Horner EZ Check I or II |

| 2271 ANDREWS AVE<br>2271 ANDREWS AVE, BRONX, NY, 10468 | | | 1015022369 |
|---|---|---|---|
| ▲ H41 | SE 1/10 - 1/3 | (949 ft. / 0.18 mi.) | Historical Dry Cleaners |
| | 100 ft. Higher Elevation | 151 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**EDR Historical Cleaners: Historical Dry Cleaners**

| | |
|---|---|
| Name: | CLASSIC LAUNDRY |
| Year: | 2009 |
| Address: | 2271 ANDREWS AVE |

| 130 W FORDHAM RD<br>130 W FORDHAM RD, BRONX, NY, 10468 | | | 1014986896 |
|---|---|---|---|
| ▲ I42 | E 1/10 - 1/3 | (1012 ft. / 0.192 mi.) | Historical Dry Cleaners |
| | 67 ft. Higher Elevation | 118 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**EDR Historical Cleaners: Historical Dry Cleaners**

Name: FORDHAM CLEANERS INC
Year: 2007
Address: 130 W FORDHAM RD

Name: FORDHAM CLEANERS INC
Year: 2008
Address: 130 W FORDHAM RD

Name: FORDHAM CLEANERS INC
Year: 2009
Address: 130 W FORDHAM RD

Name: FORDHAM CLEANERS
Year: 2010
Address: 130 W FORDHAM RD

| FORDHAM CLEANERS INC.<br>130 W FORDHAM ROAD, BRONX, NY, 10468 | | | S110246610 |
|---|---|---|---|
| ▲ I43 | E 1/10 - 1/3 | (1012 ft. / 0.192 mi.) | Other Standard Environmental Records |
| | 67 ft. Higher Elevation | 118 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**DRYCLEANERS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 2-6004-00128 |
| Phone Number: | 718-733-0010 |
| Region: | Not Reported |
| Registration Effective Date: | 7/15/2003 13:56:19:56 |
| Inspection Date: | 08AUG13 |
| Install Date: | 89/03 |
| Drop Shop: | Not Reported |
| Shutdown: | Not Reported |
| Alternate Solvent: | Not Reported |
| Current Business: | Not Reported |

| 128 W FORDHAM RD<br>128 W FORDHAM RD, BRONX, NY, 10468 | | | 1014986019 |
|---|---|---|---|
| ▲ I44 | E 1/10 - 1/3 | (1037 ft. / 0.196 mi.) | Historical Dry Cleaners |
| | 67 ft. Higher Elevation | 118 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**EDR Historical Cleaners: Historical Dry Cleaners**

Name: FORDHAM CLEANERS
Year: 2001
Address: 128 W FORDHAM RD

Name: FORDHAM CLEANERS
Year: 2002
Address: 128 W FORDHAM RD

Name: FORDHAM CLEANERS
Year: 2007
Address: 128 W FORDHAM RD

Name: FORDHAM CLEANERS
Year: 2008
Address: 128 W FORDHAM RD

Name: FORDHAM CLEANERS
Year: 2011
Address: 128 W FORDHAM RD

Name: FORDHAM CLEANERS
Year: 2012
Address: 128 W FORDHAM RD

| PUBLIC SCHOOL 15<br>2195 ANDREWS AVE, BRONX, NY, | | | S104951092 |
|---|---|---|---|
| ▲ 45 | SSE 1/10 - 1/3 | (1137 ft. / 0.215 mi.) | State and tribal leaking storage tank lists<br>State and tribal registered storage tank lists |
| | 113 ft. Higher Elevation | 164 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**LTANKS: State and tribal leaking storage tank lists**

| | |
|---|---|
| Site ID: | 200074 |
| Spill Number/Closed Date: | 0013233 / 5/27/2004 |
| Spill Date: | 3/16/2001 |
| Spill Cause: | Tank Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | TJDEMEO |
| Referred To: | Not Reported |
| Reported to Dept: | 3/19/2001 |
| CID: | 382 |
| Water Affected: | Not Reported |
| Spill Notifier: | Federal Government |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/19/2001 |
| Spill Record Last Update: | 5/27/2004 |
| Spiller Name: | Not Reported |
| Spiller Company: | BRONX COMM COLLEGE |
| Spiller Address: | Not Reported |
| Spiller City,St,Zip: | ZZ |
| Spiller County: | 001 |
| Spiller Contact: | MR SINGER |
| Spiller Phone: | (718) 584-5185 |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 166508 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"12/10/03 TJDSame as spill 0013188. Spill closed and cross referenced. |
| Remarks: | leak from tank at college is leaking into public schools play yard and then into a basement that leads to a catch basin. no further information |

**PUBLIC SCHOOL 15, 2195 ANDREWS AVE, BRONX, NY (Continued)**

**Material:**

| | |
|---|---|
| Site ID: | 200074 |
| Operable Unit ID: | 835172 |
| Operable Unit: | 01 |
| Material ID: | 539953 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

**AST: State and tribal registered storage tank lists**

| | |
|---|---|
| Region: | STATE |
| DEC Region: | 2 |
| Site Status: | Active |
| Facility Id: | 2-606247 |
| Program Type: | PBS |
| UTM X: | 591932.40608999995 |
| UTM Y: | 4523729.5102700004 |
| Expiration Date: | 07/10/2016 |
| Site Type: | School |

**Affiliation Records:**

| | |
|---|---|
| Site Id: | 28111 |
| Affiliation Type: | Facility Owner |
| Company Name: | NYC DEPARTMENT OF EDUCATION |
| Contact Type: | MANAGER, FUEL DIVISION |
| Contact Name: | MUNENDRA SHARMA |
| Address1: | 44-36 VERNON BLVD. |
| Address2: | Not Reported |
| City: | LONG ISLAND CITY |
| State: | NY |
| Zip Code: | 11101 |
| Country Code: | 001 |
| Phone: | (718) 349-5738 |
| EMail: | MSHARMA@SCHOOLS.NYC.COM |
| Fax Number: | Not Reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 2/10/2012 |

| | |
|---|---|
| Site Id: | 28111 |

**PUBLIC SCHOOL 15, 2195 ANDREWS AVE, BRONX, NY (Continued)**

| | |
|---|---|
| Affiliation Type: | Mail Contact |
| Company Name: | NYC DEPARTMENT OF EDUCATION |
| Contact Type: | Not Reported |
| Contact Name: | MUNENDRA SHARMA |
| Address1: | FIELD OPERATIONS-FUEL DIVISION |
| Address2: | 44-36 VERNON BLVD. |
| City: | LONG ISLAND CITY |
| State: | NY |
| Zip Code: | 11101 |
| Country Code: | 001 |
| Phone: | (718) 349-5738 |
| EMail: | JMERLO@SCHOOLS.NYC.GOV |
| Fax Number: | Not Reported |
| Modified By: | MSBAPTIS |
| Date Last Modified: | 2/10/2012 |

| | |
|---|---|
| Site Id: | 28111 |
| Affiliation Type: | On-Site Operator |
| Company Name: | PUBLIC SCHOOL 15 |
| Contact Type: | Not Reported |
| Contact Name: | PLANT OPERATION |
| Address1: | Not Reported |
| Address2: | Not Reported |
| City: | Not Reported |
| State: | NN |
| Zip Code: | Not Reported |
| Country Code: | 001 |
| Phone: | (718) 349-5400 |
| EMail: | Not Reported |
| Fax Number: | Not Reported |
| Modified By: | TRANSLAT |
| Date Last Modified: | 3/4/2004 |

| | |
|---|---|
| Site Id: | 28111 |
| Affiliation Type: | Emergency Contact |
| Company Name: | NYC DEPARMENT OF EDUCATION |
| Contact Type: | Not Reported |
| Contact Name: | SCHOOL SAFETY |
| Address1: | Not Reported |
| Address2: | Not Reported |
| City: | Not Reported |
| State: | NN |
| Zip Code: | Not Reported |
| Country Code: | 999 |
| Phone: | (718) 935-3300 |
| EMail: | Not Reported |
| Fax Number: | Not Reported |
| Modified By: | NRLOMBAR |
| Date Last Modified: | 6/24/2011 |

**Tank Info:**

**PUBLIC SCHOOL 15, 2195 ANDREWS AVE, BRONX, NY (Continued)**

| | |
|---|---|
| Tank Number: | 001 |
| Tank Id: | 61158 |
| Material Code: | 0001 |
| Common Name of Substance: | #2 Fuel Oil (On-Site Consumption) |

**Equipment Records:**

A00 - Tank Internal Protection - None

D01 - Pipe Type - Steel/Carbon Steel/Iron

G02 - Tank Secondary Containment - Vault (w/access)

J02 - Dispenser - Suction Dispenser

B01 - Tank External Protection - Painted/Asphalt Coating

I04 - Overfill - Product Level Gauge (A/G)

K00 - Spill Prevention - None

L00 - Piping Leak Detection - None

I02 - Overfill - High Level Alarm

C01 - Pipe Location - Aboveground

E00 - Piping Secondary Containment - None

F01 - Pipe External Protection - Painted/Asphalt Coating

H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not Reported |
| Install Date: | 01/01/1995 |
| Capacity Gallons: | 5000 |
| Tightness Test Method: | NN |
| Date Test: | Not Reported |
| Next Test Date: | Not Reported |
| Date Tank Closed: | Not Reported |
| Register: | True |
| Modified By: | KAKYER |
| Last Modified: | 08/02/2006 |
| Material Name: | #2 Fuel Oil (On-Site Consumption) |

| | |
|---|---|
| Tank Number: | 002 |
| Tank Id: | 62508 |
| Material Code: | 0008 |
| Common Name of Substance: | Diesel |

**Equipment Records:**

K00 - Spill Prevention - None

B01 - Tank External Protection - Painted/Asphalt Coating

I04 - Overfill - Product Level Gauge (A/G)

**PUBLIC SCHOOL 15, 2195 ANDREWS AVE, BRONX, NY (Continued)**

A00 - Tank Internal Protection - None

D01 - Pipe Type - Steel/Carbon Steel/Iron

G02 - Tank Secondary Containment - Vault (w/access)

J02 - Dispenser - Suction Dispenser

L00 - Piping Leak Detection - None

I02 - Overfill - High Level Alarm

C01 - Pipe Location - Aboveground

E00 - Piping Secondary Containment - None

F01 - Pipe External Protection - Painted/Asphalt Coating

H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not Reported |
| Install Date: | 01/01/1995 |
| Capacity Gallons: | 275 |
| Tightness Test Method: | NN |
| Date Test: | Not Reported |
| Next Test Date: | Not Reported |
| Date Tank Closed: | Not Reported |
| Register: | True |
| Modified By: | KAKYER |
| Last Modified: | 08/02/2006 |
| Material Name: | Diesel |
| | |
| Tank Number: | 003 |
| Tank Id: | 62509 |
| Material Code: | 0008 |
| Common Name of Substance: | Diesel |

**Equipment Records:**

B01 - Tank External Protection - Painted/Asphalt Coating

K00 - Spill Prevention - None

A00 - Tank Internal Protection - None

D01 - Pipe Type - Steel/Carbon Steel/Iron

G02 - Tank Secondary Containment - Vault (w/access)

J02 - Dispenser - Suction Dispenser

I00 - Overfill - None

L00 - Piping Leak Detection - None

C01 - Pipe Location - Aboveground

E00 - Piping Secondary Containment - None

F01 - Pipe External Protection - Painted/Asphalt Coating

**PUBLIC SCHOOL 15, 2195 ANDREWS AVE, BRONX, NY (Continued)**

H00 - Tank Leak Detection - None

| | |
|---|---|
| Tank Location: | 3 |
| Tank Type: | Steel/Carbon Steel/Iron |
| Tank Status: | In Service |
| Pipe Model: | Not Reported |
| Install Date: | 01/01/1995 |
| Capacity Gallons: | 50 |
| Tightness Test Method: | NN |
| Date Test: | Not Reported |
| Next Test Date: | Not Reported |
| Date Tank Closed: | Not Reported |
| Register: | True |
| Modified By: | KAKYER |
| Last Modified: | 08/02/2006 |
| Material Name: | Diesel |

| APT BUILDING<br>153-175 FATHER ZIESER PLA, BRONX, NY, | | | S106971368 |
|---|---|---|---|
| ▲ 46 | ENE 1/10 - 1/3 | (1192 ft. / 0.226 mi.) | State and tribal leaking storage tank lists |
| | 64 ft. Higher Elevation | 115 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**LTANKS: State and tribal leaking storage tank lists**

| | |
|---|---|
| Site ID: | 332478 |
| Spill Number/Closed Date: | 0407901 / 11/18/2005 |
| Spill Date: | 10/16/2004 |
| Spill Cause: | Tank Overfill |
| Spill Source: | Private Dwelling |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | rmpiper |
| Referred To: | Not Reported |
| Reported to Dept: | 10/16/2004 |
| CID: | 27 |
| Water Affected: | Not Reported |
| Spill Notifier: | Responsible Party |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 10/18/2004 |
| Spill Record Last Update: | 11/18/2005 |
| Spiller Name: | SCOTT WILLIAMS |
| Spiller Company: | AMERINDA HESS |
| Spiller Address: | 238 WEST FORT LEE RD |
| Spiller City,St,Zip: | BOGOTA, NJ 07063 |
| Spiller County: | 001 |
| Spiller Contact: | Not Reported |
| Spiller Phone: | Not Reported |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 267663 |
| DEC Memo: | 11/18/05- DEC Piper contacted building super (Ray 646.271.5125). AS per ray the spill was located on concrete. Hess cleaned it up. No complaints from tenants. |
| Remarks: | Caller reports deliveryman, Carlos Pachos was delivering oil and the tank was overfilled and spilled out the vent pipe. Spill was onto pavement. Hess employees |

**APT BUILDING, 153-175 FATHER ZIESER PLA, BRONX, NY (Continued)**

**Material:**

| | |
|---|---|
| Site ID: | 332478 |
| Operable Unit ID: | 1094711 |
| Operable Unit: | 01 |
| Material ID: | 574837 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 5 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| 2308 UNIVERSITY AVE<br>2308 UNIVERSITY AVE, BRONX, NY, 10468 | | | 1015345498 |
|---|---|---|---|
| ▲ 47 | ESE 1/10 - 1/3 | (1227 ft. / 0.232 mi.) | Historical Gas Stations |
| | 88 ft. Higher Elevation | 139 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**EDR Historical Auto Stations: Historical Gas Stations**

| | |
|---|---|
| Name: | CASTLE AUTO CORP |
| Year: | 2004 |
| Address: | 2308 UNIVERSITY AVE |
| Name: | RHAISA AUTO CORP |
| Year: | 2008 |
| Address: | 2308 UNIVERSITY AVE |

| ST.NICHOLAS OF TOLENTINE<br>2345 UNIVERSITY AVE, BRONX, NY, | | | S102618897 |
|---|---|---|---|
| ▲ J48 | ESE 1/10 - 1/3 | (1279 ft. / 0.242 mi.) | State and tribal leaking storage tank lists |
| | 85 ft. Higher Elevation | 136 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**LTANKS: State and tribal leaking storage tank lists**

| | |
|---|---|
| Site ID: | 264823 |
| Spill Number/Closed Date: | 9702784 / 8/30/2004 |
| Spill Date: | 5/22/1997 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | SIGONA |
| Referred To: | Not Reported |
| Reported to Dept: | 6/4/1997 |
| CID: | 257 |
| Water Affected: | Not Reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 6/4/1997 |
| Spill Record Last Update: | 8/30/2004 |
| Spiller Name: | REV JOHN DELARUSSO |
| Spiller Company: | ST.NICHOLAS OF TOLENTINE |
| Spiller Address: | 2345 UNIVERSITY AVE |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller County: | 001 |
| Spiller Contact: | REV JOHN DELARUSSO |
| Spiller Phone: | (718) 295-6800 |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 215808 |
| DEC Memo: | Not Reported |
| Remarks: | POSS CONNECTION TO SPILL # 8706856 |

**Material:**

| | |
|---|---|
| Site ID: | 264823 |
| Operable Unit ID: | 1045514 |
| Operable Unit: | 01 |

**ST.NICHOLAS OF TOLENTINE, 2345 UNIVERSITY AVE, BRONX, NY (Continued)**

| | |
|---|---|
| Material ID: | 335716 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| CLOSED-LACKOF RECENT INFO<br>2345 UNIVERSITY AVE., NEW YORK CITY, NY, | | | S100144865 |
|---|---|---|---|
| ▲ J49 | ESE 1/10 - 1/3 | (1308 ft. / 0.248 mi.) | State and tribal leaking storage tank lists |
| | 80 ft. Higher Elevation | 131 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**LTANKS: State and tribal leaking storage tank lists**

| | |
|---|---|
| Site ID: | 291544 |
| Spill Number/Closed Date: | 8706856 / 3/4/2003 |
| Spill Date: | 11/12/1987 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | ADMIN. CLOSED |
| Referred To: | Not Reported |
| Reported to Dept: | 11/12/1987 |
| CID: | Not Reported |
| Water Affected: | Not Reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 11/17/1987 |
| Spill Record Last Update: | 8/30/2004 |
| Spiller Name: | Not Reported |
| Spiller Company: | ST.NICHOLAS OF TOLENTINE |
| Spiller Address: | 2345 UNIVERSITY AVE. |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller County: | 001 |
| Spiller Contact: | Not Reported |
| Spiller Phone: | Not Reported |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 236071 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ADMIN.CLOSED"03/04/2003-Closed Due To The Nature / Extent Of The Spill Report8/30/2004 cross ref spill #9702784 |
| Remarks: | (2) TANK 6500 CAPACITY SYSTEM FAILED WITH A LEAK RATE OF .78 G/HR. WILL EXCAVATE, ISOLATE, AND RETEST.CLOSED DUE TO LACK OF ANY RECENT INFO- DOES NOT MEET ANY CLEAN UP REQUIREMENT. |

**CLOSED-LACKOF RECENT INFO, 2345 UNIVERSITY AVE., NEW YORK CITY, NY (Continued)**

**Material:**

| | |
|---|---|
| Site ID: | 291544 |
| Operable Unit ID: | 912715 |
| Operable Unit: | 01 |
| Material ID: | 554878 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | -1 |
| Units: | Pounds |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| | |
|---|---|
| Site ID: | 291544 |
| Spill Tank Test: | 1532245 |
| Tank Number: | Not Reported |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not Reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |

| RESIDENCE<br>2237 UNIVERSITY AVE, BRONX, NY, | | | S104516282 |
|---|---|---|---|
| ▲ 50 | SSE 1/10 - 1/3 | (1334 ft. / 0.253 mi.) | State and tribal leaking storage tank lists |
| | 93 ft. Higher Elevation | 144 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**LTANKS: State and tribal leaking storage tank lists**

| | |
|---|---|
| Site ID: | 130593 |
| Spill Number/Closed Date: | 9911713 / 4/6/2000 |
| Spill Date: | 1/7/2000 |
| Spill Cause: | Tank Overfill |
| Spill Source: | Private Dwelling |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | MCTIBBE |
| Referred To: | Not Reported |
| Reported to Dept: | 1/7/2000 |
| CID: | 252 |
| Water Affected: | Not Reported |
| Spill Notifier: | Fire Department |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1/7/2000 |
| Spill Record Last Update: | 4/6/2000 |
| Spiller Name: | Not Reported |
| Spiller Company: | OIL COMPANY |
| Spiller Address: | UNK |
| Spiller City,St,Zip: | ZZ |
| Spiller County: | 001 |
| Spiller Contact: | UNK |
| Spiller Phone: | (000) 000-0000 |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 112525 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"CONTAINED IN BASEMENT. NO DRAINS. |
| Remarks: | SPILL IS BEING CLEANED UP BY OIL COMPANY-FIRE DEPT REMAINS ON SITETIL CLEANUP IS COMPLETE-SPILL IS STILL UNDER INVESTIGATION. |

**Material:**

**RESIDENCE, 2237 UNIVERSITY AVE, BRONX, NY (Continued)**

| | |
|---|---|
| Site ID: | 130593 |
| Operable Unit ID: | 1090406 |
| Operable Unit: | 01 |
| Material ID: | 297161 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 40 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| HARLEM RIVER FACILITY<br>300 206TH STREET, MANHATTAN, NY, | | | S104501355 |
|---|---|---|---|
| ▼ K51 | W 1/10 - 1/3 | (1367 ft. / 0.259 mi.) | State and tribal leaking storage tank lists<br>Other Standard Environmental Records |
| | 49 ft. Lower Elevation | 2 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 9515576 |
| Facility Type: | ER |
| DER Facility ID: | 147808 |
| Site ID: | 175857 |
| DEC Region: | 2 |
| Spill Date: | 3/4/1996 |
| Spill Number/Closed Date: | 9515576 / 11/22/1996 |
| Spill Cause: | Other |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 3101 |
| Investigator: | JMKRIMGO |
| Referred To: | Not Reported |
| Reported to Dept: | 3/4/1996 |
| CID: | 282 |
| Water Affected: | Not Reported |
| Spill Source: | Commercial/Industrial |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 3/4/1996 |
| Spill Record Last Update: | 5/11/2004 |
| Spiller Name: | SAME |
| Spiller Company: | DOT |
| Spiller Address: | Not Reported |
| Spiller City,St,Zip: | NY |
| Spiller Company: | 001 |
| Contact Name: | MIKE ILIAKIS |
| Contact Phone: | (212) 569-5100 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"NO SPILL. |
| Remarks: | they removed 2 550 gallon tanks from the dot facility.nothing was spilled removal date was april 5 1995. |

**Material:**

**HARLEM RIVER FACILITY, 300 206TH STREET, MANHATTAN, NY (Continued)**

**Tank Test:**

**LTANKS: State and tribal leaking storage tank lists**

| | |
|---|---|
| Site ID: | 243745 |
| Spill Number/Closed Date: | 0104067 / 12/18/2007 |
| Spill Date: | 7/17/2001 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Commercial/Industrial |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Standard: | True |
| SWIS: | 3101 |
| Investigator: | AXDORONO |
| Referred To: | REQUEST FOR SPILL CLOSURE |
| Reported to Dept: | 7/17/2001 |
| CID: | 382 |
| Water Affected: | Not Reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 7/17/2001 |
| Spill Record Last Update: | 12/26/2007 |
| Spiller Name: | Not Reported |
| Spiller Company: | NYC DOT |
| Spiller Address: | Not Reported |
| Spiller City,St,Zip: | NY |
| Spiller County: | 999 |
| Spiller Contact: | LUCILLE FITZGERALD |
| Spiller Phone: | (516) 485-0000 |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 200203 |
| DEC Memo: | 06/14/2007: This spill case was transferred to A. Doronova. AD06/19/2007: Reviewed Tank Closure report. It states that:On July 16, 2003 one 3,000 gallon fuel oil UST was permanently abandoned in-place at the Harlem River Bridge site. It is DDC site. Visual inspection of the tank reveled no evidence of leakage. Since the tank was closed in place, post tank closure soil samples were not collected. However four soil borings, SB-01 through SB-04, were performed adjacent to UST on August 11, 2003. Analytical results of sampling revealed the presence of residual concentrations of VOCs in |

**HARLEM RIVER FACILITY, 300 206TH STREET, MANHATTAN, NY (Continued)**

two of the four samples and SVOCs in one of the four samples, all at concentrations below ASCs (Allowable Soil Concentration). Based on the data consultant (Shaw) requested NFA for this spill.In lab data method detection limit is elevated and varies all the time for the same compound depending of the soil boring. Have to ask J. Kolleeny. ADSent an email to A. Samani (DDC) with the request for additional soil and groundwater investigation in the vicinity of the closed in-place fuel oil UST. (cc: J. Kolleeny; T. Ahmad; J. Staten and H. Roberts). AD09/17/2007: Received Additional Site Subsurface Investigation Work Plan dated September 17, 2007, submitted by URS. The plan proposes installation of two monitoring wells on the eastern and western sides of abandoned in-place UST. It states that monitoring wells cannot be installed north and south of the USt, because West 206th Street and a existing building located immediately north and south of the UST. URC proposes to collect soil and groundwater samples and analyze them for VOCs and SVOCs. Monitoring wells also will be surveyed for location and elevation. According to the Tank Closure Report, submitted by Shaw earlier, four soil borings were advanced around the fuel oil UST for collecting end-point samples. Soil samples from borings on the northern and southern sides of the UST indicated elevated concentrations of SVOCs. This data indicates, that installation of monitoring wells to the north and south of UST is feasible. Have to speak to J. Staten of URS. AD09/27/2007: Spoke with J. Staten regarding feasibility of installation of the wells on the northern and southern sides of UST. She said that it involves obtaining a street permit, traffic plan and other procedures. I asked, if it possible to relocate MW-01 close to the UST. I sent a Figure 3 with indication of new location of MW-01 to Jane by fax. AD12/17/2007: Received Field Investigation Summary and Request for Spill Closure from URS. The summary states that on October 16, 2007 two monitoring wells were installed at the approved locations. Two soil samples were collected from each well borehole at 3 to 5 feet bgs and 7 to 9 feet bgs. The analytical data indicated presence of trace levels of VOCs and SVOCs at concentrations below TAGM #4046 soil guidance values. On November 14, 2007, groundwater samples were collected from wells MW-01 and MW-02. According to labresults, presence of any VOCs or SVOCs were not detected in the

**HARLEM RIVER FACILITY, 300 206TH STREET, MANHATTAN, NY (Continued)**

| | |
|---|---|
| Remarks: | sampled groundwater. Based on the data, URS recommended closure of the spill case. AD12/18/2007: Spoke with J. Kolleeny regarding this site. Sent a No Further Action letter to A. Samani (cc: J.Kolleeny; M.Asbagh; H.Roberts and J.Staten). PDF version is in eDocs. AD gross failure. |

**Material:**

| | |
|---|---|
| Site ID: | 243745 |
| Operable Unit ID: | 840688 |
| Operable Unit: | 01 |
| Material ID: | 532573 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| | |
|---|---|
| Site ID: | 243745 |
| Spill Tank Test: | 1526461 |
| Tank Number: | 1 |
| Tank Size: | 3000 |
| Test Method: | 03 |
| Leak Rate: | 0 |
| Gross Fail: | Not Reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Horner EZ Check I or II |

| BRONX COMMUNITY COLLEGE<br>WEST 181ST & UNIVERSITY AVE, BRONX, NY, | | | S109416321 |
|---|---|---|---|
| ▲ 52 | SSW 1/10 - 1/3 | (1389 ft. / 0.263 mi.) | State and tribal leaking storage tank lists |
| | 122 ft. Higher Elevation | 173 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**LTANKS: State and tribal leaking storage tank lists**

| | |
|---|---|
| Site ID: | 408967 |
| Spill Number/Closed Date: | 0811391 / 9/1/2009 |
| Spill Date: | 10/14/2008 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Not Reported |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | bkfalvey |
| Referred To: | Not Reported |
| Reported to Dept: | 1/15/2009 |
| CID: | Not Reported |
| Water Affected: | Not Reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 1/15/2009 |
| Spill Record Last Update: | 9/1/2009 |
| Spiller Name: | WAYNE MURPHY |
| Spiller Company: | BRONX COMMUNITY COLLEGE |
| Spiller Address: | WEST 181ST & UNIVERSITY AVE |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller County: | 999 |
| Spiller Contact: | BRIAN FALDEY |
| Spiller Phone: | (718) 482-7129 |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 358221 |
| DEC Memo: | 1/15/09 Reviewed tank tightness test report dated 1014/08. Report states that tank and line associated with tank 5 was inconclusive. Found leak at ATG riser and leak at manway lines. Notified engineer on-site. Checked database and no spill could be found. Called Tanknology and they have no record of calling in spill. I was told their procedure is to call spill hotline when a tank fails. I called |

**BRONX COMMUNITY COLLEGE, WEST 181ST & UNIVERSITY AVE, BRONX, NY (Continued)**

| | |
|---|---|
| | Wayne Murphy of Bronx Community College (718)289-5245 and left message regarding spill and to return me call.1/16/09 Sent ttf letter to:Wayne Murphy, Chief Administrative SuperintendentBronx Community CollegeWest 181st Street/University AvenueBronx, NY 10453Received call from Michael Spath of CUNY. Told him about ttf letter. He will provide response after he receives letter. He told me the tank failed because of the manhole gasket and that it was repaired. bf 9/1/09 Received faxed letter from Michael Dillon, Senior stationary engineer at BCC. Tank failed because of a gauge line on top of the tank. No release of fuel. Tank was retested on 1/9/09 and passed. NFA. bf |
| Remarks: | TANK TEST FAILURE ON A 25,000 GALLON UST. UNK IF ANY PRODUCT WAS SPILLED. |

**Material:**

| | |
|---|---|
| Site ID: | 408967 |
| Operable Unit ID: | 1165472 |
| Operable Unit: | 01 |
| Material ID: | 2156883 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | Not Reported |
| Units: | Gallons |
| Recovered: | Not Reported |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| RESIDENCE<br>2440 WEBB AVE, BRONX, NY, | | | S103272658 |
|---|---|---|---|
| ▲ 53 | ENE 1/10 - 1/3 | (1437 ft. / 0.272 mi.) | State and tribal leaking storage tank lists<br>Other Standard Environmental Records |
| | 86 ft. Higher Elevation | 137 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 9511027 |
| Facility Type: | ER |
| DER Facility ID: | 220384 |
| Site ID: | 270722 |
| DEC Region: | 2 |
| Spill Date: | 12/2/1995 |
| Spill Number/Closed Date: | 9511027 / 12/4/1995 |
| Spill Cause: | Equipment Failure |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 0301 |
| Investigator: | GUTIERREZ |
| Referred To: | Not Reported |
| Reported to Dept: | 12/2/1995 |
| CID: | 312 |
| Water Affected: | Not Reported |
| Spill Source: | Private Dwelling |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 12/2/1995 |
| Spill Record Last Update: | 12/4/1995 |
| Spiller Name: | Not Reported |
| Spiller Company: | BLDG OWNER |
| Spiller Address: | Not Reported |
| Spiller City,St,Zip: | NY |
| Spiller Company: | 999 |
| Contact Name: | Not Reported |
| Contact Phone: | (718) 543-8787 |
| DEC Memo: | Not Reported |
| Remarks: | DEFECTIVE EQUIPMENT - BEING CLEANED UP NOW |

**Material:**

| | |
|---|---|
| Site ID: | 270722 |
| Operable Unit ID: | 1025355 |

**RESIDENCE, 2440 WEBB AVE, BRONX, NY (Continued)**

| | |
|---|---|
| Operable Unit: | 01 |
| Material ID: | 358379 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 3 |
| Units: | Gallons |
| Recovered: | 3 |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

**LTANKS: State and tribal leaking storage tank lists**

| | |
|---|---|
| Site ID: | 343817 |
| Spill Number/Closed Date: | 0500759 / 4/21/2005 |
| Spill Date: | 4/18/2005 |
| Spill Cause: | Tank Overfill |
| Spill Source: | Tank Truck |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Standard: | True |
| SWIS: | 0301 |
| Investigator: | SMSANGES |
| Referred To: | Not Reported |
| Reported to Dept: | 4/18/2005 |
| CID: | 407 |
| Water Affected: | Not Reported |
| Spill Notifier: | Responsible Party |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 4/18/2005 |
| Spill Record Last Update: | 4/21/2005 |
| Spiller Name: | JIM CAREY |
| Spiller Company: | CASTLE OIL |
| Spiller Address: | Not Reported |
| Spiller City,St,Zip: | ***Update***, ZZ |
| Spiller County: | 001 |
| Spiller Contact: | SOLAR MANAGEMENT |
| Spiller Phone: | (212) 633-9985 |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 220384 |
| DEC Memo: | Sangesland spoke to Jim Carey at Castle, he said the spill was minor |

**RESIDENCE, 2440 WEBB AVE, BRONX, NY (Continued)**

| | |
|---|---|
| | on the sidewalk and has been cleaned up. Several calls were made to Solar Management, but no calls were returned. |
| Remarks: | Spill has been cleaned up. |

**Material:**

| | |
|---|---|
| Site ID: | 343817 |
| Operable Unit ID: | 1102496 |
| Operable Unit: | 01 |
| Material ID: | 582714 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 7 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| 333 EAST 206TH ST./ST. BR<br>333 EAST 206TH ST., NEW YORK CITY, NY, | | | S104275483 |
|---|---|---|---|
| ▼ K54 | W 1/10 - 1/3 | (1475 ft. / 0.279 mi.) | State and tribal leaking storage tank lists |
| | 41 ft. Lower Elevation | 10 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Crossgradient: YES

**LTANKS: State and tribal leaking storage tank lists**

| | |
|---|---|
| Site ID: | 251982 |
| Spill Number/Closed Date: | 8705619 / 7/26/1993 |
| Spill Date: | 10/3/1987 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | 7/26/1993 |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | BATTISTA |
| Referred To: | Not Reported |
| Reported to Dept: | 10/3/1987 |
| CID: | Not Reported |
| Water Affected: | Not Reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 10/5/1987 |
| Spill Record Last Update: | 2/15/1994 |
| Spiller Name: | Not Reported |
| Spiller Company: | ST. BRENDAN'S CHURCH |
| Spiller Address: | 333 EAST 206TH ST. |
| Spiller City,St,Zip: | BX, NY |
| Spiller County: | 001 |
| Spiller Contact: | Not Reported |
| Spiller Phone: | Not Reported |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 206478 |
| DEC Memo: | Not Reported |
| Remarks: | 2500 GAL. TANK FAILED TEST, HIGH VOLUME LEAK, WILL EXCAVATE, ISOLATE,AND RETEST. CONTACT: FR. BOYLE (212) 547-6655. |

**Material:**

| | |
|---|---|
| Site ID: | 251982 |

**333 EAST 206TH ST./ST. BR, 333 EAST 206TH ST., NEW YORK CITY, NY (Continued)**

| | |
|---|---|
| Operable Unit ID: | 911744 |
| Operable Unit: | 01 |
| Material ID: | 468205 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | -1 |
| Units: | Not Reported |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| | |
|---|---|
| Site ID: | 251982 |
| Spill Tank Test: | 1531821 |
| Tank Number: | Not Reported |
| Tank Size: | 0 |
| Test Method: | 00 |
| Leak Rate: | 0 |
| Gross Fail: | Not Reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | Unknown |

| SPILL NUMBER 0204392<br>2320 AQUEDUCT AVE, BRONX, NY, | | | S105996362 |
|---|---|---|---|
| ▲ 55 | ESE 1/10 - 1/3 | (1507 ft. / 0.285 mi.) | State and tribal leaking storage tank lists |
| | 69 ft. Higher Elevation | 120 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**LTANKS: State and tribal leaking storage tank lists**

| | |
|---|---|
| Site ID: | 221690 |
| Spill Number/Closed Date: | 0204392 / 3/26/2004 |
| Spill Date: | 7/26/2002 |
| Spill Cause: | Tank Overfill |
| Spill Source: | Private Dwelling |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | CESAWYER |
| Referred To: | Not Reported |
| Reported to Dept: | 7/26/2002 |
| CID: | 398 |
| Water Affected: | Not Reported |
| Spill Notifier: | Other |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 7/26/2002 |
| Spill Record Last Update: | 3/26/2004 |
| Spiller Name: | Not Reported |
| Spiller Company: | Not Reported |
| Spiller Address: | SAME |
| Spiller City,St,Zip: | ZZ - |
| Spiller County: | 001 |
| Spiller Contact: | ROBERT HILL |
| Spiller Phone: | (718) 579-3414 |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 183345 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"1/6/04-Vought-Spill transferred from Vought to Austin.1/27/04 - Sawyer - Spill transferred from Austin to Sawyer.3/26/04 - Sawyer - Spoke with super of the building at the time a Jacob Selechuick and he assured me that the spill was completely cleaned up at the |

**SPILL NUMBER 0204392, 2320 AQUEDUCT AVE, BRONX, NY (Continued)**

| | |
|---|---|
| | appropriate time. Closed. |
| Remarks: | all contained. tank overfill due to faulity gauge. no call back requested. |

**Material:**

| | |
|---|---|
| Site ID: | 221690 |
| Operable Unit ID: | 857196 |
| Operable Unit: | 01 |
| Material ID: | 518645 |
| Material Code: | 0002A |
| Material Name: | #4 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 10 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| SHELTERING ARMS<br>2207 UNIVERSITY AVE, BRONX, NY, | | | S106124347 |
|---|---|---|---|
| ▲ 56 | SSE 1/10 - 1/3 | (1546 ft. / 0.293 mi.) | State and tribal leaking storage tank lists |
| | 93 ft. Higher Elevation | 144 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

**LTANKS: State and tribal leaking storage tank lists**

| | |
|---|---|
| Site ID: | 257911 |
| Spill Number/Closed Date: | 0308539 / 3/14/2007 |
| Spill Date: | 11/11/2003 |
| Spill Cause: | Tank Failure |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Standard: | False |
| SWIS: | 0301 |
| Investigator: | qxabidi |
| Referred To: | Not Reported |
| Reported to Dept: | 11/12/2003 |
| CID: | 205 |
| Water Affected: | Not Reported |
| Spill Notifier: | Responsible Party |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Involvement: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 11/12/2003 |
| Spill Record Last Update: | 3/14/2007 |
| Spiller Name: | CALLER |
| Spiller Company: | SHELTERING ARMS |
| Spiller Address: | 2207 UNIVERSITY AVE |
| Spiller City,St,Zip: | BRONX, NY |
| Spiller County: | 001 |
| Spiller Contact: | CALLER |
| Spiller Phone: | Not Reported |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 211176 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"11/14/03 tipple left 2 messages foe Joshylin Perry. suggested that she call their insurance co to see if they would assist in the cleanup// Petro changed leaking line and what now remains is contaminated soil. Sangesland sent a contaminated soil letter to |

**SHELTERING ARMS, 2207 UNIVERSITY AVE, BRONX, NY (Continued)**

Joshlyn Perry05/24/06: This spill is transferred from Mr. Koon Tang to Q.Abidi.11/01/06: Called Ms. Joshlyn Perry (718)933-1582 nobody answering the phone.02/08/07: Called Mr. Rodger Reirsen, Consultant (Geotrans Company) at (908)534-2303 to discuss regarding this spill. He said This spill occurred due to tank failure, Sheltering Arms hired his company. But Geotrans hired North East Environmental Company, New York to pull the tank. When tank was pulled by North East Environmental Company. Geotrans checked and did not found any product to excavate. Mr. Rodger Riersen will fax me all the documents including soil sample report to close the spill. -QA02/16/07: Called Mr. Rodger Riersen (Geotrans) at (908)534-2303 he was not in the office. Left message to call me back regarding spill. Discussed with Mr. Rodger Riersen regarding spill to make borings around the tank, to evaluate contamination of soil. -QA03/01/07: Talked to Mr. Roger Riersen (impact Environmental) to find out the contact number of Petro Co. to clear this point where they have changed the line and where they have found the soil contamination. Also asked that to send diagram showing fill port to tank and tank to boiler. These thing should be cleared, Impact Environmental has to do borings around that to confim the soil contamination. -QA03/01/07: Called Mr. Roger Riersen to dicuss regarding soil contamination and to find out the contact number of Petro Co. Where they change the line and where they found the soil contamination. Mr. Roger will be available on monday March 5, 2007. I left message to call me back to discuss regarding this spill. -QA03/14/07: Received a package from Mr. Roger Riersen, staff Geologist (GeoTrans, Inc.)on March 14. Reviewed the report based on his discussion with Mr.Reiner Ober, it is likely that historical references to contaminated soil were due to assumptions that were never confirmed by direct observation or laboratory analysis. Petro was never contracted to remove the pipeline and therefore no confirmation of the contaminated soil was ever conducted prior to tank removal activities. Furthermore, no contaminated soil was observed during the removal of the UST and associated pipes on January 10, 2007.GeoTrans inspected the area on March 6, 2007, demonstrates that the former leaking pipe ran through the basement stairwell and no petroleum or soil is present on the exterior wall or foundation where the former leaking pipe was located. On the basis of

**SHELTERING ARMS, 2207 UNIVERSITY AVE, BRONX, NY (Continued)**

| | |
|---|---|
| | information provided by GeoTrans and by the approval of Mr. Jon Kolleeny (Supervisor) this spill is closed. -QA |
| Remarks: | LEAKING U/G TANK. WALL IN BASEMENT STAINED. |

**Material:**

| | |
|---|---|
| Site ID: | 257911 |
| Operable Unit ID: | 877039 |
| Operable Unit: | 01 |
| Material ID: | 502028 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| MERIT SERVICE STATION<br>401 WEST 207TH STREET, MANHATTAN, NY, | | | S108636298 |
|---|---|---|---|
| ▼ 57 | WNW 1/10 - 1/3 | (1610 ft. / 0.305 mi.) | State and tribal leaking storage tank lists<br>Other Standard Environmental Records |
| | 35 ft. Lower Elevation | 16 ft. Above Sea Level | |

**Worksheet:**

**Groundwater Flow Gradient:**

Downgradient: YES

**SPILLS: Other Standard Environmental Records**

| | |
|---|---|
| Facility ID: | 0206149 |
| Facility Type: | ER |
| DER Facility ID: | 223558 |
| Site ID: | 274848 |
| DEC Region: | 2 |
| Spill Date: | 9/13/2002 |
| Spill Number/Closed Date: | 0206149 / 4/3/2003 |
| Spill Cause: | Unknown |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 3101 |
| Investigator: | SMSANGES |
| Referred To: | Not Reported |
| Reported to Dept: | 9/13/2002 |
| CID: | 398 |
| Water Affected: | Not Reported |
| Spill Source: | Gasoline Station |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 9/13/2002 |
| Spill Record Last Update: | 4/3/2003 |
| Spiller Name: | DAVID LEE |
| Spiller Company: | HESS 32517 |
| Spiller Address: | 401 WEST 207TH ST |
| Spiller City,St,Zip: | MANHATTAN, NY |
| Spiller Company: | 001 |
| Contact Name: | DAVID LEE |
| Contact Phone: | (518) 436-6585 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"4/3/2003 Hess submitted documentation showing repairs made to their STP sumps and remote fill line. Fuel had accumulated in the sump and the system was tightened and repaired to prevent this leak.Spill Closed |

**MERIT SERVICE STATION, 401 WEST 207TH STREET, MANHATTAN, NY (Continued)**

| | |
|---|---|
| Remarks: | contained in stp sump. no call back needed. in process of clean up. |

**Material:**

| | |
|---|---|
| Site ID: | 274848 |
| Operable Unit ID: | 858648 |
| Operable Unit: | 01 |
| Material ID: | 516759 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 20 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| | |
|---|---|
| Facility ID: | 0700699 |
| Facility Type: | ER |
| DER Facility ID: | 329567 |
| Site ID: | 380084 |
| DEC Region: | 2 |
| Spill Date: | 4/18/2007 |
| Spill Number/Closed Date: | 0700699 / 6/21/2007 |
| Spill Cause: | Other |
| Spill Class: | Not Reported |
| SWIS: | 3101 |
| Investigator: | jbvought |
| Referred To: | Not Reported |
| Reported to Dept: | 4/18/2007 |
| CID: | 444 |
| Water Affected: | Not Reported |
| Spill Source: | Institutional, Educational, Gov., Other |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 4/18/2007 |
| Spill Record Last Update: | 6/21/2007 |
| Spiller Name: | STEVE FRANK |
| Spiller Company: | STREET |
| Spiller Address: | 401 WEST 207TH |
| Spiller City,St,Zip: | MANHATTEN, NY |
| Spiller Company: | 001 |

**MERIT SERVICE STATION, 401 WEST 207TH STREET, MANHATTAN, NY (Continued)**

Contact Name: STEVE FRANK
Contact Phone: (718) 321-3136
DEC Memo: Liro Construction is installing a sewer line for NYC-DDC project - While digging a trench in front of an existing gas station (401 West 207th st)they found weathered petroleum contaminated soil.Sangesland asked Mr. Frank to confirm that the contaminated soil was NOT dumped back into the trench after the new line was installed. Mr. Frank will confirm and call back.Apparently there is already an open spill for the gas station at this location.4/23/07 - Carlson - Received email from Steve Frank at Liro Engineering : "The trench was excavated to install a new water line. Trench length is more than 100 ' but the affected area is only about 10' wide. The trench is about 10' deep there. The contractor reported that nothing unusual was noticed in the soil when the trench was dug and that no liquid was in the trench when excavated. The substance in the trench was not noticed until after the big rainstorm. We inspected the fluid Weds. AM, collected a sample and called the hotline as it smelled and looked like a petroleum product to us. The trench is still open and theContractor does not intend to backfill with the soil that was removed from the trench. "Received laboratory results of sample. DEC Carlson performed site inspection. The sewer line is being installed at approximately 8 ft below grade. One portion about 10ft long is contains water and floating product. This portion is directly downgradient of the Hess station. The portion with water and product is greater than 8 ft deep, and will have a concrete box and manhole around it. The construction operator reported seeing soil staining when groundwater was encountered at approximately 8 ft below grade. Met with the engineer on site Attef Farag (phone 973-623-2999, email afarag@kseng.com). Met with Hess's consultant, Jonathan Curran from Delta. Tim Fisher from Delta will be managing this incident. I indicated to Attef Farag that the water in the excavation will need to pumped out and properly disposed of. 05/14/07-Vought-Called Farag for update on trench installation and to notify him that spill will be closed and referred to Hess open spill at adjacent site. Vought left message for Farag to return call to DEC.05/16/07-Vought-Called Farag for update as no call received and told to call 718-424-4157. Vought called Steve Frank (Liro) and left message to return call to DEC and will provide him with contact info for DEC Carlson and Hess

**MERIT SERVICE STATION, 401 WEST 207TH STREET, MANHATTAN, NY (Continued)**

| | |
|---|---|
| | (who will be managing remediation of source site).06/21/07-Vought-Called Frank (718)321-3136x236 for update and left message that case will be closed and referred to open spill for source Hess Station located at 401W207th Street (spill #0201597). Spill closed by Vought. |
| Remarks: | FOUND CONTAMINATED WHILE DIGGING A TRENCH FOUND WEATHERED PRODUCT |

**Material:**

| | |
|---|---|
| Site ID: | 380084 |
| Operable Unit ID: | 1137575 |
| Operable Unit: | 01 |
| Material ID: | 2127525 |
| Material Code: | 0001A |
| Material Name: | #2 Fuel Oil |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | Not Reported |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| | |
|---|---|
| Facility ID: | 9516087 |
| Facility Type: | ER |
| DER Facility ID: | 62298 |
| Site ID: | 64697 |
| DEC Region: | 2 |
| Spill Date: | 3/15/1996 |
| Spill Number/Closed Date: | 9516087 / 12/9/2003 |
| Spill Cause: | Unknown |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 3101 |
| Investigator: | WXSUN |
| Referred To: | Not Reported |
| Reported to Dept: | 3/15/1996 |
| CID: | 322 |
| Water Affected: | Not Reported |
| Spill Source: | Gasoline Station |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |

**MERIT SERVICE STATION, 401 WEST 207TH STREET, MANHATTAN, NY (Continued)**

| | |
|---|---|
| Date Entered In Computer: | 3/15/1996 |
| Spill Record Last Update: | 7/19/2005 |
| Spiller Name: | ROBERT LLOYD |
| Spiller Company: | MERIT SERVICE STATION |
| Spiller Address: | 401 W 207TH ST |
| Spiller City,St,Zip: | INWOOD, ZZ |
| Spiller Company: | 001 |
| Contact Name: | ROBERT LLOYD |
| Contact Phone: | (610) 866-7799 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SUN"Contaminated soil discovered during tank pullPRIMARY SPILL NUMBER FOR THIS SITE IS 9706124FOR NOTES, LOOK UP THAT SPILL NUMBER.12/9/2003 Reassigned from Sangesland to Sun. To be investigated and remediated under Spill # 97-06124. |
| Remarks: | preliminary soil test indicate contamination around tanks |

**Material:**

| | |
|---|---|
| Site ID: | 64697 |
| Operable Unit ID: | 1027056 |
| Operable Unit: | 01 |
| Material ID: | 566859 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| | |
|---|---|
| Facility ID: | 9504685 |
| Facility Type: | ER |
| DER Facility ID: | 202117 |
| Site ID: | 246119 |
| DEC Region: | 2 |
| Spill Date: | 2/1/1995 |
| Spill Number/Closed Date: | 9504685 / 12/9/2003 |
| Spill Cause: | Unknown |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 2401 |
| Investigator: | WXSUN |
| Referred To: | Not Reported |
| Reported to Dept: | 7/8/1995 |
| CID: | Not Reported |

**MERIT SERVICE STATION, 401 WEST 207TH STREET, MANHATTAN, NY (Continued)**

| | |
|---|---|
| Water Affected: | Not Reported |
| Spill Source: | Gasoline Station |
| Spill Notifier: | Other |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 8/2/1995 |
| Spill Record Last Update: | 7/19/2005 |
| Spiller Name: | Not Reported |
| Spiller Company: | MERIT |
| Spiller Address: | Not Reported |
| Spiller City,St,Zip: | ZZ |
| Spiller Company: | 001 |
| Contact Name: | Not Reported |
| Contact Phone: | Not Reported |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SUN"PRIMARY SPILL NUMBER FOR THIS SITE IS 9706124FOR NOTES, LOOK AT THAT SPILL NUMBER12/9/2003 Reassigned from Sangesland to Sun. To be investigated and remediated under Spill # 97-06124. |
| Remarks: | TOOKL SAMPLES FOR DEP - DEWATERING PERMIT FOR GASOLINE COMPONENTS. |

**Material:**

| | |
|---|---|
| Site ID: | 246119 |
| Operable Unit ID: | 1019445 |
| Operable Unit: | 01 |
| Material ID: | 366196 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | -1 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| | |
|---|---|
| Facility ID: | 0010612 |
| Facility Type: | ER |
| DER Facility ID: | 223558 |
| Site ID: | 274847 |
| DEC Region: | 2 |
| Spill Date: | 12/21/2000 |
| Spill Number/Closed Date: | 0010612 / 12/9/2003 |

**MERIT SERVICE STATION, 401 WEST 207TH STREET, MANHATTAN, NY (Continued)**

| | |
|---|---|
| Spill Cause: | Human Error |
| Spill Class: | Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| SWIS: | 3101 |
| Investigator: | WXSUN |
| Referred To: | Not Reported |
| Reported to Dept: | 12/21/2000 |
| CID: | 312 |
| Water Affected: | Not Reported |
| Spill Source: | Gasoline Station |
| Spill Notifier: | Responsible Party |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Std: | False |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Trust: | False |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 12/21/2000 |
| Spill Record Last Update: | 12/9/2003 |
| Spiller Name: | Not Reported |
| Spiller Company: | AMERADA HESS |
| Spiller Address: | 1 HESS PLAZA |
| Spiller City,St,Zip: | WOODBRIDGE, NJ 07095- |
| Spiller Company: | 001 |
| Contact Name: | Not Reported |
| Contact Phone: | (212) 567-9862 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SUN"PRIMARY SPILL NUMBER FOR THIS SITE IS 9706124 FOR ALL NOTES, LOOK THERE.12/9/2003 Reassigned from Sangesland to Sun. To be investigated and remediated under Spill # 97-06124. |
| Remarks: | DRILLER DRILLED THRU PRODUCT DISPENSING PIPING - POSS ABOUT 5 GAL - WAS CLEANED UP |

**Material:**

| | |
|---|---|
| Site ID: | 274847 |
| Operable Unit ID: | 832645 |
| Operable Unit: | 01 |
| Material ID: | 544505 |
| Material Code: | 0009 |
| Material Name: | Gasoline |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

**MERIT SERVICE STATION, 401 WEST 207TH STREET, MANHATTAN, NY (Continued)**

The NY_SPILL database contains 0 additional records for this site. Please contact your EDR Account Executive for more information.

**LTANKS: State and tribal leaking storage tank lists**

| | |
|---|---|
| Site ID: | 158033 |
| Spill Number/Closed Date: | 9706124 / 6/30/2004 |
| Spill Date: | 8/20/1997 |
| Spill Cause: | Tank Test Failure |
| Spill Source: | Gasoline Station |
| Spill Class: | Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken. |
| Cleanup Ceased: | Not Reported |
| Cleanup Meets Standard: | False |
| SWIS: | 3101 |
| Investigator: | WXSUN |
| Referred To: | CONSOLIDATED WITH 0201957 |
| Reported to Dept: | 8/20/1997 |
| CID: | 311 |
| Water Affected: | Not Reported |
| Spill Notifier: | Tank Tester |
| Last Inspection: | Not Reported |
| Recommended Penalty: | False |
| UST Involvement: | True |
| Remediation Phase: | 0 |
| Date Entered In Computer: | 8/20/1997 |
| Spill Record Last Update: | 2/1/2007 |
| Spiller Name: | SAME |
| Spiller Company: | HESS/MERIT OIL CORP |
| Spiller Address: | UNK |
| Spiller City,St,Zip: | UNK, PA |
| Spiller County: | 001 |
| Spiller Contact: | ANDY FORD |
| Spiller Phone: | (215) 527-7900 |
| Spiller Extention: | Not Reported |
| DEC Region: | 2 |
| DER Facility ID: | 62298 |
| DEC Memo: | Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SUN"PRIMARY SPILL NUMBER FOR THIS SITE:(Ref: 9516087, 9504685, 0010612)12/9/2003 Reassigned from O'Dowd to Sun.06/30/04Site tracked under spill 0201957. See 0201957 for site status. Rommel |
| Remarks: | CALLER STATES BOTH TANKS FAILED TEST. |

**Material:**

| | |
|---|---|
| Site ID: | 158033 |
| Operable Unit ID: | 1052303 |
| Operable Unit: | 01 |
| Material ID: | 331724 |
| Material Code: | 0009 |

**MERIT SERVICE STATION, 401 WEST 207TH STREET, MANHATTAN, NY (Continued)**

| | |
|---|---|
| Material Name: | Gasoline |
| Case No.: | Not Reported |
| Material FA: | Petroleum |
| Quantity: | 0 |
| Units: | Gallons |
| Recovered: | No |
| Resource Affected: | Not Reported |
| Oxygenate: | False |

**Tank Test:**

| | |
|---|---|
| Site ID: | 158033 |
| Spill Tank Test: | 1545281 |
| Tank Number: | 046-047 |
| Tank Size: | 4000 |
| Test Method: | 20 |
| Leak Rate: | 0 |
| Gross Fail: | Not Reported |
| Modified By: | Spills |
| Last Modified: | 10/1/2004 |
| Test Method: | USTest 2000/P/LL plus USTest 2000/U |

# RECORD SOURCES AND CURRENCY

To maintain currency of the following databases, EDR contacts the appropriate agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

**PRP**: Potentially Responsible Parties

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013 | Source: EPA

Number of Days to Update: 3 | Telephone: 202-564-6023

Last EDR Contact :09/30/2014

**RMP**: Risk Management Plans

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/01/2014 | Source: Environmental Protection Agency

Number of Days to Update: 66 | Telephone: 202-564-8600

Last EDR Contact :07/22/2014

**NJ MANIFEST**: Manifest Information

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Hazardous waste manifest information.

Date of Government Version: 12/31/2011 | Source: Department of Environmental Protection

Number of Days to Update: 40 | Telephone: Not Reported

Last EDR Contact :10/10/2014

**AIRS**: Air Emissions Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Point source emissions inventory data.

Date of Government Version: 12/31/2012 | Source: Department of Environmental Conservation

Number of Days to Update: 69 | Telephone: 518-402-8452

Last EDR Contact :11/10/2014

**AST**: Petroleum Bulk Storage

Standard Environmental Record Source: State and tribal registered storage tank lists

# RECORD SOURCES AND CURRENCY

Search Distance: Property

Registered Aboveground Storage Tanks.

Date of Government Version: 07/01/2014
Number of Days to Update: 50
Last EDR Contact :10/01/2014

Source: Department of Environmental Conservation
Telephone: 518-402-9549

**BROWNFIELDS**: Brownfields Site List

Standard Environmental Record Source: State and tribal Brownfields sites
Search Distance: 0.333 Mile

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 07/16/2014
Number of Days to Update: 28
Last EDR Contact :09/25/2014

Source: Department of Environmental Conservation
Telephone: 518-402-9764

**CBS**: Chemical Bulk Storage Site Listing

Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 07/01/2014
Number of Days to Update: 50
Last EDR Contact :10/01/2014

Source: Department of Environmental Conservation
Telephone: 518-402-9549

**CBS AST**: Chemical Bulk Storage Database

Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Number of Days to Update: 30
Last EDR Contact :07/25/2005

Source: NYSDEC
Telephone: 518-402-9549

**CBS UST**: Chemical Bulk Storage Database

Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Number of Days to Update: 30
Last EDR Contact :10/24/2005

Source: NYSDEC
Telephone: 518-402-9549

**COAL ASH**: Coal Ash Disposal Site Listing

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

A listing of coal ash disposal site locations.

# RECORD SOURCES AND CURRENCY

Date of Government Version: 07/09/2014
Number of Days to Update: 35
Last EDR Contact :10/06/2014

Source: Department of Environmental Conservation
Telephone: 518-402-8660

**CORTLAND CO. AST**: Cortland County Storage Tank Listing
Standard Environmental Record Source: State and tribal registered storage tank lists
A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 05/30/2014
Number of Days to Update: 14
Last EDR Contact :09/24/2014

Source: Cortland County Health Department
Telephone: 607-753-5035

**CORTLAND CO. UST**: Cortland County Storage Tank Listing
Standard Environmental Record Source: State and tribal registered storage tank lists
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 05/30/2014
Number of Days to Update: 14
Last EDR Contact :09/24/2014

Source: Cortland County Health Department
Telephone: 607-753-5035

**DEL SHWS**: Delisted Registry Sites
Standard Environmental Record Source: State and tribal - equivalent CERCLIS
Search Distance: 0.333 Mile

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 07/16/2014
Number of Days to Update: 28
Last EDR Contact :09/25/2014

Source: Department of Environmental Conservation
Telephone: 518-402-9622

**DRYCLEANERS**: Registered Drycleaners
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.25 Mile

A listing of all registered drycleaning facilities.

Date of Government Version: 07/17/2014
Number of Days to Update: 27
Last EDR Contact :09/15/2014

Source: Department of Environmental Conservation
Telephone: 518-402-8403

**E DESIGNATION**: E DESIGNATION SITE LISTING
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 06/18/2014
Number of Days to Update: 2
Last EDR Contact :09/23/2014

Source: New York City Department of City Planning
Telephone: 718-595-6658

**ENG CONTROLS**: Registry of Engineering Controls
Standard Environmental Record Source: State and tribal institutional control / engineering control registries

# RECORD SOURCES AND CURRENCY

Search Distance: Property

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 07/16/2014
Number of Days to Update: 28
Last EDR Contact :09/25/2014

Source: Department of Environmental Conservation
Telephone: 518-402-9553

**ERP**: Environmental Restoration Program Listing

Standard Environmental Record Source: State and tribal Brownfields sites

Search Distance: 0.333 Mile

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 07/16/2014
Number of Days to Update: 28
Last EDR Contact :09/25/2014

Source: Department of Environmental Conservation
Telephone: 518-402-9622

**HIST AST**: Historical Petroleum Bulk Storage Database

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Number of Days to Update: 48
Last EDR Contact :10/23/2006

Source: Department of Environmental Conservation
Telephone: 518-402-9549

**HIST LTANKS**: Listing of Leaking Storage Tanks

Standard Environmental Record Source: State and tribal leaking storage tank lists

Search Distance: 0.333 Mile

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Number of Days to Update: 6
Last EDR Contact :07/07/2005

Source: Department of Environmental Conservation
Telephone: 518-402-9549

**HIST SPILLS**: SPILLS Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549

Last EDR Contact :07/07/2005

**HIST UST**: Historical Petroleum Bulk Storage Database

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Number of Days to Update: 48
Last EDR Contact :10/23/2006

Source: Department of Environmental Conservation
Telephone: 518-402-9549

**HSWDS**: Hazardous Substance Waste Disposal Site Inventory

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Number of Days to Update: 41
Last EDR Contact :05/26/2009

Source: Department of Environmental Conservation
Telephone: 518-402-9564

**INST CONTROL**: Registry of Institutional Controls

Standard Environmental Record Source: State and tribal institutional control / engineering control registries

Search Distance: Property

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 07/16/2014
Number of Days to Update: 28
Last EDR Contact :09/25/2014

Source: Department of Environmental Conservation
Telephone: 518-402-9553

**LIENS**: Spill Liens Information

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Lien information from the Oil Spill Fund.

Date of Government Version: 05/21/2014
Number of Days to Update: 19
Last EDR Contact :08/11/2014

Source: Office of the State Comptroller
Telephone: 518-474-9034

**LTANKS**: Spills Information Database

Standard Environmental Record Source: State and tribal leaking storage tank lists

Search Distance: 0.333 Mile

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 05/19/2014

Source: Department of Environmental Conservation

Number of Days to Update: 20 Telephone: 518-402-9549
Last EDR Contact :08/19/2014

**MOSF**: Major Oil Storage Facility Site Listing
Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 07/01/2014 Source: Department of Environmental Conservation
Number of Days to Update: 50 Telephone: 518-402-9549
Last EDR Contact :10/01/2014

**MOSF AST**: Major Oil Storage Facilities Database
Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002 Source: NYSDEC
Number of Days to Update: 30 Telephone: 518-402-9549
Last EDR Contact :07/25/2005

**MOSF UST**: Major Oil Storage Facilities Database
Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002 Source: NYSDEC
Number of Days to Update: 30 Telephone: 518-402-9549
Last EDR Contact :07/25/2005

**NASSAU CO. AST**: Registered Tank Database
Standard Environmental Record Source: State and tribal registered storage tank lists
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 11/20/2013 Source: Nassau County Health Department
Number of Days to Update: 81 Telephone: 516-571-3314
Last EDR Contact :10/06/2014

**NASSAU CO. UST**: Registered Tank Database
Standard Environmental Record Source: State and tribal registered storage tank lists
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 11/20/2013 Source: Nassau County Health Department
Number of Days to Update: 81 Telephone: 516-571-3314
Last EDR Contact :10/06/2014

**NCFM AST**: Storage Tank Database
Standard Environmental Record Source: State and tribal registered storage tank lists
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011 Source: Nassau County Office of the Fire Marshal
Number of Days to Update: 34 Telephone: 516-572-1000

Last EDR Contact :08/05/2014

**NCFM UST**: Storage Tank Database

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Number of Days to Update: 34
Last EDR Contact :08/05/2014

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000

**NY MANIFEST**: Facility and Manifest Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/01/2014
Number of Days to Update: 71
Last EDR Contact :08/07/2014

Source: Department of Environmental Conservation
Telephone: 518-402-8651

**RES DECL**: Restrictive Declarations Listing

Standard Environmental Record Source: State and tribal institutional control / engineering control registries

Search Distance: Property

A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/18/2010
Number of Days to Update: 21
Last EDR Contact :09/26/2014

Source: NYC Department of City Planning
Telephone: 212-720-3401

**ROCKLAND CO. AST**: Petroleum Bulk Storage Database

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 06/23/2014
Number of Days to Update: 41
Last EDR Contact :09/08/2014

Source: Rockland County Health Department
Telephone: 914-364-2605

**ROCKLAND CO. UST**: Petroleum Bulk Storage Database

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 06/23/2014
Number of Days to Update: 41
Last EDR Contact :09/08/2014

Source: Rockland County Health Department
Telephone: 914-364-2605

**SHWS**: Inactive Hazardous Waste Disposal Sites in New York State

Standard Environmental Record Source: State and tribal - equivalent CERCLIS

Search Distance: 0.333 Mile

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 07/16/2014
Number of Days to Update: 28
Last EDR Contact :09/25/2014

Source: Department of Environmental Conservation
Telephone: 518-402-9622

**SPDES**: State Pollutant Discharge Elimination System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 05/29/2014
Number of Days to Update: 13
Last EDR Contact :07/28/2014

Source: Department of Environmental Conservation
Telephone: 518-402-8233

**SPILLS**: Spills Information Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.125 Mile

Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 05/19/2014
Number of Days to Update: 20
Last EDR Contact :08/19/2014

Source: Department of Environmental Conservation
Telephone: 518-402-9549

**SUFFOLK CO. AST**: Storage Tank Database

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 01/30/2014
Number of Days to Update: 34
Last EDR Contact :08/05/2014

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521

**SUFFOLK CO. UST**: Storage Tank Database

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 01/30/2014
Number of Days to Update: 34
Last EDR Contact :08/05/2014

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521

**SWF/LF**: Facility Register

Standard Environmental Record Source: State and tribal landfill / solid waste disposal

Search Distance: 0.333 Mile

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 07/08/2014
Number of Days to Update: 35
Last EDR Contact :10/06/2014

Source: Department of Environmental Conservation
Telephone: 518-457-2051

# RECORD SOURCES AND CURRENCY

**SWRCY**: Registered Recycling Facility List
Standard Environmental Record Source: State and tribal landfill / solid waste disposal
Search Distance: 0.333 Mile

A listing of recycling facilities.

Date of Government Version: 07/08/2014
Number of Days to Update: 35
Last EDR Contact :10/06/2014

Source: Department of Environmental Conservation
Telephone: 518-402-8705

**SWTIRE**: Registered Waste Tire Storage & Facility List
Standard Environmental Record Source: State and tribal landfill / solid waste disposal
Search Distance: 0.333 Mile

A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006
Number of Days to Update: 15
Last EDR Contact :10/20/2014

Source: Department of Environmental Conservation
Telephone: 518-402-8694

**TANKS**: Storage Tank Faciliy Listing
Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: 0.25 Mile

This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 07/01/2014
Number of Days to Update: 43
Last EDR Contact :10/01/2014

Source: Department of Environmental Conservation
Telephone: 518-402-9543

**UIC**: Underground Injection Control Wells
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 06/09/2014
Number of Days to Update: 54
Last EDR Contact :09/10/2014

Source: Department of Environmental Conservation
Telephone: 518-402-8056

**UST**: Petroleum Bulk Storage (PBS) Database
Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 07/01/2014
Number of Days to Update: 50
Last EDR Contact :10/01/2014

Source: Department of Environmental Conservation
Telephone: 518-402-9549

**VAPOR REOPENED**: Vapor Intrustion Legacy Site List
Standard Environmental Record Source: State and tribal - equivalent CERCLIS
Search Distance: 0.333 Mile

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 04/01/2014
Number of Days to Update: 22
Last EDR Contact :08/22/2014

Source: Department of Environmenal Conservation
Telephone: 518-402-9814

**VCP**: Voluntary Cleanup Agreements

Standard Environmental Record Source: State and tribal voluntary cleanup sites

Search Distance: 0.333 Mile

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 07/16/2014
Number of Days to Update: 28
Last EDR Contact :09/25/2014

Source: Department of Environmental Conservation
Telephone: 518-402-9711

**WESTCHESTER CO. AST**: Listing of Storage Tanks

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 06/12/2014
Number of Days to Update: 53
Last EDR Contact :08/05/2014

Source: Westchester County Department of Health
Telephone: 914-813-5161

**WESTCHESTER CO. UST**: Listing of Storage Tanks

Standard Environmental Record Source: State and tribal registered storage tank lists

A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 06/12/2014
Number of Days to Update: 53
Last EDR Contact :08/05/2014

Source: Westchester County Department of Health
Telephone: 914-813-5161

**2020 COR ACTION**: 2020 Corrective Action Program List

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.25 Mile

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Number of Days to Update: 7
Last EDR Contact :08/15/2014

Source: Environmental Protection Agency
Telephone: 703-308-4044

**CERCLIS**: Comprehensive Environmental Response, Compensation, and Liability Information System

Standard Environmental Record Source: Federal CERCLIS

Search Distance: 0.333 Mile

# RECORD SOURCES AND CURRENCY

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013 Source: EPA
Number of Days to Update: 94 Telephone: 703-412-9810
Last EDR Contact :08/28/2014

**CERCLIS-NFRAP**: CERCLIS No Further Remedial Action Planned
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013 Source: EPA
Number of Days to Update: 94 Telephone: 703-412-9810
Last EDR Contact :08/28/2014

**COAL ASH DOE**: Sleam-Electric Plan Operation Data
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Source: Department of Energy
Number of Days to Update: 76 Telephone: 202-586-8719
Last EDR Contact :10/17/2014

**COAL ASH EPA**: Coal Combustion Residues Surface Impoundments List
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014 Source: Environmental Protection Agency
Number of Days to Update: 40 Telephone: Not Reported
Last EDR Contact :09/10/2014

**CONSENT**: Superfund (CERCLA) Consent Decrees
Standard Environmental Record Source: Federal NPL
Search Distance: 0.333 Mile

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2013 Source: Department of Justice, Consent Decree Library
Number of Days to Update: 31 Telephone: Varies
Last EDR Contact :09/30/2014

**CORRACTS**: Corrective Action Report
Standard Environmental Record Source: Federal RCRA CORRACTS facilities list
Search Distance: 0.333 Mile

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/10/2014 Source: EPA
Number of Days to Update: 78 Telephone: 800-424-9346
Last EDR Contact :10/01/2014

**DEBRIS REGION 9**: Torres Martinez Reservation Illegal Dump Site Locations
Standard Environmental Record Source: State and tribal landfill / solid waste disposal
Search Distance: 0.333 Mile

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Source: EPA, Region 9
Number of Days to Update: 137 Telephone: 415-947-4219
Last EDR Contact :07/25/2014

**DELISTED NPL**: National Priority List Deletions
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/25/2013 Source: EPA
Number of Days to Update: 78 Telephone: Not Reported
Last EDR Contact :10/08/2014

**DOT OPS**: Incident and Accident Data
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012 Source: Department of Transporation, Office of Pipeline Safety
Number of Days to Update: 42 Telephone: 202-366-4595
Last EDR Contact :08/06/2014

**EPA WATCH LIST**: EPA WATCH LIST
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Source: Environmental Protection Agency
Number of Days to Update: 88 Telephone: 617-520-3000
Last EDR Contact :08/15/2014

**ERNS**: Emergency Response Notification System
Standard Environmental Record Source: Federal ERNS list
Search Distance: Property

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/30/2013
Number of Days to Update: 66
Last EDR Contact :09/30/2014

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180

**FEMA UST**: Underground Storage Tank Listing

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Number of Days to Update: 55
Last EDR Contact :10/10/2014

Source: FEMA
Telephone: 202-646-5797

**FINDS**: Facility Index System/Facility Registry System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/16/2014
Number of Days to Update: 40
Last EDR Contact :09/10/2014

Source: EPA
Telephone: Not Reported

**FTTS**: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Number of Days to Update: 25
Last EDR Contact :08/19/2014

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667

**FTTS INSP**: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Standard Environmental Record Source: Other Standard Environmental Records

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Number of Days to Update: 25
Last EDR Contact :08/19/2014

Source: EPA
Telephone: 202-566-1667

**FUDS**: Formerly Used Defense Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 06/06/2014
Number of Days to Update: 8
Last EDR Contact :09/10/2014
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285

**HIST FTTS**: FIFRA/TSCA Tracking System Administrative Case Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Number of Days to Update: 40
Last EDR Contact :12/17/2007
Source: Environmental Protection Agency
Telephone: 202-564-2501

**HMIRS**: Hazardous Materials Information Reporting System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/30/2014
Number of Days to Update: 79
Last EDR Contact :10/01/2014
Source: U.S. Department of Transportation
Telephone: 202-366-4555

**ICIS**: Integrated Compliance Information System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 05/06/2014
Number of Days to Update: 32
Last EDR Contact :10/10/2014
Source: Environmental Protection Agency
Telephone: 202-564-5088

**INDIAN LUST R1**: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists

Search Distance: 0.333 Mile

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013
Number of Days to Update: 184
Last EDR Contact :08/01/2014
Source: EPA Region 1
Telephone: 617-918-1313

**INDIAN LUST R10**: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/20/2014 Source: EPA Region 10
Number of Days to Update: 73 Telephone: 206-553-2857
Last EDR Contact :04/28/2014

**INDIAN LUST R4**: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 07/30/2014 Source: EPA Region 4
Number of Days to Update: 10 Telephone: 404-562-8677
Last EDR Contact :04/22/2014

**INDIAN LUST R5**: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 08/04/2014 Source: EPA, Region 5
Number of Days to Update: 17 Telephone: 312-886-7439
Last EDR Contact :04/28/2014

**INDIAN LUST R6**: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/14/2014 Source: EPA Region 6
Number of Days to Update: 61 Telephone: 214-665-6597
Last EDR Contact :07/22/2014

**INDIAN LUST R7**: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 05/22/2014 Source: EPA Region 7
Number of Days to Update: 27 Telephone: 913-551-7003
Last EDR Contact :04/28/2014

**INDIAN LUST R8**: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/13/2014 Source: EPA Region 8
Number of Days to Update: 7 Telephone: 303-312-6271
Last EDR Contact :07/22/2014

**INDIAN LUST R9**: Leaking Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013 Source: Environmental Protection Agency
Number of Days to Update: 42 Telephone: 415-972-3372
Last EDR Contact :07/22/2014

**INDIAN ODI**: Report on the Status of Open Dumps on Indian Lands
Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Number of Days to Update: 52
Last EDR Contact :08/01/2014

Source: Environmental Protection Agency
Telephone: 703-308-8245

**INDIAN UST R1**: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013
Number of Days to Update: 271
Last EDR Contact :08/01/2014

Source: EPA, Region 1
Telephone: 617-918-1313

**INDIAN UST R10**: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/20/2014
Number of Days to Update: 66
Last EDR Contact :07/22/2014

Source: EPA Region 10
Telephone: 206-553-2857

**INDIAN UST R4**: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 07/30/2014
Number of Days to Update: 10
Last EDR Contact :04/22/2014

Source: EPA Region 4
Telephone: 404-562-9424

**INDIAN UST R5**: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/04/2014
Number of Days to Update: 17
Last EDR Contact :04/28/2014

Source: EPA Region 5
Telephone: 312-886-6136

**INDIAN UST R6**: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 07/25/2014
Number of Days to Update: 25
Last EDR Contact :07/22/2014

Source: EPA Region 6
Telephone: 214-665-7591

# RECORD SOURCES AND CURRENCY

**INDIAN UST R7**: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 08/20/2014 Source: EPA Region 7
Number of Days to Update: 27 Telephone: 913-551-7003
Last EDR Contact :04/28/2014

**INDIAN UST R8**: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/13/2014 Source: EPA Region 8
Number of Days to Update: 7 Telephone: 303-312-6137
Last EDR Contact :07/22/2014

**INDIAN UST R9**: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/14/2014 Source: EPA Region 9
Number of Days to Update: 7 Telephone: 415-972-3368
Last EDR Contact :07/22/2014

**INDIAN VCP R1**: Voluntary Cleanup Priority Listing

Standard Environmental Record Source: State and tribal voluntary cleanup sites
Search Distance: 0.333 Mile

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 05/30/2014 Source: EPA, Region 1
Number of Days to Update: 45 Telephone: 617-918-1102
Last EDR Contact :10/01/2014

**INDIAN VCP R7**: Voluntary Cleanup Priority Lisitng

Standard Environmental Record Source: State and tribal voluntary cleanup sites

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Source: EPA, Region 7
Number of Days to Update: 27 Telephone: 913-551-7365
Last EDR Contact :04/20/2009

**LEAD SMELTER 1**: Lead Smelter Sites

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

A listing of former lead smelter site locations.

Date of Government Version: 06/04/2014 Source: Environmental Protection Agency
Number of Days to Update: 46 Telephone: 703-603-8787
Last EDR Contact :10/06/2014

# RECORD SOURCES AND CURRENCY

**LEAD SMELTER 2**: Lead Smelter Sites

Standard Environmental Record Source: Other Standard Environmental Records

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Number of Days to Update: 36
Last EDR Contact :12/02/2009

Source: American Journal of Public Health
Telephone: 703-305-6451

**LIENS 2**: CERCLA Lien Information

Standard Environmental Record Source: Federal CERCLIS

Search Distance: Property

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Number of Days to Update: 37
Last EDR Contact :07/22/2014

Source: Environmental Protection Agency
Telephone: 202-564-6023

**LUCIS**: Land Use Control Information System

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: 0.333 Mile

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/29/2014
Number of Days to Update: 11
Last EDR Contact :08/14/2014

Source: Department of the Navy
Telephone: 843-820-7326

**MLTS**: Material Licensing Tracking System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013
Number of Days to Update: 91
Last EDR Contact :09/08/2014

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169

**NPL**: National Priority List

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/25/2013
Number of Days to Update: 78
Last EDR Contact :10/08/2014

Source: EPA
Telephone: Not Reported

**NPL Site Boundaries**

# RECORD SOURCES AND CURRENCY

Sources:

EPA"s Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-566-0690

EPA Region 1
Telephone: 617-918-1102

EPA Region 2
Telephone: 212-637-4293

EPA Region 3
Telephone: 215-814-5418

EPA Region 4
Telephone: 404-562-8681

EPA Region 5
Telephone: 312-353-1063

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6118

EPA Region 9
Telephone: 415-947-4579

EPA Region 10
Telephone: 206-553-4479

**NPL LIENS**: Federal Superfund Liens

Standard Environmental Record Source: Federal NPL

Search Distance: Property

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Number of Days to Update: 56
Last EDR Contact :08/15/2011

Source: EPA
Telephone: 202-564-4267

**ODI**: Open Dump Inventory

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Number of Days to Update: 39
Last EDR Contact :06/09/2004

Source: Environmental Protection Agency
Telephone: 800-424-9346

**PADS**: PCB Activity Database System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013
Number of Days to Update: 107

Source: EPA
Telephone: 202-566-0500

Last EDR Contact :10/15/2014

**PCB TRANSFORMER**: PCB Transformer Registration Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011 Source: Environmental Protection Agency

Number of Days to Update: 83 Telephone: 202-566-0517

Last EDR Contact :08/01/2014

**Proposed NPL**: Proposed National Priority List Sites

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

A site that has been proposed for listing on the NationalPriorities List through the issuance of a proposed rule in the Federal Register.EPA then accepts public comments on the site, responds to the comments,and places on the NPL those sites that continue to meet therequirements for listing.

Date of Government Version: 10/25/2013 Source: EPA

Number of Days to Update: 78 Telephone: Not Reported

Last EDR Contact :10/08/2014

**RAATS**: RCRA Administrative Action Tracking System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Source: EPA

Number of Days to Update: 35 Telephone: 202-564-4104

Last EDR Contact :06/02/2008

**RADINFO**: Radiation Information Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/07/2014 Source: Environmental Protection Agency

Number of Days to Update: 12 Telephone: 202-343-9775

Last EDR Contact :10/08/2014

**RCRA NonGen / NLR**: RCRA - Non Generators

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/10/2014 Source: Environmental Protection Agency

Number of Days to Update: 78 Telephone: 703-308-8895
Last EDR Contact :10/01/2014

**RCRA-CESQG**: RCRA - Conditionally Exempt Small Quantity Generators
Standard Environmental Record Source: Federal RCRA generators list
Search Distance: Property

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/10/2014 Source: Environmental Protection Agency
Number of Days to Update: 78 Telephone: 703-308-8895
Last EDR Contact :10/01/2014

**RCRA-LQG**: RCRA - Large Quantity Generators
Standard Environmental Record Source: Federal RCRA generators list
Search Distance: Property

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/10/2014 Source: Environmental Protection Agency
Number of Days to Update: 78 Telephone: 703-308-8895
Last EDR Contact :10/01/2014

**RCRA-SQG**: RCRA - Small Quantity Generators
Standard Environmental Record Source: Federal RCRA generators list
Search Distance: Property

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/10/2014 Source: Environmental Protection Agency
Number of Days to Update: 78 Telephone: 703-308-8895
Last EDR Contact :10/01/2014

**RCRA-TSDF**: RCRA - Treatment, Storage and Disposal
Standard Environmental Record Source: Federal RCRA TSD facilities list
Search Distance: 0.333 Mile

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/10/2014 Source: Environmental Protection Agency
Number of Days to Update: 78 Telephone: 703-308-8895
Last EDR Contact :10/01/2014

**ROD**: Records Of Decision

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013 Source: EPA

Number of Days to Update: 74 Telephone: 703-416-0223

Last EDR Contact :09/09/2014

**SCRD DRYCLEANERS**: State Coalition for Remediation of Drycleaners Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011 Source: Environmental Protection Agency

Number of Days to Update: 54 Telephone: 615-532-8599

Last EDR Contact :10/20/2014

**SSTS**: Section 7 Tracking Systems

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Source: EPA

Number of Days to Update: 77 Telephone: 202-564-4203

Last EDR Contact :07/22/2014

**TRIS**: Toxic Chemical Release Inventory System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011 Source: EPA

Number of Days to Update: 44 Telephone: 202-566-0250

Last EDR Contact :08/29/2014

**TSCA**: Toxic Substances Control Act

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006 Source: EPA

Number of Days to Update: 64 Telephone: 202-260-5521

Last EDR Contact :09/26/2014

**UMTRA**: Uranium Mill Tailings Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010 Source: Department of Energy

Number of Days to Update: 146 Telephone: 505-845-0011

Last EDR Contact :08/20/2014

**US AIRS (AFS)**: Aerometric Information Retrieval System Facility Subsystem (AFS)

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/23/2013 Source: EPA

Number of Days to Update: 30 Telephone: 202-564-2496

Last EDR Contact :09/29/2014

**US AIRS MINOR**: Air Facility System Data

Standard Environmental Record Source: Other Standard Environmental Records

A listing of minor source facilities.

Date of Government Version: 10/23/2013 Source: EPA

Number of Days to Update: 30 Telephone: 202-564-2496

Last EDR Contact :09/29/2014

**US BROWNFIELDS**: A Listing of Brownfields Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/22/2014 Source: Environmental Protection Agency

Number of Days to Update: 27 Telephone: 202-566-2777

Last EDR Contact :09/23/2014

**US CDL**: Clandestine Drug Labs

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/25/2014
Number of Days to Update: 41
Last EDR Contact :09/03/2014

Source: Drug Enforcement Administration
Telephone: 202-307-1000

**US ENG CONTROLS**: Engineering Controls Sites List

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: Property

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/18/2014
Number of Days to Update: 31
Last EDR Contact :09/08/2014

Source: Environmental Protection Agency
Telephone: 703-603-0695

**US FIN ASSUR**: Financial Assurance Information

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/04/2014
Number of Days to Update: 46
Last EDR Contact :08/14/2014

Source: Environmental Protection Agency
Telephone: 202-566-1917

**US HIST CDL**: National Clandestine Laboratory Register

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/25/2014
Number of Days to Update: 41
Last EDR Contact :09/03/2014

Source: Drug Enforcement Administration
Telephone: 202-307-1000

**US INST CONTROL**: Sites with Institutional Controls

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: Property

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/18/2014
Number of Days to Update: 31
Last EDR Contact :09/08/2014

Source: Environmental Protection Agency
Telephone: 703-603-0695

**US MINES**: Mines Master Index File

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 01/30/2014
Source: Department of Labor, Mine Safety and Health Administration
Number of Days to Update: 132
Telephone: 303-231-5959
Last EDR Contact :09/04/2014

**DOD**: Department of Defense Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Source: USGS
Number of Days to Update: 62
Telephone: 888-275-8747
Last EDR Contact :10/15/2014

**INDIAN RESERV**: Indian Reservations

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Source: USGS
Number of Days to Update: 34
Telephone: 202-208-3710
Last EDR Contact :10/15/2014

**PWS**: Public Water System Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

This Safe Drinking Water Information System (SDWIS) file contains public water systems name and address, population served and the primary source of water

Date of Government Version: 12/17/2013
Source: EPA
Number of Days to Update: 279
Telephone: Not Reported
Last EDR Contact :09/08/2014

# RECORD SOURCES AND CURRENCY

## HISTORICAL USE RECORDS

**RGA HWS**: Recovered Government Archive State Hazardous Waste Facilities List

Standard Environmental Record Source: Exclusive Recovered Govt. Archives

Search Distance: Property

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: Not Reported
Number of Days to Update: 182
Last EDR Contact :06/01/2012

Source: Department of Environmental Conservation
Telephone: Not Reported

**RGA LF**: Recovered Government Archive Solid Waste Facilities List

Standard Environmental Record Source: Exclusive Recovered Govt. Archives

Search Distance: Property

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: Not Reported
Number of Days to Update: 193
Last EDR Contact :06/01/2012

Source: Department of Environmental Conservation
Telephone: Not Reported

**EDR MGP**: EDR Proprietary Manufactured Gas Plants

Standard Environmental Record Source: Former manufactured Gas Plants

Search Distance: 0.333 Mile

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: 08/28/2009
Number of Days to Update: 55
Last EDR Contact :11/30/2012

Source: EDR, Inc.
Telephone: Not Reported

**EDR US Hist Auto Stat**: EDR Exclusive Historic Gas Stations

Standard Environmental Record Source: Historical Gas Stations

Search Distance: 0.25 Mile

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: 02/20/2007
Number of Days to Update: 42
Last EDR Contact :02/21/2007

Source: EDR, Inc.
Telephone: Not Reported

**EDR US Hist Cleaners**: EDR Exclusive Historic Dry Cleaners

Standard Environmental Record Source: Historical Dry Cleaners

# RECORD SOURCES AND CURRENCY

Search Distance: 0.25 Mile

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: 02/20/2007
Number of Days to Update: 42
Last EDR Contact :02/21/2007

Source: EDR, Inc.
Telephone: Not Reported

# RECORD SOURCES AND CURRENCY

## TOPOGRAPHIC INFORMATION

**USGS 7.5' Digital Elevation Model (DEM)**

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5' minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

**AQUIFLOW® Information System**

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW® Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

**STATSGO:** State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services. The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

**SSURGO:** Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

## STREET AND ADDRESS INFORMATION

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# APPENDIX I

USER QUESTIONNAIRE

# USER QUESTIONNAIRE



Site Name: **233 Landing Road, Bronx NY**

**Title and Signature of Person Completing Questionnaire**

JOHN JOHNSON

DATE: 10/27/14

*The following are a series of questions from ASTM 1527-13 that must be answered in order to qualify for Landowner Liability Protection under CERCLA. Please provide an answer to each question or attach pertinent information.*

(1) Are you aware of any environmental cleanup liens against the *property* that are filed or recorded under federal, tribal, state or local law?

☑ No ☐ Yes (Describe or attach information as Attachment No. ___ )

(2) Are you aware of any Activity and Use Limitations (AULs), such as engineering controls (e.g., engineered caps, foundations, liners, treatment methods, etc. in use to prevent contamination from migrating to surrounding areas), land use restrictions or institutional controls (e.g., administrative measures restricting groundwater use, construction, or property use) that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

☑ No ☐ Yes (Describe or attach information as Attachment No. ___ )

(3) Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☑ No ☐ Yes (Describe or attach information as Attachment No. ___ )

(4) Does the purchase price being paid for this property reasonably reflect the fair market value of the property?

☐No ☑Yes (Describe or attach information as Attachment No. ___ )

Appraisal done.

If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property?*

☑No ☐ Yes (Describe or attach information as Attachment No. ___ )

(5) Are you aware of commonly known or reasonable ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as User,

(5a) Do you know the past uses of the property?

☑No ☑Yes (Describe or attach information as Attachment No. ___ )

Parking lot.

(5b) Do you know of specific chemicals that are present or once were present at the property?

☑No ☐ Yes (Describe or attach information as Attachment No. ___ )

(5c) Do you know of spills or other chemical releases that have taken place at the property?

☑No ☐ Yes (Describe or attach information as Attachment No. ___ )

(5d) Do you know of any environmental cleanups that have taken place at the property?

☐No ☑Yes (Describe or attach information as Attachment No. ___ )

Con Ed.

(6) As the User of the ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

☑ No ☐ Yes (Describe or attach information as Attachment No. ___ )

(7) ASTM identifies certain documents as "Helpful Documents" for the understanding of environmental conditions at the Site. Are you aware of any of the following documents; and if so, can they be made available?

*Prior Environmental Assessments*
*Compliance Reports*
*Environmental Permits*
*Tank Registrations*
*Material Safety Data Sheets (MSDS)*
*Safety or Spill Protection Plans*
*Risk Assessments*
*Hazardous Waste Generation Notices*
*Notices from Environmental Agencies*
*Underground Injection System Registrations*
*Community Right to Know Plans*
*Hydrogeologic or Geotechnical Reports*

☐ No ☑ Yes (Describe or attach information as Attachment No. ___ )

Provided.

(8) Do you know who the past owners of the property are and can you provide contact information?

☐ No ☑ Yes (Describe or attach information as Attachment No. ___ )

Warren Diamond. c/o Diaz & Associates
(718) 216-3430

(9) Do you have a complete site plan of the property that shows property boundaries and can you make it available?

☐ No ☑ Yes (Describe or attach information as Attachment No. ___ )

# APPENDIX J

ENVIRONMENTAL PROFESSIONAL QUALIFICATIONS

# Benjamin Alter, PG, LSRP
**Principal**

## RESUME

### Education

B.S., 1980, Geology/Mathematics, State University of New York at Albany

M.S., 1983, Geophysics, Cornell University

M.B.A., 1989, Management/Finance, Columbia University

### Professional Registrations

Licensed Site Remediation Professional, State of NJ, #574552

Hazardous Waste Site Supervisor

New England Consortium, 01487

Professional Geologist, Tennessee, 4611

New Jersey Underground Storage Tank Closure and Subsurface Evaluation, #0003397

NJ DHSS - Indoor Environmental Consultant/IEHA, #107

### Areas of Specialization

Environmental Site Assessments

Remediation

Litigation Support

Geology/Hydrogeology

Asbestos-Containing Materials

### Summary of Experience

Mr. Alter has over 25 years of experience in the environmental and earth sciences. He has designed and managed multiple remedial investigations and remediations, and has conducted hundreds of site assessments throughout the United States. Mr. Alter has provided litigation services for numerous hazardous waste cases. From 2000-2009 he was an adjunct professor at the Hunter College School of Health Sciences in NYC and has published numerous articles on environmental investigations and remediations. His textbook on environmental consulting was published by CRC Press in June 2012. Mr. Alter has taken a leadership role in the development of New Jersey's Licensed Site Remediation Professional (LSRP) program and was nominated to serve on the SRP Licensing Board.

### Relevant Project Experience

**PUBLIC PROJECTS**

**Case LSRP, City of Newark/ECIA Lease Back Program, New Jersey.** Providing environmental consulting services related to remediation and closure of seven City of Newark-owned sites in the Essex County Improvement Authority (ECIA) sales lease back public buildings program. Contract encompasses police, fire and social services facilities.

**Principal-in-Charge, Essex County Department of Public Works/Hendricks Field Golf Course, Belleville, New Jersey.** Assisted Essex County with compliance issues and NJDEP closure related to former and existing underground storage tanks (USTs). An RAO was issued.

**Case LSRP, U.S. GSA/Newark Federal Kids Care, Peter Rodino Federal Building, Newark, New Jersey.** After conducting an Indoor Environmental Health Assessment (IEHA) as required by the NJ DHSS and NJDEP as a requisite of daycare licensing, issued an unrestricted use Response Action Outcome (RAO) for new site of daycare administered by the United States General Services Administration.

**Case LSRP, Bergen County Health Department, Paramus, New Jersey.** On-call contract provides LSRP services as needed for remediation of contamination on County-owned properties, including the Bergen Regional Medical Center and Campgaw Mountain.

**Case LSRP, Ridgefield Memorial High School, Ridgefield, New Jersey**. Assisted Ridgefield Board of Education with LSRP compliance issues and remediation of contamination related to a former, leaking underground storage tank. An RAO was issued.

**Principal in Charge, Township of Teaneck, New Jersey/Votee Park.** Investigation of contaminated public park. Initially oversaw preparation of a Preliminary Assessment as prerequisite for Green Acres program funding for the installation of an Astroturf soccer field. Oversaw Site/Remedial Investigation.

**Case LSRP, County of Ocean, New Jersey.** As part of an on-call environmental engineering services contract with Ocean County, completed numerous Preliminary Assessments; each property, to be maintained as open space, was to be purchased by the County through NJDEP Green Acres funding program.

**Principal-in-Charge, Asbury Park DPW, Asbury Park, New Jersey.** Assisting Asbury Park DPW with compliance issues and NJDEP closure related to former and existing underground storage tanks (USTs).

**Principal-in-Charge, Passaic County Community College, Paterson, New Jersey.** As part of an on-call contract, provided pre-design environmental and geotechnical investigations in support of an addition to the Wanaque campus Academic Center and completed Phase I Environmental Site Assessments in support of property acquisitions.

**Consultant Reviewer, Lead Risk Assessment Services, New York City Economic Development Corporation (NYCEDC) Build it Back Program, various locations, New York City.** Lend expertise, as needed, and review work of team conducting Lead Risk Assessments, analyzing field data (including XRF, dust wipe, and soil data) and preparing reports as part of pre-construction services to support New York City's Build it Back (BiB) Program. The purpose of the BiB Program is to assist homeowners, landlords and tenants in the five boroughs whose primary residence was damaged by Superstorm Sandy in 2012. Completed over 400 reports on an accelerated schedule.

**ADDITIONAL ENVIRONMENTAL TESTING, INVESTIGATION, REMEDIATION PROJECTS**

**Case LSRP, Unimatic Manufacturing, Fairfield, New Jersey.** Helped to obtain cost recovery from three insurance companies for a former die-casting facility with PCB contamination. Assisted in the preparation of a Remediation Agreement to facilitate the property's sale. Performed an extensive soil and groundwater investigation under New Jersey's ISRA program. Delineated the extent of PCB contamination in the soils and groundwater and remediated over 4000 tons of PCB-contaminated soils by removal. Used a mobile lab to analyze post-excavation samples for PCBs. Directed a Risk Assessment, which was used to negotiate higher cleanup standards for PCBs in the soils.

**Principal-in-Charge, PQ Corporation, Rahway New Jersey.** Large ISRA site with over 50 Areas of Concern (AOCs) for a specialty inorganic performance chemicals manufacturer and an out-of-service furnace. Soil and groundwater contamination includes metals (lead, chromium, and sodium), PCBs, and petroleum compounds. Oversaw the remedial investigation (RI) of the Site, remedial actions, and preparation of Remedial Action Workplan (RAW) that includes the demolition of the furnace and associated structures. Also oversaw an EPA-regulated PCB cleanup simultaneously.

**Principal-in-Charge, Potters Industries, Carlstadt, New Jersey.** Large ISRA site with over 32 AOCs for a highway safety marking glass bead manufacturer. Soil contamination included metals (lead, silver, and zinc) and petroleum. Assisted the client as they navigated the ISRA regulations from the General Information Notice (GIN) submittal through Remedial Action (RA) phases. Investigation and remediation of the Site included the excavation, transport, and disposal of over 500-tons of contaminated soils; successfully established site-specific remediation standards that saved the client hundreds of thousands of dollars in remediation costs; and demonstrated that metals in groundwater were naturally occurring. Remedial Action Outcome (RAO) for soils only was issued, working towards RAO for entire site.

**Project Director, Commercial Lender Property, Morristown, New Jersey.** Prepared expert reports to support successful litigations against the project's former environmental consultant and the former property owner at a Site with multiple types of contamination. Performed a preliminary assessment (PA), baseline ecological evaluation, VI survey, and soil and groundwater remedial investigation. Remediated PCB-contaminated soils beneath the building by underpinning the building prior to excavation. Remediated PCE-contaminated groundwater by In Situ Chemical Oxidation (ISCO) using Zero Valent Iron (ZVI).

**Project Director, Fortune 500 Company, Bayonne, New Jersey.** Directed a remedial investigation at a three-acre property. Work included obtaining a LURP-2 permit due to the presence of regulated tidelands on a portion of the Site, a soils investigation, and a groundwater investigation in fractured bedrock down to 450 feet below grade. Prepared and implemented a vapor intrusion work plan (VIWP) of 17 neighboring residences. Designed and installed a vapor mitigation system in a nearby residence to address an Immediate Environmental Concern (IEC) caused by the intrusion of chlorobenzene.

**Project Director, Industrial Property, Fairfield, New Jersey.** Delineated 1,1-Dichloroethene (DCE) in shallow groundwater. Established a CEA over the contaminated portion of the aquifer.

**Case LSRP, Industrial Site, Passaic, New Jersey.** Directed the PA, SI, and soil remediation at a truck terminal in support of a real estate transaction. Established a Deed Notice over residual contaminated soil.

**Case LSRP, Industrial Facility, Newark, New Jersey**. Performed a PA, SI, and closed USTs to comply with ISRA.

**Project Director, Residential Properties, Maplewood, New Jersey.** Remediated two residential properties impacted by a leaking UST through a lump sum contract. Obtained funding through a grant from the New Jersey EDA and insurance coverage. Designed and conducted the remediation of impacted groundwater beneath one of the homes using in situ oxidation. Received an unconditional NFA letter from the State.

**Project Director, Erbograph Project, New York, New York**. Directed numerous tasks for a LEED-Certified redevelopment project in Harlem, including: geotechnical investigation; soil and groundwater investigation; assisted in the Green building design; the removal and remediation of a leaking UST; community perimeter air monitoring during removal of contaminated soils; engineering inspections of footing and foundation installation.

**Project Director, Environmental Reviews and Preliminary Assessments, numerous Day Care Centers throughout New Jersey.** Conducted environmental reviews and PAs for numerous day care centers throughout New Jersey to support the day care's license renewal process. Issued RAOs as the project LSRP.

**Project Director, Non-Profit Agency, Bronx, New York.** Conducted geotechnical and environmental investigations on a redevelopment project for a community-based group. Removed a UST, conducted a soil gas survey, delineated contaminated historical fill. Prepared an RIWP and an RAWP in accordance with HPD and NYCDEP guidelines. Provided structural engineering consulting services regarding the building's pilings, foundation, and underdrain system.

**Project Director, former Gasoline Filling Station, Bergenfield, New Jersey.** Removed USTs and remediated soils and groundwater at a former gasoline filling station. Designed and implemented an in situ oxidation remediation of BTEX in the site groundwater. Applied for and obtained grant monies from New Jersey's HDSRF fund.

**Project Director, Non-Profit Agency, Hoboken, New Jersey.** Provided turnkey services in support of a community development loan for a non-profit public services firm. Performed Phase I/II ESAs, removed a UST and closed a 15,000-gallon UST in-place. Established a Deed Notice over the portion of the Site with residual soil contamination. Assessed condition of lead-based paint at facility and prepared an LBP O&M Plan. Completed an environmental review for its day care facility.

**Project Director, Trucking Facility, Rochester, New York.** Directed a groundwater remediation project at an active trucking facility. Designed and implemented an in situ chemical oxidation program for the remediation of MTBE in groundwater. Received an unrestricted NFA determination from the NYSDEC.

## Professional Development

NJSPE Institute for Professional Leadership, 2005
40-Hour OSHA Health & Safety
OSHA Site Supervisor
USDOT/IATA Shipping and/or Transportation of Hazardous Materials

## Professional Activities

New Jersey Licensed Site Remediation Professional Association (LSRPA) – Steering Committee
NJDEP Site Remediation Advisory Group (SRAG)
National Ground Water Association
Environmental Business Council of New Jersey
Advisory Board Member, Essex Community College Science Department
Advisory Board Member, Rutgers-Newark Earth Sciences Department

## Publications

Alter, B. "New Jersey's LSRP Program is on the Road to Success: A One-Year Update" Commerce, May 2013.

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**LIMITED SITE INVESTIGATION REPORT**
**233 LANDING ROAD**
**BLOCK 3236, LOT 25**
**BRONX, NEW YORK**

**PREPARED FOR:**
Bowery Residents' Committee
131 West 25th Street- 12th Floor
New York, NY 10001

**PREPARED BY:**
GZA GeoEnvironmental, Inc.
55 Lane Road, Suite 407
Fairfield, New Jersey 07004

May 15, 2014
File No. 12.0076232.00

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# 1.00 INTRODUCTION

This report presents the results of a limited Phase II Site Investigation (SI) conducted by GZA GeoEnvironmental, Inc. (GZA) on behalf Bowery Residents' Committee (Client) for the subject property located at 233 Landing Road in Bronx, New York (Site). This report is subject to the Limitations presented in **Appendix A**.

## 1.10 SITE DESCRIPTION

The Site is a 0.85-acre, rectangular-shaped parcel identified as 233 Landing Road, or Block 3236, Lot 25, located in the Bronx, New York. The Site is bound to the south and east by Landing Road, to the north by Fordham Landing Playground, and to the west by the Major Deegan Expressway. The surrounding area consists of commercial storefronts with upper level apartments. A Site location plan is presented as **Figure 1.**

Formerly, the Site contained a building associated with a former manufactured gas plant (MGP) holder that was located just north of the Site. Currently, the Site is an asphalt-covered parking lot serving restaurants and shops in the surrounding area. The lot slopes steeply to the west. The Site Plan with GZA's boring locations is presented as **Figure 2**.

## 1.20 PROJECT OBJECTIVE

The objective of the SI was to assess subsurface conditions at the Site for the development of a multi-story residential building with a subsurface garage.

# 2.00 PROJECT BACKGROUND

GZA reviewed the following documents regarding earlier environmental investigations at the Site.

Site Characterization Report, Kingsbridge Station, dated October 1, 2004, prepared by GEI Consultants.

GEI Consultants performed due diligence for several connected properties collectively known as the Kingsbridge Holder Station, which were associated with Consolidated Edison of New York (Con Edison) or its predecessor companies, on behalf of Con Edison. According to this report, the Site formerly contained a building associated with a gas holder that was mostly located just north of the Site and whose southern edge was on the Site.

Two boreholes and one permanent groundwater monitoring well were installed on the Site as part of GEI's Site Characterization. Soil samples were collected from the three boreholes at 3' to 4' below grade (bg). A total of eight other soil samples were collected

at selected intervals in the three boreholes at depths ranging from 13' to 40' bg. The soil samples were analyzed for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). A soil sample collected at 3' to 4' bg and a soil sample collected at 21' to 23' bg in separate boreholes contained several SVOCs at concentrations above the New York State Department of Environmental Conservation (NYSDEC) standards in effect at that time. GZA notes that none of the soil samples were collected near the surface.

The monitoring well was installed in the southeast corner of the Site. The groundwater sample collected from the monitoring well was analyzed for VOCs, SVOCs, polychlorinated biphenyls (PCBs), and Target Analyte List (TAL) metals. The sample did not contain exceedances of any targeted compounds.

The report is provided in **Appendix B** of this report. Based on the results from this report, NYSDEC issued a No Further Action (NFA) letter with a Covenant Not To Sue to Con Edison for Kingsbridge Holder Station, which includes the Site. A copy of the NYSDEC letter is provided in **Appendix C** of this report.

## 3.00 PHYSICAL SETTING

According to the GEI report, groundwater was detected between 18' and 19' bg in the borehole that was converted into a water table monitoring well. Groundwater generally flows to the northwest on the Site. GZA's investigation encountered fill material below the asphalt surface to depths ranging from 5 to 10 feet bg. Sand and gravel were encountered below fill materials in all boreholes until bedrock refusal was encountered at 11 to 14 feet bg. GZA detected groundwater at 19.1' bg, consistent with GEI's findings.

## 4.00 TECHNICAL REVIEW

This section describes the field sampling methodologies implemented at the Site.

### 4.10 SOIL SAMPLING AND ANALYSIS

EG&R Environmental Services of Cranbury, New Jersey, a New York-licensed driller, provided drilling services at the Site. On April 24, 2014, EG&R advanced four borings on the Site using a Geoprobe® 7822DT, referred to as GZA-1, GZA-2, GZA-3, and GZA-4. The boreholes were located randomly across the Site to provide an unbiased characterization of the Site soils. Soil borings were advanced to 15 feet bg, or until refusal. Soil boring locations are depicted on **Figure 2** and soil boring logs are provided in **Appendix D**.

Soil cores were obtained from a standard two-inch diameter, 60-inch long macro core sampler fitted with a dedicated clear acetate liner driven by a hydraulic hammer. Upon recovering the cores, the soils were screened with a photoionization detector (PID)

equipped with a 10.6 eV lamp. Soil was inspected for visual evidence of contamination, and described and classified according to the Burmister Soil Classification System. After sampling was completed, each borehole was backfilled with soil cuttings. GZA did not observe any elevated PID readings nor was there any evidence of impacts (staining or odors).

Soil samples were collected from 0.5 to 1.5 feet bg at the four borehole locations and additionally from 10 to 11 feet bg at borehole locations GZA-1 and GZA-2. Samples were collected in clean, laboratory-supplied containers and placed in a cooler and kept on ice. The samples were then transported to Alpha Analytical, Inc. of Westborough, Massachusetts (Alpha), a New York State-certified laboratory, using chain-of-custody procedures. Alpha analyzed the soil samples for Target Compound List (TCL) SVOCs, PCBs, and TAL metals. The laboratory report is presented in **Appendix E**.

**Table 1** summarizes the soil analytical results and compares the results to the New York Restricted Residential Soil Cleanup Objectives (RRSCOs) and the New York Unrestricted Use Soil Cleanup Objectives (UUSCOs). The results are as follows:

- None of the six soil samples contained exceedances of PCBs.
- Soil sample GZA-1(10-11) contained several targeted SVOCs at concentrations above their RRSCOs, and several other targeted SVOCs at concentrations above their UUSCOs but below their RRSCOs. None of the other five soil samples contained exceedances of any targeted SVOC.
- Three of the soil samples contained lead at a concentration above its UUSCO but below its RRSCO.
- Soil sample GZA-2(10-11) contained copper and mercury, two targeted metals, at concentrations above their UUSCOs and RRSCOs. Five other targeted metals, including lead, were detected in this sample at concentrations above their UUSCOs but below their RRSCOs. Three of the soil samples did not contain any targeted metals at concentrations above their UUSCOs or RRSCOs.

## 4.20 GROUNDWATER SAMPLING AND ANALYSIS

EG&R installed the temporary groundwater well point TW-1 to a depth of 29 feet bg (TW-1). by placing a one-inch inner diameter slotted PVC screen between 19 to 29 feet bg. GZA collected grab groundwater samples via a peristaltic pump and measured the depth to groundwater. The temporary well point was not developed and no water quality parameters (pH, temperature, dissolved oxygen, etc.) were measured during sampling. Samples were placed in laboratory supplied glassware, kept on ice, and submitted to Alpha for analysis of Full Part 375 list of compounds. A trip blank will was analyzed for VOCs.

TW-1 was installed to 29 feet bg and a grab groundwater sample was collected for Part 375 list of compounds, i.e. VOCs, SVOCs, PCBs, pesticides, and TAL metals. Depth to water at TW-1 was 19.1 feet bg. **Table 2** summarizes the groundwater analytical results and compares them to the New York Ambient Water Quality Standards (AWQS).

No pesticides or PCBs were detected in the groundwater sample collected from TW-1. No targeted SVOCs or VOCs were detected in the groundwater sample at concentrations exceeding their respective AWQSs. Iron, lead, manganese, and sodium were detected in concentrations above their respective AWQSs. However, iron, manganese, and sodium are likely naturally occurring in soils at this location, and the presence of a lead exceedance may also be related to natural Site conditions.

4.30 SOIL GAS SAMPLING AND ANALYSIS

On April 24, 2014, EG&R installed soil vapor sampling point SG-1 at the location of GZA-1. After collecting soil samples from GZA-1, EG&R backfilled the borehole to five feet bg so that a soil gas sample could be collected. After allowing two hours to pass so that subsurface conditions could stabilize, EG&R inserted polyethylene tubing into the borehole and created an air-tight seal at the surface using hydrated bentonite to prevent short-circuiting and sample dilution. GZA tested the adequacy of the seal with a helium tracer test. The seal was verified by direct helium readings of less than 10% in the sample space. GZA then connected the polyethylene tubing to a laboratory-supplied, batch certified, clean six-liter Summa canister equipped with a two-hour flow regulator. A soil vapor field log is provided in **Appendix F**.

Post-soil vapor sample collection, EG&R backfilled the soil vapor point with the drill cuttings to near grade surface.

Soil vapor sample SG-1 was analyzed for VOCs using USEPA Method TO-15. **Table 3** summarizes the soil vapor analytical results and compares them to New York State Department of Health (NYSDOH) Soil Vapor Intrusion Guidance Criteria. The following 11 VOCs were detected above one or more of the NYSDOH criteria: 1,3-butadiene, 4-methyl-2-pentanone, benzene, carbon sulfide, chloromethane, n-hexane, xylene, tetrachloroethene, trichloroethene, and vinyl chloride. The laboratory report is provided in **Appendix G.**

## 5.00 CONCLUSIONS AND RECOMMENDATIONS

GZA's limited Phase II Site Investigation detected historic urban fill typical of soil with a long industrial history. Several SVOCs were detected in concentrations exceeding all regulatory criteria in deeper soils. Copper and mercury were also detected in concentration levels exceeding regulatory criteria in deeper soil samples. No exceedances of any targeted compounds were detected in groundwater, except for certain metals whose presence may be indicative of background conditions. Several VOCs were present in a soil gas sample at concentrations above State guidelines.

GZA recommends the following regarding soils and soil gas at the Site:

- Soils that will be excavated during the construction of the proposed building may be contaminated. Excavated soils should be properly characterized to determine whether they are contaminated. Contaminated soils, if sent off-site must be sent to a disposal facility licensed to accept contaminated soils.

- Exposure to contaminated soils remaining on Site should be eliminated by the installation of engineering controls (e.g., asphalt or concrete cover), or by the emplacement of at least two feet of clean fill on top of the contaminated soils.

- The exceedances in the soil gas sample do not appear to be related to on-site conditions. Nevertheless, they represent a potential vapor intrusion hazard to the proposed building. The building should be equipped with a vapor barrier to prevent intrusion of vapor from the subsurface into the interior breathing air of the building.

# FIGURES

NEW YORK

QUADRANGLE LOCATION

SOURCE:
USGS TOPOGRAPHIC MAPS: CENTRAL PARK, NY-NJ (2011) & YONKERS, NY-NJ (2013). CONTOUR INTERVAL 10 FT., NAVD-1988, ORIGINAL SCALE 1:24,000 (1"=2,000 FT.).

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233 LANDING ROAD
BRONX, NEW YORK

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
BOWERY RESIDENTS' COMMITTEE

**SITE LOCATION MAP**

| | | | |
|---|---|---|---|
| PROJ MGR: BA | REVIEWED BY: MM | CHECKED BY: MM | FIGURE 1 |
| DESIGNED BY: MM | DRAWN BY: EM | SCALE: 1"=2000' | |
| DATE: MAY 2014 | PROJECT NO. 12-0076232.00 | REVISION NO. | SHEET NO. |

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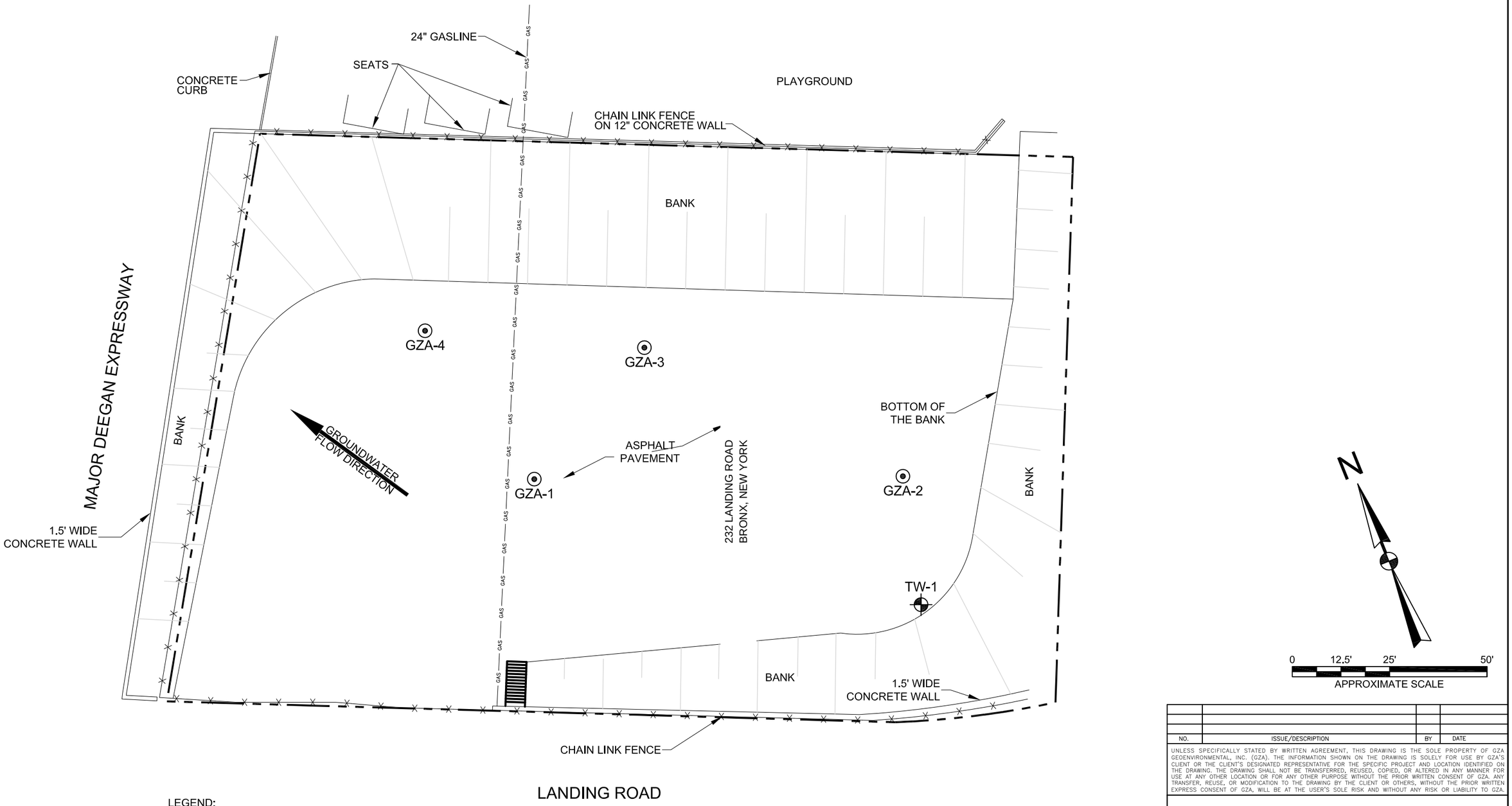


LEGEND:

- BORING LOCATION (COMPLETED 4/24/14)
- TEMPORARY WELL LOCATION (COMPLETED 4/24/14)
- APPROXIMATE SITE BOUNDARY
- CHAIN LINK FENCE
- 24" GAS LINE

NOTES:

1) BASE MAP DEVELOPED FROM PLAN PROVIDED BY PRECISION SURVEYS, ENTITLED "SURVEY OF 233 LANDING ROAD," DATED MARCH 27, 2003, ORIGINAL SCALE 1"=30'.

2) THE LOCATION OF THE EXPLORATIONS WERE APPROXIMATELY DETERMINED BY LINE OF SIGHT FROM EXISTING TOPOGRAPHIC FEATURES. THESE DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

| NO. | ISSUE/DESCRIPTION | BY | DATE |
|---|---|---|---|
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233 LANDING ROAD
BRONX, NEW YORK

**SITE PLAN**

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
BOWERY RESIDENTS' COMMITTEE

| | | | |
|---|---|---|---|
| PROJ MGR: BA | REVIEWED BY: MM | CHECKED BY: MM | FIGURE |
| DESIGNED BY: MM | DRAWN BY: EM | SCALE: 1" = 25' | 2 |
| DATE: MAY 2014 | PROJECT NO. 12.0076232.00 | REVISION NO. | SHEET NO. |

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**TABLE**

# Table 1 - Soil Analytical Results

233 Landing Road

Bronx, New York

| LAB SAMPLE ID<br>LOCATION<br>SAMPLE DEPTH (ft.)<br>SAMPLING DATE<br>UNITS | NY RRSCO<br>mg/kg | NY UUSCO<br>mg/kg | L1408689-01<br>GZA-1<br>0.5-1.5<br>4/24/2014<br>mg/kg | | L1408689-02<br>GZA-1<br>10-11<br>4/24/2014<br>mg/kg | | L1408689-03<br>GZA-2<br>0.5-1.5<br>4/24/2014<br>mg/kg | | L1408689-04<br>GZA-2<br>10-11<br>4/24/2014<br>mg/kg | | L1408689-05<br>GZA-3<br>0.5-1.5<br>4/24/2014<br>mg/kg | | L1408689-06<br>GZA-4<br>0.5-1.5<br>4/24/2014<br>mg/kg | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Results | Qual | Results | Qual | Results | Qual | Results | Qual | Results | Qual | Results | Qual |
| **SVOCs** | | | | | | | | | | | | | | |
| 2-Methylnaphthalene | NA | NA | 0.22 | U | 0.44 | | 0.22 | U | 0.28 | U | 0.22 | U | 0.3 | J |
| Acenaphthene | 100 | 20 | 0.15 | U | 1.4 | | 0.14 | U | 0.19 | U | 0.15 | U | 0.25 | J |
| Acenaphthylene | 100 | 100 | 0.15 | U | 0.27 | U | 0.12 | J | 0.19 | U | 0.15 | U | 0.29 | U |
| Anthracene | 100 | 100 | 0.045 | J | 2.1 | | 0.051 | J | 0.14 | U | 0.11 | U | 0.26 | |
| Benzo(a)anthracene | 1 | 1 | 0.17 | | **3.5** | | 0.18 | | 0.14 | U | 0.062 | J | 0.33 | |
| Benzo(a)pyrene | 1 | 1 | 0.19 | | **2.7** | | 0.28 | | 0.19 | U | 0.062 | J | 0.24 | J |
| Benzo(b)fluoranthene | 1 | 1 | 0.22 | | **3.8** | | 0.25 | | 0.14 | U | 0.066 | J | 0.27 | |
| Benzo(ghi)perylene | 100 | 100 | 0.16 | | 1.6 | | 0.38 | | 0.19 | U | 0.06 | J | 0.14 | J |
| Benzo(k)fluoranthene | 3.9 | 0.8 | 0.084 | J | **1.4** | | 0.097 | J | 0.14 | U | 0.11 | U | 0.15 | J |
| Biphenyl | NA | NA | 0.43 | U | 0.12 | J | 0.41 | U | 0.54 | U | 0.42 | U | 0.83 | U |
| Carbazole | NA | NA | 0.19 | U | 1.3 | | 0.18 | U | 0.24 | U | 0.18 | U | 0.36 | U |
| Chrysene | 3.9 | 1 | 0.18 | | **3.2** | | 0.23 | | 0.14 | U | 0.07 | J | 0.42 | |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.038 | J | **0.41** | | 0.096 | J | 0.14 | U | 0.11 | U | 0.22 | U |
| Fluoranthene | 100 | 100 | 0.31 | | 8.8 | | 0.21 | | 0.059 | J | 0.1 | J | 0.65 | |
| Fluorene | 100 | 30 | 0.19 | U | 1.1 | | 0.18 | U | 0.24 | U | 0.18 | U | 0.14 | J |
| Indeno(1,2,3-cd)Pyrene | 0.5 | 0.5 | 0.14 | J | **1.7** | | 0.26 | | 0.19 | U | 0.048 | J | 0.14 | J |
| Naphthalene | 100 | 12 | 0.19 | U | 1 | | 0.18 | U | 0.24 | U | 0.18 | U | 0.17 | J |
| Phenanthrene | 100 | 100 | 0.17 | | 8.9 | | 0.13 | | 0.048 | J | 0.04 | J | 1.3 | |
| Pyrene | 100 | 100 | 0.29 | | 6.8 | | 0.28 | | 0.14 | U | 0.097 | J | 0.68 | |
| **PCBs** | | | | | | | | | | | | | | |
| PCBs, Total | 1 | 0.1 | 0.0373 | U | 0.0332 | U | 0.0366 | U | 0.0611 | | 0.0173 | J | 0.0371 | U |
| **Total Metals** | | | | | | | | | | | | | | |
| Aluminum, Total | NA | NA | 10000 | | 12000 | | 9400 | | 14000 | | 12000 | | 5000 | |
| Antimony, Total | NA | NA | 4.3 | | 4 | U | 4.2 | U | 21 | | 4.3 | U | 4.3 | U |
| Arsenic, Total | 16 | 13 | 7.7 | | 7.5 | | 8.8 | | **22** | | 8.9 | | 9.2 | |
| Barium, Total | 400 | 350 | 140 | | 240 | | 120 | | 140 | | 170 | | 45 | |
| Beryllium, Total | 72 | 7.2 | 0.16 | J | 0.13 | J | 0.17 | J | 0.55 | U | 0.09 | J | 0.18 | J |
| Cadmium, Total | 4.3 | 2.5 | 0.11 | J | 0.79 | U | 0.84 | U | 1.1 | U | 0.86 | U | 0.86 | U |
| Calcium, Total | NA | NA | 9900 | | 13000 | | 10000 | | 26000 | | 32000 | | 43000 | |
| Chromium, Total | NA | NA | 32 | | 37 | | 23 | | 630 | | 45 | | 8.5 | |
| Cobalt, Total | NA | NA | 6.6 | | 9 | | 6.3 | | 3.7 | | 7.8 | | 3.1 | |
| Copper, Total | 270 | 50 | 19 | | 27 | | 20 | | **4600** | | 17 | | 37 | |
| Iron, Total | NA | NA | 18000 | | 19000 | | 16000 | | 39000 | | 19000 | | 9900 | |
| Lead, Total | 400 | 63 | **84** | | 13 | | 40 | | **150** | | 21 | | **140** | |
| Magnesium, Total | NA | NA | 6400 | | 8500 | | 5700 | | 900 | | 19000 | | 11000 | |
| Manganese, Total | 2000 | 1600 | 260 | | 260 | | 210 | | 120 | | 290 | | 110 | |
| Mercury, Total | 0.81 | 0.18 | 0.07 | U | 0.07 | U | 0.09 | | **1.7** | | 0.04 | J | 0.08 | U |
| Nickel, Total | 310 | 30 | 18 | | 22 | | 14 | | **220** | | 21 | | 6.9 | |
| Potassium, Total | NA | NA | 5900 | | 7800 | | 4000 | | 4300 | | 7600 | | 770 | |
| Selenium, Total | 180 | 3.9 | 1.7 | U | 1.6 | U | 1.7 | U | **10** | | 1.7 | U | 0.3 | J |
| Silver, Total | 180 | 2 | 0.87 | U | 0.79 | U | 0.84 | U | 0.69 | J | 0.86 | U | 0.86 | U |
| Sodium, Total | NA | NA | 280 | | 230 | | 520 | | 2400 | | 260 | | 230 | |
| Vanadium, Total | NA | NA | 34 | | 37 | | 28 | | 2400 | | 43 | | 18 | |
| Zinc, Total | 10000 | 109 | 68 | | 51 | | 74 | | **760** | | 65 | | 30 | |

Notes:

Qual - Qualifier
J - The concentration given is an approximate value.
U - The compound was not detected at the indicated concentration.
NA - Standard not available
RRSCO - Resistricted Residential Soil Cleanup Objectives
URSCO - Unrestricted Use Soil Cleanup Objectives
**760** Indicates the sample results are above the Unrestricted Use Criteria
**1.7** Indicates the sample results are above the Restricted Residential Criteria
mg/kg - milligrams per kilogram

# Table 2 - Groundwater Analytical Results

233 Landing Road
Bronx, New York

| LOCATION<br>SAMPLING DATE<br>LAB SAMPLE ID<br>UNITS | NY-AWQS<br>ug/l | TW-1<br>4/24/2014<br>L1408689-07<br>ug/l | | FIELD BLANK<br>4/24/2014<br>L1408689-08<br>ug/l | | TRIP BLANK<br>4/24/2014<br>L1408689-09<br>ug/l | |
|---|---|---|---|---|---|---|---|
| | | Results | Qual | Results | Qual | Results | Qual |
| **VOCs** | | | | | | | |
| Acetone | 50 | 6 | | - | | 5 | U |
| Chloroform | 7 | 4.5 | | - | | 2.5 | U |
| **SVOCs** | | | | | | | |
| 2-Methylnaphthalene | | 0.11 | J | 0.2 | U | - | |
| Acetophenone | | 2.6 | J | 5 | U | - | |
| Naphthalene | 10 | 0.07 | J | 0.2 | U | - | |
| **Pesticides** | | ***No Pesticides Detected*** | | | | | |
| **PCBs** | | ***No PCBs Detected*** | | | | | |
| **Total Metals** | | | | | | | |
| Aluminum, Total | | 7530 | | 2.6 | J | - | |
| Antimony, Total | 3 | 0.84 | J | 1.42 | J | - | |
| Arsenic, Total | 25 | 5.88 | | 0.14 | J | - | |
| Barium, Total | 1000 | 535.8 | | 0.5 | U | - | |
| Beryllium, Total | 3 | 1.67 | | 0.5 | U | - | |
| Cadmium, Total | 5 | 0.63 | | 0.2 | U | - | |
| Calcium, Total | | 40000 | | 100 | U | - | |
| Chromium, Total | 50 | 33.84 | | 1 | U | - | |
| Cobalt, Total | | 25.07 | | 0.2 | U | - | |
| Copper, Total | 200 | 73.83 | | 0.51 | J | - | |
| Iron, Total | 300 | **22500** | | 50 | U | - | |
| Lead, Total | 25 | **27.6** | | 1 | U | - | |
| Magnesium, Total | 35000 | 12600 | | 70 | U | - | |
| Manganese, Total | 300 | **603.4** | | 0.5 | U | - | |
| Mercury, Total | 0.7 | 0.08 | J | 0.2 | U | - | |
| Nickel, Total | 100 | 42.37 | | 0.5 | U | - | |
| Potassium, Total | | 5470 | | 100 | U | - | |
| Selenium, Total | 10 | 8.22 | | 5 | U | - | |
| Silver, Total | 50 | 0.4 | U | 0.4 | U | - | |
| Sodium, Total | 20000 | **21800** | | 45 | J | - | |
| Thallium, Total | 0.5 | 0.17 | J | 0.5 | U | - | |
| Vanadium, Total | | 36.75 | | 5 | U | - | |
| Zinc, Total | 2000 | 176.9 | | 11.69 | | - | |

Notes:
Qual - Qualifier
U - The compound was not detected at the indicated concentration.
J - The concentration given is an approximate value.
**27.6** This value exceeds NYDEC Ambient Ground Water Standards.
AWQS Ambient Water Quality Standards
ug/l - migcrgrams per liter

# Table 3 - Soil Gas Analytical Results

233 Landing Road

Bronx, New York

| LAB SAMPLE ID<br>LOCATION<br>SAMPLING DATE | NYSDOH Soil Vapor Intrusion Guidance Criteria | | | | L1408726-01<br>SG-1<br>4/24/2014 | |
|---|---|---|---|---|---|---|
| **UNITS** | **ug/m$^3$** | **ug/m$^3$** | **ug/m$^3$** | **ug/m$^3$** | **ug/m$^3$** | |
| | **1** | **2** | **3** | **4** | **Results** | **Qual** |
| **VOCs** | | | | | | |
| 1,2,4-Trimethylbenzene | 9.8 | 9.5 | - | - | 6.1 | |
| 1,3,5-Trimethylbenzene | 3.9 | 3.7 | - | - | 1.75 | |
| 1,3-Butadiene | - | <3.0 | - | - | **10.7** | |
| 2-Butanone | 16 | 12 | - | - | 11.6 | |
| 2-Hexanone | - | - | - | - | 1.73 | |
| 4-Ethyltoluene | - | 3.6 | - | - | 1.67 | |
| 4-Methyl-2-pentanone | 1.9 | 6 | - | - | **3.15** | |
| Acetone | 115 | 98.9 | 45.8 | - | **382** | |
| Benzene | 13 | 9.4 | 10 | - | **29.8** | |
| Bromodichloromethane | - | - | - | - | 1.75 | |
| Carbon disulfide | - | 4.2 | - | - | **112** | |
| Chloroethane | 0.4 | <1.1 | - | - | 1.32 | |
| Chloroform | 1.2 | 1.1 | 6.34 | - | 1.71 | |
| Chloromethane | 4.2 | 3.7 | - | - | **6.67** | |
| Cyclohexane | 6.3 | - | - | - | 12.5 | |
| Dichlorodifluoromethane | 10 | 16.5 | - | - | 1.81 | |
| Ethanol | 1300 | 210 | - | - | 46.5 | |
| Ethylbenzene | 6.4 | 5.7 | 7.62 | - | 5.13 | |
| Heptane | 18 | - | - | - | 15 | |
| Methyl tert butyl ether | 14 | 11.5 | 36 | - | 2.96 | |
| n-Hexane | 14 | 10.2 | - | - | **32** | |
| o-Xylene | 7.1 | 7.9 | 7.24 | - | 5.65 | |
| p/m-Xylene | 11 | 22.2 | 22.2 | - | **12.2** | |
| Styrene | 1.4 | 1.9 | 5.13 | - | 0.877 | |
| Tetrachloroethene | 2.5 | 15.9 | 6.01 | 30 | **5.55** | |
| Toluene | 57 | 43 | - | - | 15.7 | |
| Trichloroethene | 0.5 | 4.2 | 1.36 | 5 | **8.06** | |
| Trichlorofluoromethane | 12 | 18.1 | - | - | 2.73 | |
| Vinyl chloride | 0.4 | <1.9 | - | - | **1.11** | |

Notes:

Qual - Qualifiers

J - Indicates estimated value for TICs and all results when detected below the RL.

U - Indicates compound analyzed for but not detected.

**1.11** Indicates the sample results are above one or more NYSDOH Soil Vapor Intrusion Guidance Criteria

ug/m$^3$ - microgram per cubic meter

NYSDOH Soil Vapor Intrusion Guidance Criteria

1 - Table C-1 2003 Upper Fence Study of Volatile Organic Chemicals in air of Fuel Oil Heated Homes for Indoor Air

2 - Table C-2 2001 USEPA BASE 90th Percentile for Indoor Air

3 - Table C-5 2005 Health Effects Institute 95th Percentile for Indoor Air

4 - NYSDOH Air Guidance Value

**Table 3 - Soil Gas Analytical Results**
233 Landing Road
Bronx, New York

# APPENDIX A

# LIMITATIONS

## SITE ASSESSMENT LIMITATIONS

1. The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by Client.

2. In preparing this report, GZA has relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to GZA at the time of the site assessment. Although there may have been some degree of overlap in the information provided by these various sources, GZA did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.

3. In the event that bank counsel or title examiner for Client obtains information on environmental or hazardous waste issues at the site not contained in this report, such information shall be brought to GZA's attention forthwith. GZA will evaluate such information and, on the basis of this evaluation, may modify the conclusions stated in this report.

4. Observations were made of the site and of structures on the site as indicated within the report. Where access to portions of the site or to structures on the site was unavailable or limited, GZA renders no opinion as to the presence of hazardous materials, or to the presence of indirect evidence relating to hazardous materials, in that portion of the site or structure. In addition, GZA renders no opinion as to the presence of hazardous material, where direct observation of the interior walls, floor or ceiling of a structure on a site was obstructed by objects or coverings on or over these surfaces.

5. Unless otherwise specified in the report, GZA did not perform testing or analyses to determine the presence or concentrations of asbestos or polychlorinated biphenyls (PCBs) at the site or in the environment at the Site.

6. The purpose of this report was to assess the physical characteristics of the subject site with respect to the presence in the environment of petroleum products or hazardous materials. No specific attempt was made to check on the compliance of present or past owners or operators of the site with federal, state, or local laws and regulations, environmental or otherwise.

7. Except as noted within the text of this report, no quantitative laboratory test was performed as part of the site assessment. Where such analyses have been conducted by an outside laboratory. GZA has relied upon the data provided, and has not conducted an independent evaluation of the reliability of these data.

# APPENDIX B

**Site Characterization Report**

# Kingsbridge Station

Bronx, New York
Site ID: V00559-2

**Submitted to:**
Consolidated Edison Company of New York, Inc.
4 Irving Place
New York, New York 10003

**Submitted by:**
GEI Consultants, Inc.
PO Box 297, 188 Norwich Ave.
Colchester, CT 06415
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John K. Bogdanski
Project Manager

October 1, 2004
Project 031510-1004

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# 1. Introduction

This Site Characterization (SC) report was developed by GEI Consultants, Inc. (GEI) on behalf of Consolidated Edison (Con Edison) for submittal to the New York State Department of Environmental Conservation (NYSDEC). This SC report presents documentation and a description of the procedures and findings from SC field activities conducted at the Kingsbridge Station former manufactured gas plant (MGP) holder station located in the University Heights section of the Bronx, New York. The former MGP holder station was once owned and operated by one of Con Edison's predecessor companies, Consolidated Gas Company of New York. The portion of the site that was once occupied by the former gas holder operations is presently divided into two separate properties. The area of gas operations formerly occupied by the boiler house and engine room (Block 3236, Lot 25) is currently owned by American Self Storage. The area of gas operations formerly occupied by the gas holder (Block 3236, Lot 45) is currently owned by the City of New York.

The SC report has been developed in accordance with the Voluntary Cleanup Agreement (VCA), dated August 15, 2002, Index #02-0003-02-08, between Con Edison and the NYSDEC. The site characterization activities described in this report were conducted pursuant to the NYSDEC-approved work plan titled *Site Characterization Work Plan, Kingsbridge Station Former Manufactured Gas Plant Site* (GEI, December 2003). Site characterization field activities were conducted by Con Edison from January 8, 2004 through April 5, 2004.

## 1.1 Purpose of the Report

The primary objectives of the SC field activities were to:

- Locate the subsurface remnants of any MGP holder station structures or other structures that may exist on site and that might be associated with waste source areas or serve as preferential pathways for the migration of MGP holder station waste or other contamination
- Characterize potential MGP holder station or other waste impacts on site
- Determine the potential for off-site migration of contamination
- Characterize site-specific geology and hydrology

The goals of the SC were to collect site-specific information confirming the presence or absence of any former MGP holder station structures, hazardous waste, or contamination, and to

determine whether the site potentially poses a significant threat to public health and the environment as a result of the former MGP-related activities. These goals are consistent with those of the NYSDEC's comprehensive site characterization and remedial investigation process, as described in the NYSDEC *Draft DER-10 Technical Guidelines for Site Investigation and Remediation* (December 2002).

## 1.2 Report Organization

The procedures and findings of the SC activities presented in this SC report are organized into eight sections. Following this introduction, Section 2 presents the site background, including physical setting, site ownership, and operational history. The investigation methods used to collect, analyze, and present the site characterization data are discussed in Section 3. The geologic and hydrologic characterization of the site is discussed in Section 4. Section 5 presents the nature and extent of contaminants and Section 6 provides a discussion of contaminant fate and transport. Section 7 presents a Qualitative Human Health Exposure Assessment (QHHEA). Section 8 presents summary and conclusions. Soil boring logs and well purging records, community air sampling results summary, laboratory analytical results and data usability reports, and photographic documentation are included in Appendices A through D, respectively.

# 2. Site Background

The information presented in this section of the SC report is excerpted from the historical research report titled *"Manufactured Gas Plant History, Kingsbridge Station, Bronx, New York,"* dated October 8, 2002. This report has previously been provided to the NYSDEC.

## 2.1 Site Description

The Kingsbridge Station former holder site is located on the north side of Landing Road in the neighborhood of University Heights, Borough of the Bronx, New York. The location of the site is illustrated in Figure 1, taken from a portion of the United States Geological Survey (USGS) Topographic Map, Central Park, New York, New Jersey. The site is defined as all land occupied by former MGP holder station operations and formerly owned by Con Edison or a Con Edison predecessor company.

The boundary of the former Kingsbridge Station site was obtained from Bronx Assessor's Office records, a 1924 aerial photograph, and Sanborn Fire Insurance (Sanborn) maps. These records indicate that the site is on the north side of Landing Road (former Fordham Landing Road or West 184$^{th}$ Street), the east side of the former Harlem River Terrace, and the west side of Sedgwick Avenue. The site is comprised of six parcels of land and the Major Deegan Expressway, designated by the Bronx Assessor's Office as follows.

| Block and Lot | Street Address | Current Size (acres) |
|---|---|---|
| Block 3236 Lot 25 | 233 Landing Road | 0.8 |
| Block 3236 Lot 45 | Fordham Landing Playground | 4.4 |
| Block 3236 Lot 1 | 211 Landing Road | 2.7 |
| Block 3236 Lot 170 | 2425 Sedgwick Avenue | 0.8 |
| Block 3236 Lot 175 | 2455 Sedgwick Avenue | 0.4 |
| Block 3236 Lot 220 | 205 West Fordham Road | 0.3 |
| None | Portion of Major Deegan Expressway | 2.1 |

Title search information and Sanborn maps indicate that the site was originally one parcel of land (10.5 acres in size), which was subdivided and sold by Con Edison between 1944 and 1954. The site was further subdivided into the above-referenced six lots.

The former holder station occupied the southwestern corner of the site. The holder station was located on Lot 25, the southern portion of Lot 45 (Fordham Landing Playground), the southwestern portion of Lot 1, and below a portion of the current Major Deegan Expressway. The holder station occupied approximately 3.4 acres of the site. Figure 2 provides a current site layout map, and illustrates current site features and property boundaries. Figure 3 shows the

existing property boundaries, as well as the former site boundaries and the area of the former holder station. The site is located in the west-central section of the Bronx on the east side of the Harlem River and the Major Deegan Expressway, and north of the Cross Bronx Expressway. The site is located in a residential and commercial neighborhood.

### Southwestern Corner (Former Holder Station)

The southernmost portion of the site (Lot 25) is occupied by a paved parking lot. A grass baseball field within Fordham Landing Playground occupies most of the area where the footprint of the former gas holder was located (southern portion of Lot 45). The parking lot on Lot 25 is at a higher elevation than the adjoining baseball field, and it is underlain by a thick (approximately 30 foot) layer of fill. Records obtained from the New York Department of Housing and Building (DOHB) show that an addition was built onto the original engine room/boiler house in 1948. These records indicate that the land elevation for Lot 25 at that time was similar to the present day elevation of the baseball field. Vacant wooded land abuts the east side of the parking lot (Lot 25) and the baseball field (portion of Lot 1). The westernmost portion of the site, along the property boundary, is occupied by access and travel lanes of the Major Deegan Expressway. Currently this portion of the former holder station site is at a higher elevation than the adjoining playing field.

### Central, Northern, and Southeastern Portions of Site

Paved play courts (handball and basketball) within Fordham Landing Playground are on the west-central portion of the site. A used automobile sales business is located on the southeastern portion of the site (Lot 220). The eastern portion of the site (portion of Lot 1) is a vacant, steeply wooded hillside. The northeastern portion of the site (Lots 170 and 175) is occupied by a parking garage and office building. The northern portion of the site (part of Lot 45) is wooded. Sanborn maps and historical aerial photographs indicate that the former gas holder activities were limited to the portion of the site identified as Block 3236, Lot 25 and Lot 45. No MGP holder station activities occurred within the central, northern, and southeastern portions of the property.

## 2.2 Adjoining Property Description

Land surface topography of the Kingsbridge Station site is variable. The site slopes down from Sedgwick Avenue toward the playground to the west-southwest. The playground on the western portion of the site (Lot 45) is relatively level. The ground surface elevation varies from approximately 100 feet above mean sea level (MSL) on the eastern property boundary to approximately 20 feet above MSL at the western property boundary, in the area of the Major Deegan Expressway.

The borough of the Bronx covers an area of approximately 42 square miles, and has an estimated population of 1,332,650 (New York City [NYC] Department of City Planning, 2000 Census Summary). Lot 25 is zoned C8-3, a commercial district. Lot 45 is zoned R-6, a residential district. Lots 1, 170, 175, and 220 are zoned C2-4, a commercial district.

A railroad line is located west of the site, across the Major Deegan Expressway. Vacant land, utility bureau (railroad) property, and a lumber company are located further west of the site, between the railroad line and the Harlem River. Vacant wooded land (northern part of Lot 45) is located north of the site. A garage/gas station and apartments are located within one block north of the site. Residential and commercial properties and a hospital are located within one block northeast of the site. Residential properties and a park are located within one block east of the site. Stores and apartments are located within one block southeast of the site. A self-storage business and restaurant/nightclub are located within one block south of the site across Landing Road.

## 2.3 Site History

### *2.3.1 Site Ownership*

The ownership history of the site was compiled from chain-of-title searches. The chain-of-title search requests were submitted to Commonwealth Land Title Insurance Company of New York, New York, as recommended by Con Edison.

The title search indicates that the majority of the site was acquired by Consolidated Gas Company of New York (Consolidated Gas) in 1910. The site was originally one parcel of land, which was subdivided and sold by Con Edison between 1944 and 1954. The site was further subdivided into six lots and the Major Deegan Expressway. The southwestern corner of the site, occupied by the former holder station, was owned by Consolidated Gas/Con Edison until 1951. Con Edison sold the central and northern portions of the site (northern portions of Lot 45 and Lot 1, Lot 170, and Lot 175) in 1944, and the southeastern portion of the site (Lot 220) in 1951.

### *2.3.2 Past Site Operations*

The history of the site was compiled from available Sanborn maps, Bronx Building Department records, aerial photographs, and other historical records obtained during an Environmental Data Resources, Inc. (EDR) records search. The location of the former holder station on the site and the location of historical MGP holder station structures is illustrated on Figure 3.

#### Early History

The earliest map for the site area is an 1896 Sanborn map, and no structures are shown on the site. A 1900 Sanborn map also shows no structures on the site.

## Holder Station (Southwestern Corner)

The first indication that MGP holder station structures occupied the Kingsbridge Station site is from a 1914 Sanborn map. A ten million cubic foot (cu. ft.) above grade, steel gas holder is shown on the southern portion of the site, and labeled Consolidated Gas Company (Kingsbridge Station). Con Edison indicated that this holder was constructed in 1912. A building is located on the southern side of the holder, adjacent to West 184$^{th}$ Street (currently Landing Road), labeled Engine Room, constructed 1910. Harlem River Terrace is shown on the map abutting the western property boundary of the holder station.

The Kingsbridge Holder Station was designed to store purified gas prior to distribution to consumers. Gas was not manufactured at the site. MGP residues such as purifier material, tars and oil are typically associated with the production and purification of gas at the manufacturing facility and therefore MGP residue would have been removed from the gas prior to being piped to the Kingsbridge holder. It is believed that gas stored at the Kingsbridge Station was produced and purified at a former MGP located at 137$^{th}$ Street and/or a former MGP located at 175$^{th}$ Street in the Bronx.

Documents obtained from the Bronx Building Department indicate that the gas compressors for the engine room were powered by diesel engines and the facility received approval from the City for two 20,000-gallon diesel fuel tanks in 1947. No information was collected on where these tanks may have been located or whether they would have been aboveground or underground tanks. Due to the fact that the facility stopped distributing gas no later than 1953, it is not known if these tanks were ever installed and/or whether they were operational.

Site features shown on the 1945 and 1950 Sanborn maps are similar to those on the 1914 Sanborn map; however, the holder is labeled Consolidated Edison Company (Kingsbridge Station).

## Post-MGP Land Use (Southwestern Corner)

Title search information indicates that Con Edison sold the southern portion of the site in 1951. The southern portion of Lot 45 was sold to the City of New York, and the southern portion of Lot 1 was sold to The Equitable Life Assurance Society of the United States. Bronx Building Department records indicate that the Major Deegan Expressway and the Fordham Landing Playground were constructed on this portion of the site in the early 1950s. Con Edison indicated that the holder was removed in 1952; however, it is likely that it was removed in 1950, prior to the acquisition of the southwestern corner of the site by the City of New York. A 1954 aerial photograph confirms the holder had been removed.

Title search information indicates that Con Edison sold the southernmost portion of the site (Lot 25) in 1954 to New York University. The EDR City Directory abstract indicates that a New York University Engineering Research Building occupied 233 Landing Road (Lot 25), from about 1965 to 1976. A 1977 Sanborn map shows the Major William F. Deegan Expressway (Deegan Expressway) along the western property boundary over the former Harlem River Terrace, and covering approximately 30 to 50 feet of the site. The 1977 through 1984 Sanborn maps show the building on the southern portion of the site (Lot 25), labeled New York University Research Building No. 3 and Lab. This building is visible on a 1984 aerial photograph, but does not appear on the 1986 Sanborn map, and was apparently removed around 1986. It is unknown what Lot 25 was used for between 1985 and the present.

### Central, Northern, and Southeastern Portions of Site

The 1914 Sanborn map shows a small building labeled University Heights Tennis Club (Clubhouse) on the central portion of the site (central portion of Lot 45). The 1924 aerial photograph confirms the presence of the tennis club shown on the Sanborn map. Tennis courts are visible on the central portion of the site, and the Clubhouse building is visible adjacent to the courts. The eastern portion of the site (central and northern portions of Lot 1) is vacant and wooded on the 1924 photograph. The 1945 Sanborn map shows a small building labeled dwelling and kennels on the northeastern portion of the site (Lot 175). Site features shown on the 1950 Sanborn map are similar to those on the 1945 Sanborn map.

As mentioned above, the Deegan Expressway was constructed along the western property boundary in the early 1950s. The Fordham Landing Playground was constructed on the central and northern portions of Lot 45 in the early 1950s. Title search information indicates that Lot 220 on the southeastern portion of the site, adjacent to West Fordham Road, was subdivided out and sold in 1951. Sanborn maps indicate that a five-story parking garage with a filling station was constructed on the northern portion of the site (Lot 170) in 1952. Sanborn maps indicate that an office building was constructed on the northeasternmost portion of the site (Lot 175) in 1964. The filling station is no longer shown in the parking garage on the 1991 Sanborn map.

Texaco acquired Lot 220 on the southeastern portion of the site in 1972. Title search information and Sanborn maps indicate that a filling station was located on this lot from the 1970s to the early 1990s. Since the early 1990s, the lot has been occupied by an automobile sales and service business.

## 2.4 Environmental Records Search

Con Edison retained EDR to conduct an environmental records search for the site. EDR searched available environmental government database records and completed a report that meets the requirements of ASTM Standard Practice for Environmental Site Assessments,

E 1527-00. EDR reviewed standard federal and state environmental sources for the minimum search distances required by E 1527. The standard environmental records searched by EDR, and the minimum search distance for each record, are presented in the following table.

| Environmental Record | Minimum Search Distance |
|---|---|
| Federal National Priority List (NPL) | 1.0 mile |
| Federal Proposed NPL Sites | 1.0 mile |
| Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) | 0.5 mile |
| Federal CERCLIS No Further Remedial Action Planned (NFRAP) | 0.25 mile |
| Federal Corrective Action Report (CORRACTS) | 1.0 mile |
| Federal RCRIS Transport, Storage and/or Disposal Facilities (TSD) | 0.5 mile |
| Federal Resource Conservation and Recovery Information System (RCRIS) Generators | 0.25 mile |
| Federal Emergency Response Notification System (ERNS) | Target property |
| NYSDEC Inactive Hazardous Waste Disposal Sites (SHWS) | 1.0 mile |
| NYSDEC Solid Waste Facilities/Landfill Sites (SWF/LF) | 0.5 mile |
| NYSDEC Leaking Storage Tank Incident Reports (LTANKS) | 0.5 mile |
| NYSDEC Underground Storage Tank (UST) Petroleum Bulk Storage (PBS) Database | 0.25 mile |
| NYSDEC Chemical Bulk Storage (CBS) UST Database | 0.25 mile |
| NYSDEC Major Oil Storage Facilities (MOSF) Database | 0.5 mile |
| NYSDEC Voluntary Cleanup Agreements (VCA) | 0.5 mile |
| NYSDEC Registered Waste Tire Storage & Facility List (SWTIRE) | 0.5 mile |
| NYSDEC Registered Recycling Facility List (SWRCY) | 0.5 mile |

In addition to the standard records, EDR searched supplemental federal and state databases.

GEI submitted a Freedom of Information Law request (FOIL) to the NYSDEC to review environmental records for the site. GEI requested that NYSDEC search all environmental records that were available, including waste, water, and air for site-specific information such as inspections, environmental reports, site analytical data, orders, registrations, or permits. GEI also requested any information pertaining to waste generation, storage, or disposal activities, wastewater discharge activities, cleanup activities, oil or chemical spill incidents, underground storage tanks (USTs), aboveground storage tanks (ASTs), or other environmental issues at the site and adjoining properties.

### *2.4.1 Results of Site Environmental Record Review*

No current or former occupants of the Kingsbridge Station site were listed in any of the databases (standard and supplemental) searched by EDR. NYSDEC indicated that they had one petroleum bulk storage (PBS) report for the site. The PBS report indicated that the property at 2425 Sedgwick Avenue (Lot 170) has a 3,000-gallon capacity UST. No other information was available for this site.

### *2.4.2 Results of Adjoining Properties Environmental Record Review*

EDR identified multiple properties within the minimum search distance for the Federal Resource Conservation and Recovery Information System (RCRIS), NYSDEC Leaking Storage Tank Incident Reports (LTANKS), UST, NYSDEC Chemical Bulk Storage (CBS) UST Database, and Former Manufactured Gas Sites databases. A review of the EDR report indicates that no adjoining sites are included on these databases.

## 2.5 Previous Investigations

The New York State Department of Transportation (NYSDOT) is currently planning a construction project to improve the northbound Deegan Expressway entrance ramp at West Fordham Road (located along the western portion of the site). The ramp improvements, tentatively scheduled for 2004, entail the installation of a new retaining wall between the expressway and the playground, installation of a new drainage catch basin in the paved parking area located west of the asphalt playground, paving a new roadway to the expressway and into the playground, and construction of new sidewalks and a baseball field. The NYSDOT contractor responsible for development of the plans and specifications is Ysrael A. Seinuk, P.C. (YAS) of New York, New York. Environmental Planning and Management, Inc. (EPM), as a subconsultant to YAS, performed a hazardous waste assessment of the area to be included in the proposed improvements of the entrance ramp. A subsurface-soil investigation was conducted in October 1998 in conjunction with the geotechnical investigation for the project. Four soil borings were drilled at the locations illustrated on Figure 4 of the Kingsbridge Site Characterization Work Plan (SCWP), referred to in Section 1 of this report. Continuous soil samples were collected from the ground surface to a depth of 21 feet below ground surface (bgs). A composite sample from each boring (1 to 13 feet bgs) was analyzed for RCRA metals by Toxicity Characterization Leaching Procedures (TCLP) for waste characterization. Metals were not detected above hazardous waste regulatory levels. Visual and olfactory evidence of contamination was observed in one sample interval collected from boring location DH-1 at a depth of 15 to 19 feet bgs. This sample was analyzed for TCLP metals, Target Compound List (TCL) volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs). Chrysene was the only organic compound detected at a concentration (0.510 parts per million [ppm]) above the NYSDEC Recommended Soil Cleanup Objective (RSCO) of 0.4 ppm.

In addition to the subsurface-soil investigation, EPM conducted a modified ASTM Phase I Environmental Site Assessment (ESA). A survey of adjacent and nearby properties identified sites that may be of potential environmental concern to the ramp improvement project (e.g., leaking petroleum product, petroleum storage tanks). The Hazardous Waste Assessment Report was included in the SCWP as Appendix A.

# 3. Methods of Site Characterization

The SC field work was conducted in January and February of 2004. Table 1 presents the dates that each phase of the SC was conducted, the primary objectives of each phase, and a summary of the field activities that occurred during each phase. The site field activities were completed in accordance with the *Site Characterization Work Plan* (SCWP), *Kingsbridge Station Former Manufactured Gas Plant Site*, prepared by GEI, dated December 3, 2003.

An integrated investigation of the site geology and hydrology, soil, and groundwater chemistry allowed identification of potential contaminant source areas, and the nature and extent of contaminants released to the environment as a result of former gas holder operations. A variety of investigatory methods were utilized to collect the data. The sample types collected during the SC activities are presented in Table 2. The methods used to conduct the SC field activities are summarized in the following section.

## 3.1 Geologic Data

Geologic investigatory methods included surface-soil sampling and subsurface-soil borings. A rationale is provided in Table 3 for each sample location. Borehole drilling was used to collect samples in unconsolidated materials for visual characterization of the lithology, to determine the distribution of geologic material, and to confirm the top of bedrock across the site. Each boring and sample completed during the SC activities was logged. Site-specific geologic characterization data were interpreted for the following:

- Identification of former MGP holder station structures (potential source areas)
- Correlation of stratigraphic units between borings
- Identification of zones of potentially high and/or low hydraulic conductivity
- Identification and characterization of bedrock (e.g., top of bedrock surface)

### *3.1.1 Surface-Soil Sampling*

Surface-soil samples were collected from within the southern portion of the site in the area of the former holder and the current baseball field. Nine surface-soil samples were collected in total. The locations, illustrated in Figure 4, were based on a systematic grid and collected using a stainless-steel trowel from the uppermost portion containing mineral soil below any sod or turf material (i.e., 0 to 2-inch interval). The sod/turf above the interval was cut and removed so that it could be replaced after sampling. Soil removed for sampling was replaced with commercially available topsoil.

### *3.1.2 Borehole Drilling*

Sixteen subsurface borings were drilled at the site. Seven of the 16 borings were finished as groundwater monitoring wells (identified by "MW" in Figure 4). The remaining nine borings were identified by "B." Of the monitoring wells, two sets of nested pairs were installed where the water column exceeded 20 feet in depth in order to characterize both shallow and deep groundwater at these locations. The shallow monitoring wells were identified with the suffix "S"; the deep wells with "D" in Figure 4.

Borings B-2, B-4, B-6, B-7, and B-8 and monitoring wells MW-1, MW-2, MW-3, MW-4D, and MW-5D were advanced through overburden soils to the competent bedrock surface. Borings B-2 and B-4 penetrated what appeared to be the concrete foundation of the former holder.

The shallow monitoring wells (MW-4S and MW-5S) were advanced to a depth of 17 and 23 feet bgs, respectively. Borings B-1, B-5, and B-9 were advanced through overburden soils until refusal on very dense concrete was encountered. Boring B-3 encountered refusal due to material inside the footprint of the former gas holder. Soil borings and monitoring wells were drilled using continuous-flight, hollow stem augers. Continuous soil samples were collected from each boring during drilling using a 2-inch split-spoon sampler.

The competent bedrock surface was identified by auger and split-spoon refusal.

The borings not completed as monitoring wells were backfilled with cement-bentonite grout using a tremie pipe to the ground surface. Some were finished with leveled concrete pads and others were finished with commercially available topsoil if the boring was located within the baseball field. Soil boring and monitoring well logs are provided as Appendix A.

## 3.2 Hydrologic Data

Hydrologic data were collected from the monitoring wells installed on site. Hydrologic characterization data were interpreted for the following:

- Identification of the overburden aquifers
- Determination of horizontal and vertical groundwater flow directions on site

### *3.2.1 Groundwater Monitoring Well Installation*

Seven groundwater monitoring wells were installed during SC activities. The well locations are illustrated in Figure 4. Table 4 presents a summary of the monitoring well construction details. The monitoring wells were placed at locations and depths to characterize site hydrology and to determine impacts to overburden groundwater. The well location rationale is summarized in Table 3. Subsequent to monitoring well sampling, all wells were developed to restore the natural

permeability of the formation in the vicinity of the well and to remove silt and clay from the screened interval to provide turbidity-free groundwater samples. Well development records are provided in Appendix A.

### *3.2.2 Identification of the Groundwater Aquifer*

Identification of the aquifer in overburden deposits was essential to the design of the groundwater monitoring network and the development of the conceptual site model. The presence of an overburden aquifer was established during drilling and hydrogeologic characterization activities.

### *3.2.3 Establishing Groundwater Flow Directions*

Static water table elevations in monitoring wells were measured twice during SC activities. These measurements were used to determine horizontal and vertical groundwater flow gradients at the site.

The procedures for water-level measurement collection were provided in Appendix B of the SCWP. Water level measurements collected from wells screened in similar stratigraphic horizons (shallow) were used to construct water table surface contour maps.

## 3.3 Chemical Data

Chemical data were collected to identify specific contaminant concentrations throughout those media potentially impacted by MGP holder station operations. Chemical data were generated from samples collected from surface soils, subsurface soils, and groundwater.

The number of samples collected, the analyses conducted, and the field quality assurance/quality control (QA/QC) samples are summarized in Table 5. All samples were analyzed by Severn Trent Laboratories (STL) of Shelton, Connecticut.

### *3.3.1 Air Monitoring*

In accordance with NYSDEC and New York State Department of Health (NYSDOH) requirements, a Community Air Monitoring Plan (CAMP) was implemented at the site during utility clearance and borehole drilling. The objective of the CAMP was to provide a measure of protection for the downwind community (i.e., off-site receptors, including residences and businesses and on-site workers not involved with the site activities) from potential airborne contaminant releases as a direct result of site activities.

Real-time air monitoring stations were set up downwind and upwind of the work area. The downwind station was used to measure potential airborne contaminants leaving the site during

the SC activities. The upwind station measured background air quality data in the vicinity of the site. Wind direction was determined using the flag flying over the playground.

VOCs in air were measured using a photoionization detector (PID) and particulate dust was measured using a MiniRAM™ PM-10 particulate meter. Response levels were programmed in the meters, which were connected to a yellow strobe light to alert site workers that targeted compounds in the ambient air had exceeded response levels. The VOC and Particulate Monitoring, Response Levels, and Actions are presented as follows.

**Air Monitoring Response Levels and Actions**

| Response Level | Actions |
|---|---|
| | ***VOCs*** |
| >5 ppm above background for 15-minute average | ▪ Temporarily halt work activities<br>▪ Continue monitoring<br>▪ If VOC levels decrease (per instantaneous readings) below 5 ppm over background, work activities can resume |
| Persistent levels >5 ppm over background <25 ppm | ▪ Halt work activities<br>▪ Identify source of vapors<br>▪ Corrective action to abate emissions<br>▪ Continue monitoring<br>▪ Resume work activities if VOC levels 200 feet downwind of the property boundary or half the distance to the nearest potential receptor are <5 ppm for a 15-minute average<br>▪ If VOC levels are >25 ppm at the perimeter of the work area, activities must be shut down |
| | ***Particulate*** |
| >100 mcg/m3 above background for 15-minute average or visual dust observed leaving the site | ▪ Apply dust suppression<br>▪ Continue monitoring<br>▪ Continue work if downwind PM-10 particulate levels are <150 mcg/m3 above upwind levels and no visual dust leaving site |
| >150 mcg/m3 above background for 15-minute average | ▪ Stop work<br>▪ Re-evaluate activities<br>▪ Continue monitoring<br>▪ Continue work if downwind PM-10 particulate levels are <150 mcg/m3 above upwind levels and no visual dust leaving site |

**Sources:**
New York State Department of Health Community Air Monitoring Plan, June 20, 2000.
New York State Department of Environmental Conservation Division Technical and Administrative Guidance Memorandum - Fugitive Dust Suppression and Particulate Monitoring Program at Inactive Hazardous Waste Sites, October 27, 1989.

All VOC and particulate data were recorded continuously during site activities and downloaded to the project computer at the end of the day. All monitoring data are stored electronically in spreadsheets and databases. Air monitoring results are summarized graphically in Appendix B.

Records of equipment maintenance and calibration records were also maintained.

### 3.3.2 Surface-Soil Sampling and Analysis

Nine surface-soil samples were collected from the southern portion of the site in the area of the former holder and the current baseball field. These samples were analyzed for VOCs, SVOCs, Total Analyte List (TAL) metals, and polychlorinated biphenyls (PCBs). The results of the analysis of the surface soils are presented in Section 5 (Nature and Extent of Detected Compounds) of this report.

### 3.3.3 Subsurface-Soil Sampling and Analysis

One to three subsurface-soil samples were collected from each of the boring and monitoring well locations illustrated in Figure 4. Samples were collected for laboratory analysis from the uppermost portion of the site soils (i.e., between 2 and 5 feet bgs), the water table interface, the most heavily impacted soil interval (based on visual, olfactory, and PID observations), and from a non-impacted interval underlying the most impacted interval. If no impacted soils were detected in a boring, one sample was collected at the water table interface and one from or near the bedrock surface. Subsurface soils were analyzed for VOCs, SVOCs, TAL metals and total cyanide.

### 3.3.4 Groundwater Sampling and Analysis

Monitoring wells were sampled approximately two weeks after installation and development were completed. The sampling technique minimized stress to the aquifer using low flow pumping rates in order to provide representative water samples with minimal alterations to water chemistry. The analytical results were used to assess the effect of the former MGP holder station operations on groundwater quality. Groundwater samples were analyzed for VOCs, SVOCs, TAL metals, total cyanide, and PCBs. Groundwater chemical data are presented in Section 5 of this report.

### 3.3.5 Investigation-Derived Waste (IDW) Characterization and Disposal

IDW generated during the SC activities consisted of: (1) liquids generated by cleaning of drilling and sampling equipment and groundwater generated during developing and sampling of monitoring wells; and (2) soils generated during the installation of borings and monitoring wells. All IDW was stored in new USDOT-approved 55-gallon drums.

The liquid and soil wastes generated during the SC were characterized to ensure proper disposal of these materials. Prior to disposal, soil cuttings were analyzed for TCLP VOCs, SVOCs, inorganics and pesticides, and diesel range organics (DRO). Wastewater was analyzed for VOCs, SVOCs, TAL metals, pH and DRO. Soil cuttings were transported off site by Clean Harbors of Brooklyn, New York and treated at a thermal desorption facility. Wastewater was transported off site by Clean Harbors and disposed of at a wastewater treatment facility.

## 3.4 Survey

A site survey was performed after SC field activities by a GEI New York-licensed surveyor to obtain information necessary for production of a composite base map that accurately illustrates the locations and elevations of the borings, monitoring wells, and other pertinent features. Locations and elevations are referenced to known benchmark. Monitoring well elevations were determined with a vertical accuracy of 0.01 feet. The vertical datum used was North American Vertical Datum (NAVD) 88 expressed in feet above approximate mean sea level. The horizontal datum used was North American Datum (NAD) 83 expressed in New York State Plane Coordinate System (in feet).

## 3.5 Quality Assurance/Quality Control

QA/QC protocols and procedures were performed to ensure accuracy, precision, and completeness of all chemical data collected during SC activities. QA/QC protocols and procedures were completed in accordance with the NYSDEC-approved Quality Assurance Plan submitted as part of the SCWP.

### *3.5.1 Sample Quality Assurance/Quality Control*

QA/QC samples were collected during each phase of sampling in order to evaluate the validity of the sampling, decontamination, and analytical methods used during the site investigation. QA/QC samples collected during field sampling activities included trip blanks, duplicates, and field blanks (equipment rinsates). Table 5 summarizes the number and types of QA/QC samples collected for each sample media. Field duplicates consisted of two split samples from the same source, analyzed by the laboratory as separate samples. The laboratory was not aware of duplicate samples. This precaution allowed GEI to verify the laboratory reproducibility of analytical data. Field blanks (i.e., equipment rinsates) were used to monitor the adequacy of field equipment decontamination procedures that were used to prevent cross-contamination from one sample location to another sample location. Trip blanks were used to monitor possible sources of contamination from sample transport and storage.

Samples submitted to STL for analytical characterization were evaluated and reported by the laboratory according to USEPA methodologies 8260B (VOCs), 8270C (SVOCs), 8082 (PCBs), 6010/7000 (metals), and 9012 (cyanide). STL provided a full data evaluation package in accordance with Category B deliverable requirements. Additional data validation was performed by GEI based on the following documents.

- USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired Using SW-846 Method 8260B, SOP No. HW-24, Revision 1, June 1999.
- USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired Using SW-846 Method 8270C, SOP No. HW-22, Revision 2, June 2001.

- USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired Using SW-846 Method 8080A/8000A, SOP No. HW-23, Revision 0, April 1995.
- USEPA Region II Standard Operating Procedure (SOP) for the Evaluation of Metals Data for the Contract Laboratory Program, SOP No. HW-2, Revision 11, January 1992.

Data usability was conducted based on the following parameters.

- Preservation and Technical Holding Times
- Calibration Verification Results
- Blanks
- Field Duplicates
- Laboratory Fortified Blank Recovery

Copies of the data usability reports are provided in Appendix C. Data qualifiers used in the presentation of the analytical results are included with the reports.

A standard system of sample identification was used to allow samples to be tracked in field notes, chain-of-custody forms, and laboratory reports. The identification system is as follows.

Examples: KS-B-7 (3-5')
KS-MW-1
KS-SS-2 (0-2")

Where: KS = Kingsbridge Station
B-7 = soil boring location
(3-5') = sample depth (not used for groundwater samples)
MW-1 = monitoring well location
SS-2 = surface-soil location

### *3.5.2 Record Keeping and Documentation*

The following specific documents were incorporated into the record keeping procedure.

| Document | Purpose |
|---|---|
| Site Field Logs | Issued to each field member with a control number. These logs were the principal document for recording field data. |
| Chain-of-Custody Record | To track the possession of all samples from field to laboratory. |
| Accident Report, Daily First Aid Report, Employer's First Report of Injury, and OSHA 300 Forms | Data sheets attached to the HASP used to document accidents occurring at the site during site characterization activities. |

## 3.6 Well Abandonment and Site Restoration

### *3.6.1 Well Abandonment*

Upon completion of SC field activities, MW-1 was abandoned pursuant to the access agreement Con Edison obtained with the owner of 233 Landing Road (Block 3236, Lot 25). Well abandonment activities included over drilling the top 5 feet and tremie grouting the monitoring well from the bottom of the screened interval up to the ground surface. The grout was allowed to settle and the top 1 foot was finished with a concrete patch flush with the existing ground surface.

Well abandonment activities were completed in accordance with the NYSDEC document titled *Groundwater Monitoring Well Decommissioning Procedures*, dated April 2003.

### *3.6.2 Site Restoration*

Soil boring locations within the ball field were restored to pre-site characterization field activities condition by backfilling the top 6 inches of each borehole with topsoil and re-seeding the area around each location. Well abandonment and site restoration activities were documented in the SC field log book, including photographs.

# 4. Geologic and Hydrologic Characterization

Geologic, hydrologic, and chemical characterization data collected during site characterization are used to define the site hydrogeology, and to identify the specific contaminant concentrations in site soils and groundwater, and the potential pathways for potential contaminant transport. The interpreted site-specific geology and hydrology data were compared to the broader model of regional data and are incorporated into a conceptual model that describes the physical characteristics of the site. A discussion of the geologic and hydrologic interpretations is presented in this section. The interpretations of these data are supplemented with data tables, geologic cross-sections, contour maps, and a site map. Interpretations of the chemical data are presented in Section 5.

## 4.1 Geographic Setting

The topographic setting of the Kingsbridge Station site is illustrated in Figure 1, taken from a portion of the USGS topographic map for the area. As depicted in Figure 1, the land surface topography slopes to the west toward the Harlem River. The area of the site that is used as a playground on the western portion is relatively flat.

## 4.2 Regional Soils

The natural surficial material in Bronx County is predominantly glacial till that consists of a mixture of clay, silt, sand, gravel, and boulders. These glacial deposits are often highly stratified, having been reworked by fluvial processes. Freshwater and tidal marsh deposits, consisting of organic silt and clay, commonly overlie the glacial till. The glacial till is underlain by bedrock. Artificial fill deposits in the Bronx overlie much of the natural surficial material. These deposits include mixtures of glacial soil, highway construction debris (i.e., blast rock), building-demolition rubble (e.g., glass, wood, brick, and concrete), and cinders.

## 4.3 Regional Geology

The Kingsbridge Station site is located along a northeast-trending contact between the Fordham Gneiss and Inwood Marble formations. The Fordham Gneiss is Middle Proterozoic in age and is subdivided into four informal members. The eastern portion of the site is underlain by Member C of the Fordham Gneiss, which consists predominantly of black and white banded gneiss. Metamorphic rocks of the Inwood Marble underlie the western portion of the site (underneath the Deegan Expressway). The Inwood Marble is Lower Ordivician to Lower Cambrian in age and consists predominantly of calcite and dolomite marble. Figure 5 is a geologic map of a portion of the Bronx in New York City.

The landscape in southeastern New York was subjected to glaciation several times during the Pleistocene Epoch (approximately 1.8 million to 8,000 years ago). Glacial overburden deposits found in the area of the site were derived almost entirely from Late Wisconsinan glaciation that incorporated and transported large quantities of rock and soil. The Wisconsinan glacier retreated from New York State about 12,000 years ago. Post-glacial processes have reshaped the landforms of New York only moderately, mainly along floodplains and streams. Many of the original drainages and stream/shore configurations no longer exist due to artificial filling.

## 4.4 Site-Specific Geology

Overburden deposits and bedrock of the Kingsbridge Station site are classified into four main stratigraphic units, starting from ground surface: (1) fill; (2) glacial deposits; (3) weathered bedrock of the Fordham Gneiss; and (4) competent bedrock of the Fordham Gneiss. The fill is capped with a layer of asphalt pavement along the northern and western portions of the Fordham Landing Playground. The southern portion of the site, currently used as a baseball field, is capped with topsoil. Important characteristics of each stratigraphic unit are discussed below. The stratigraphy of the site is illustrated in Figures 6 through 9 (Geologic Cross-Sections A-A', B-B', C-C', and D-D'). The location of each cross-section is presented in Figure 4.

### *4.4.1 Competent Bedrock*

Competent bedrock was encountered in 10 borings drilled on site. Based on the geologic literature and some limited field observations, the competent bedrock in these areas consists mainly of the Fordham Gneiss, a black and white banded gneiss. The black bands are comprised predominantly of quartz plagioclase and biotite minerals, while the white bands are comprised predominantly of quartz-garnet-muscovite minerals.

The bedrock elevations on site ranged from 18 to 38 feet bgs. The bedrock contours for the site are presented in Figure 10. The bedrock surface dips predominantly north-northwest towards the Harlem River.

### *4.4.2 Weathered Bedrock*

A layer of friable weathered bedrock was encountered in many of the borings where competent bedrock was encountered. This layer varied in thickness between a few inches and several feet thick above the competent bedrock. It consisted of a very dense, black sand and clayey silt with quartz, biotite, and muscovite fragments.

### *4.4.3 Glacial Deposits*

The glacial deposits are stratigraphically located between the overlying fill material and bedrock. These deposits predominantly consist of poorly sorted, dense silty clay to fine gravel. Evidence of reworking of these deposits (i.e., stratification) by fluvial processes was observed in some

split-spoon samples. This evidence would be consistent with the site being located in a former drainage basin of the Harlem River. The glacial deposits are absent or very thin in the southern portions of the site and grade up to their maximum thickness along the northern boundary of the site. The glacial deposits may have been removed from the southern portion of the site when the gas holder was built. Based on a review of the geologic cross-sections and the available aerial photographs, it appears that the holder was constructed approximately 16 feet below the existing site ground elevation.

### *4.4.4 Site Topography*

A review of both the regional USGS topographic map and bedrock contour map shows the site is located within a natural bowl or depression adjacent to the Harlem River. Land and bedrock surface elevations remain relatively flat across most of the site. Figures 1 and 5 show the land surface topography. Presently, the surface elevation of the area of the site formerly occupied by the engine room/boiler house (Block 3236, Lot 25) is approximately 20 feet above the elevation of the area formerly occupied by the gas holder. This means that either the engine room was perched above the gas holder, or the area of the former engine room/boiler house has been filled since the plant closed. This information is important in order to determine if and when the existing fill was deposited on the site. No plans were available for the original engine room/boiler house constructed in 1910. However, plans were obtained from the Bronx Building Department for the 48- by 36-foot addition built onto the engine room/boiler house in 1948. These plans included six sheets that detailed the specifications for the new addition. These plans indicated that the addition was built to house two diesel-powered gas compressors. These plans provided information on the elevation of Lot 25 in 1947 and also provided insight into the size of the original engine room/boiler house. The original engine room/boiler house was constructed at an existing elevation of 13 feet and was approximately 55 feet high. In 1947 the northern portion of the engine room was approximately at the same elevation as the area of the site now occupied by a baseball field. In 1947 the land surface sloped downward from Landing Road to the north side of the engine room/boiler house. The engine room/boiler house was built into the side of the hill that sloped down from Landing Road and the bottom floor of the engine room/boiler house was at approximately the same elevation as the holder slab. Figure 11 shows a cross-sectional view (approximate) of the site circa 1947 and the present site conditions.

### *4.4.5 Fill Material*

Fill deposits overlie the glacial deposits and bedrock. Fill deposits in the vicinity of the former gas holder extend down to bedrock. Fill deposits in the remaining area of the site are underlain by glacial deposits. The fill consists predominantly of fine to coarse sand with varying percentages of silt, gravel, rock fragments, brick pieces, wood, and other urban-fill materials. The fill deposit is laterally continuous across the site and ranges in thickness from 6 feet in the northern portion of the site to 34 feet in the southern portion of the site where the paved parking lot is at a higher elevation. As illustrated on Figure 11, fill was placed on the site circa 1910

(prior to holder station operations); circa 1950 (post gas holder demolition); and circa 1986 (post New York University Research Laboratory demolition). The fill is capped by asphalt across the entire site, except the area currently being used as a baseball field.

## 4.5 Subsurface Features

What appeared to be a buried concrete slab was encountered during the drilling of several borings (B-3, B-4, B-5, B-5A, B-9, MW-2) and is presumed to be the bottom of the former ten million cubic foot holder. All of these borings encountered concrete at a consistently similar elevation between 15 and 16 feet bgs. In B-4 and MW-2, the concrete was 4 feet thick.

Boring B-1 encountered brick fill and void space that may be associated with the former engine room building. While drilling boring B-1, concrete fill was encountered at 32 feet bgs. Drilling was terminated at this depth due to spoon and auger refusal.

## 4.6 Regional Surface Water Hydrology

Surface water in the Bronx County occurs in lakes and streams. The Harlem River flows southward between the Boroughs of the Bronx and the upper portion of Manhattan. It originates from the Hudson River and discharges into the East River, approximately 4 miles south of the Kingsbridge Station site. In addition to the Hudson River, the Harlem River is fed by overland runoff, and diffuse flow from the overburden aquifer. The presence of large impervious areas of urbanization results in peak runoff from storms. The site-specific flow of groundwater from the overburden aquifer to the Harlem River are discussed in detail in subsection 4.8. The Harlem River is classified as Class I Saline Surface Waters by the NYSDEC. Class I waters are suitable for secondary contact recreation and fishing. These waters are suitable for fish propagation and survival.

## 4.7 Regional Groundwater Hydrology

### *4.7.1 Hydrogeology*

General information about the hydrogeology in the area of the site was known prior to conducting the site characterization. Hydrogeologic literature for New York City indicated that groundwater in the area moves predominantly from recharge areas to nearby valleys, where it typically discharges to the major rivers and streams. Groundwater recharge is primarily from infiltration of precipitation but minor amounts of water enter the groundwater system through leaking water mains, sewers, and sanitary disposal systems. Groundwater occurs predominantly under unconfined conditions in overburden, and in confined and unconfined conditions in fractured bedrock.

### *4.7.2 Groundwater Use Survey*

A preliminary groundwater use survey was conducted to identify potential receptors and to determine if the aquifer beneath and downgradient of the site is used for public purposes. Information on public and private water supply wells (residential and industrial) within a 1-mile radius of the site was obtained from multiple sources. An electronic database records search from EDR, which included information from the USGS, Federal Reporting Data System (FRDS) Public Water Supply System, and the New York State Database, was completed.

Groundwater in Bronx County is used only for industry and has not been withdrawn for public water supply since 1905 (Perlmutter and Arnow, 1953). Potable water used in the Bronx is obtained entirely from the New York City water supply system. No public or private wells were identified with 1 mile of the site. The NYSDEC groundwater classification for the site is Class GA Fresh Groundwaters.

## 4.8 Site-Specific Hydrogeology

A site-specific hydrogeologic characterization was conducted to provide specific data for the site and to determine how the site hydrology fits into the broad regional hydrogeologic model. Specifically, the hydrogeologic characterization data were used to (1) characterize the overburden aquifer; and (2) define local groundwater flow in the overburden. A detailed description of the site-specific hydrogeologic characterization is presented in this section. Table 4 presents a summary of the monitoring wells installed for site characterization, and includes well identification, depth, elevations, screened interval, and annular fills. Monitoring well locations are illustrated in Figure 4.

### *4.8.1 Characterization of the Overburden Aquifer*

The overburden aquifer at the site is unconfined and present within the fill, glacial deposits, and weathered bedrock geologic units. The competent bedrock surface defines the base of the overburden aquifer. The spatial distribution of each of these stratigraphic units is presented in Figures 6 through 9 (Geologic Cross-Sections A-A’, B-B’, C-C’, and D-D’). Cross-section A-A’ is oriented north-south along the western portion of the site. Cross-section B-B’ is oriented north-south along the eastern portion of the site. Cross-section C-C’ is oriented east-west along the southern portion of the site. Cross-section D-D’ is oriented east-west in the central portion of the site. As illustrated in the cross-sections, the fill, glacial deposits, and weathered bedrock stratigraphic units characterize the overburden aquifer. The fill is laterally continuous across the site. The glacial unit is absent towards the southern end of the site where the former holder foundation was located.

### *4.8.2 Groundwater Flow Within the Overburden Aquifer*

Two rounds of groundwater measurements were collected during the SC field work action. The depth to groundwater and the groundwater elevation measurements for the overburden aquifer are listed in Table 6. The groundwater level within the overburden aquifer ranges from approximately 3.6 to 20 feet bgs. Figure 12 illustrates the water table surface contours and groundwater flow direction for February 27, 2004. Groundwater measurements collected from wells screened in similar stratigraphic horizons and similar depths were used to determine the groundwater flow directions. The predominant groundwater flow is north-northwest in the direction of the Harlem River.

# 5. Nature and Extent of Detected Compounds

This section of the SC report discusses the nature and extent of compounds identified during the field activities. Analytical results for each of the compounds detected for each of the media of concern were compared to the appropriate New York State standard. Sample locations and sampling objectives are presented in Section 3 of this report.

The distribution of compounds that exceed the NYSDEC RSCOs for individual compounds (TAGM 4046) for soils or the NYSDEC ambient water quality standards for groundwater are discussed separately in this section. The interpretations of these data are supplemented with data tables, figures, and maps. Complete analytical results are presented as electronic files in Appendix C. All analytical data were validated. Validation reports are also included in the electronic files of Appendix C.

## 5.1 Identification of Petroleum-Related Residues

Physical evidence collected during SC field activities indicates that nonaqueous phase liquid (NAPL) is not present in subsurface fill or the native overburden on the site. NAPL was not identified at any of the sample locations at the site.

Physical evidence collected during SC field activities indicates that potential petroleum-related residue is present in the subsurface overburden on the site. Petroleum-related impacts include staining, hydrocarbon sheen, and/or hydrocarbon odor. When possible, hydrocarbon odors were described as fuel oil-like or naphthalene-like odors. Indiscernible hydrocarbon odors were described generically as hydrocarbon odors. Petroleum-related impacts were identified at six sample locations at the site: B-1, B-4, MW-1, MW-2, MW-3, and MW-4. Borings that exhibited only hydrocarbon odors included MW-1, MW-2, and MW-4. Sample locations B-1, B-4, and MW-3 exhibited hydrocarbon odors with staining and slight sheens. The borings that contained petroleum-related impacts are illustrated on geologic cross-sections (Figures 6 through 9).

As illustrated on the geologic cross-sections, hydrocarbon impacts are confined to the site in discrete zones within the fill deposits and are not present in the glacial deposits or weathered bedrock. Analytical samples were collected from each location exhibiting staining, sheens, and/or odors and analyzed for VOCs, SVOCs, PCBs, inorganics, and cyanide.

## 5.2 Distribution of Compounds Detected in Soil

Surface and subsurface soil at the site were compared to the NYSDEC RSCOs for individual compounds (TAGM 4046). Soil analytical results were compared to RSCOs in two subsets:

surface soil (0 to approximately 0.5 ft bgs) and subsurface soil (below 0.5 ft bgs). Surface soil and subsurface soil analytical summary statistics are presented in Tables 7 and 8, respectively. The laboratory analytical results of each of these soil subsets are presented in summary Tables 9 and 10. The tables present the sample identification, sample depth, analytical result and any applicable data qualifier for the compounds detected in a sample. The organic and inorganic compounds listed on the tables are the compounds detected in soils at concentrations above the reported analytical practical quantitation limit (PQL). Compounds detected in a sample are highlighted in blue. Analytical results that exceed the RSCO are highlighted in red. Analytical results reported as non-detect with a PQL above the applicable NYSDEC standard are shown in bold and italics. All positive results reported below the PQL were estimated and identified with a "J" qualifier. The method detection limit for these compounds is below the associated NYSDEC standard.

### *5.2.1 Surface-Soil Analytical Results*

Table 9 presents a comparison of the surface-soil analytical results to the RSCOs. VOCs were not detected at concentrations above the RSCOs. VOCs were only detected in one surface-soil sample from the site. Total xylenes were detected at a concentration of 0.002 ppm in surface soil sample SS-5, well below the NYSDEC RSCO of 1.2 ppm.

Numerous SVOCs were detected in surface-soil samples collected at the site. Concentrations of individual SVOCs in surface-soil samples ranged from nondetect to 1.2 ppm. Surface-soil samples collected from all nine locations exhibited concentrations of SVOCs that exceed the RSCO.

Samples collected from all nine locations exceed the RSCO for benzo(a)pyrene; samples from seven of the nine sample locations exceed the selected standard for dibenz(a,h)anthracene, and samples from two of the nine sample locations exceed the RSCO for benz(a)anthracene. The highest concentration for total SVOCs is 9.614 ppm, detected in surface-soil sample KS-SS-1. This total SVOC concentration is below the RSCO of 500 ppm. The concentration of SVOCs in surface soils do not exceed the background concentrations of polycyclic aromatic hydrocarbons (PAHs) published by Bradley, B.H., et al., and listed in Table 11.

The surface-soil SVOC data were evaluated using benzo(a)pyrene equivalents for the group of PAHs suspected to have potential carcinogenic effects. These compounds include benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene. The results are presented in Table 12. The benzo(a)pyrene equivalent concentration ranged from 0.16536 mg/Kg to 1.01314 mg/Kg. The highest concentration of benzo(a)pyrene equivalents was detected in surface-soil sample KS-SS-1.

PCBs were detected in eight of the nine surface-soil samples collected at the site. Aroclor 1248 was detected above the RSCO at four locations on site. The highest concentration of PCBs was detected in surface-soil samples KS-SS-2 and KS-SS-4 (2.3 ppm).

Metals were detected in surface-soil samples at concentrations that exceed the RSCOs for arsenic, chromium, copper, iron, mercury, nickel, and zinc. The concentrations and distribution of individual metals are similar for all samples. These data suggest that surface soil contains background concentrations of metals that exceed the RSCOs. Cyanide was not detected in surface soils. The surface-soil samples typically consisted of fine-to-medium sand with varying percentages of silt and coarse sand. Information collected from aerial photographs indicate that the surface soils were placed on site circa 1960 during the reconstruction of the site after the dismantling of the gas holder and the construction of the Major Deegan Expressway. Bronx Building Department Records indicate that the surface soils were further re-graded and additional soil was added to the field in 1996. The concentrations of metals in surface soils do not exceed the background concentrations published by Shacklette and Boerngen and listed in Table 11.

### *5.2.2 Subsurface Soils*

Table 10 presents a comparison of the subsurface-soil analytical results to the RSCOs. Table 8 lists the compounds that are present in subsurface soil, the number of subsurface-soil samples analyzed, the maximum detected concentration and corresponding sample identification, and the percent of samples that exhibit a concentration that exceed the RSCO. VOCs and PCBs were not detected in subsurface soils at concentrations that exceed the RSCOs. VOCs were present in subsurface-soil samples below the RSCOs in 39 of the 44 locations sampled. PCBs were present in subsurface-soil samples below the RSCOs in 15 of the 44 locations sampled.

SVOCs were detected at concentrations that exceed the RSCOs in 24 out of 44 (54 percent) of the subsurface-soil samples and at 13 of the 14 boring locations. The most prevalent SVOCs detected above RSCOs were benz(a)pyrene (55 percent), dibenz(a,h)anthracene (48 percent), benz(a)anthracene (45 percent), chrysene (39 percent), and benzo(k)fluoranthene (18 percent). These SVOCs, detected at concentrations that exceed the RSCOs, are distributed throughout subsurface-soil fill deposits at the site, including the post gas holder demolition fill (circa 1950) and the circa 1986 fill that was placed several decades after the New York University Research Laboratory building was demolished. None of the samples collected from the native glacial till contained SVOCs above the RSCOs. The sample exhibiting the greatest number of SVOCs that exceed standards was MW-3 (4-5). Soil sample MW-3 (4-5) contained 11 SVOCs that exceeded RSCOs and a total SVOC concentration of 434 mg/Kg. The concentration of SVOCs in subsurface soil only exceeded the background concentrations published by Bradley, B.H., et al., at two locations, (B-5 [8-10] and MW-3 [4-5]).

Metals detected at concentrations that exceed the RSCOs included arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, mercury, nickel, vanadium and zinc. These metals were detected above PQLs throughout the site in subsurface fill and the natural glacial till deposits that underlie the fill. The concentrations of metals in subsurface soils do not exceed the background concentrations published by Shacklette and Boerngen and listed in Table 11.

### *5.2.3 Extent of Surface- and Subsurface-Soil Impacts*

As presented in NYSDEC TAGM 4046, the maximum RSCOs are 10 mg/kg for total VOCs and 500 mg/kg for SVOCS. Figure 13 illustrates the distribution of total VOCs and SVOCs in surface soils. Total VOCs and SVOCs were not detected at concentrations that exceed the maximum RSCOs in surface soils. Analytical results for surface-soil samples collected at the site exceed RSCOs for individual SVOCs. Figure 13 also identifies the compounds that exceed the NYSDEC RSCOs in surface soils collected at the site. Analytical results indicate that subsurface-soil samples do not exceed the maximum recommended soil cleanup objectives for total VOCs and total SVOCs. Figure 14 illustrates the distribution of total VOCs and SVOCs in subsurface soils. Analytical results for subsurface-soil samples collected at the site exceed RSCOs for individual SVOCs. Figure 14 also identifies the compounds that exceed the NYSDEC individual compound RSCOs in subsurface-soil samples collected at the site. In Figure 13 and Figure 14, the total concentration of VOCs and SVOCs for each location and the corresponding sample depth are presented in a call out box adjacent to each sample location. VOCs and/or SVOCs detected in a sample are presented in blue.

The subsurface fill unit at the site has a limited number of hydrocarbon impacts (i.e., staining and/or sheen, and/or hydrocarbon odor). Nine of 44 subsurface-soil samples exhibited some degree of physical hydrocarbon impacts. These impacts are in discrete zones within the fill unit at the site and do not exceed the TAGM maximum RSCO. The highest concentration of total VOCs and SVOCs were collected from sample location MW-3 (4-5) that exhibited visible and olfactory evidence of hydrocarbon impacts. This sample was collected from shallow subsurface fill deposits directly northeast of the former holder location.

## 5.3 Distribution of Compounds Detected in Groundwater

One round of groundwater samples was collected for laboratory analysis from seven monitoring wells (two on-site nested monitoring well pairs and three on-site individual wells) to characterize groundwater chemistry. The collection of groundwater samples from each single well point and nested monitoring well pair allowed for a complete characterization of the groundwater chemistry for the overburden aquifer. Monitoring wells MW-2, MW-4S, MW-4D, MW-5S, and MW-5D, illustrated in Figure 4, are located along the hydraulically downgradient site property boundary. Monitoring wells MW-2 and MW-3 were installed on site in an area adjacent to the former gas holder. Monitoring well MW-1 is located in the southeastern corner of Lot 25 along the hydraulically upgradient site boundary.

### 5.3.1 Groundwater Analytical Results

The groundwater analytical results are compared to the NYSDEC Ambient Water Quality Standards (AWQS) and Guidance Values for a GA Water Class in Table 13. Table 13 presents the sample identification, analytical result, and applicable data qualifiers for VOCs, SVOCs, PCBs, TAL metals and cyanide. The organic and inorganic compounds listed on the table are the compounds identified at the site. Compounds detected in a sample are highlighted in blue. Analytical results that exceed the AWQS are highlighted in red. Groundwater summary statistics are presented in Table 14. Figure 15 illustrates the distribution of compounds detected above the applicable NYSDEC AWQS in groundwater. The concentration of each compound that exceeds the AWQS is presented in a call out box adjacent to each sample location.

No VOCs or SVOCs present above the PQL were identified during the groundwater monitoring program.

PCBs were not detected above the RSCOs in any of the groundwater samples collected at the site. PCBs were detected below the AWQS in groundwater samples collected from two of the seven wells on site. The highest concentration was detected in samples collected from monitoring well MW-2 (0.74 ug/L).

During the SC, groundwater samples were analyzed for TAL metals. Metals results are presented in Table 13. Several metals were detected at concentrations above the AWQS, including iron, magnesium, manganese, and sodium. Cyanide was detected at concentrations below the AWQS in monitoring wells MW-1 and MW-2. The highest concentration of cyanide was detected in hydraulically upgradient monitoring well MW-1 (49.5 ug/L).

### 5.3.2 Extent of Groundwater Impacts in Overburden Aquifer

This subsection presents the lateral extent of compounds detected in groundwater at concentrations exceeding the AWQS. No VOCs or SVOCs were detected above the PQLs in any of the groundwater samples collected at the site. PCBs and cyanide were not detected above the AWQS in any of the monitoring wells at the site. Four metals were detected at concentrations above the AWQS in groundwater samples at the site. Sodium exceeded the AWQS in all seven monitoring wells. Sodium concentrations ranged from 26.1 mg/L in MW-4D to 449 mg/L in MW-1. Iron exceeded the AWQS in groundwater collected from five of the seven monitoring wells. Iron concentrations ranged from nondetect in MW-2 and MW-5S to 10.6 mg/L in MW-4S. Manganese exceeded the AWQS in groundwater collected from five of the seven monitoring wells. Manganese concentrations ranged from 0.04 mg/L in MW-2 to 3.29 mg/L in MW-4S. Magnesium exceeded the AWQS in groundwater collected from four of the seven monitoring wells. Magnesium concentrations ranged from 18.7 mg/L in MW-2 to 117 mg/L in MW-1. Site groundwater containing compounds detected at concentrations above the AWQS are limited to inorganic analytes and appear to be distributed randomly across the entire site.

# 6. Contaminant Fate and Transport

This section provides a discussion of the physical and chemical characteristics of compounds present at the site above the applicable regulatory limit, and a discussion of the potential sources, migration pathways, and receptors for those contaminants that are present within each media at concentrations exceeding the applicable screening standards, and generally include PAHs, PCBs, and metals. The environmental media that may serve as pathways for contaminant migration are surface soil, subsurface soil, and groundwater. An understanding of sources, migration pathways, and potential receptors is used to evaluate the need for remedial actions to protect human health and the environment.

## 6.1 Surface Soil

Individual PAHs, PCB arochlors, and metals were identified as contaminants that are present at concentrations exceeding the applicable screening standards in surface soil in the baseball field portion of the site. No other surface soils are exposed since the remainder of the site is covered by asphalt. The surface soil in the baseball field is composed of topsoil collected from the uppermost portion of the soil below the baseball field turf (i.e., 0 to 2-inch interval). The analytical data indicate that the surface soil contains concentrations of metals and PAHs within the range of typical background concentration for eastern United States urban soils.

Migration of contaminants from the surface soil is possible at the site if soils are disturbed by recreation, maintenance, and/or construction activities, but primarily through transport via dust or wind erosion. The nature of the contaminants is such that they are relatively stable in soils and would likely remain attached to soil particles.

## 6.2 Subsurface Soil

PAHs and metals were identified as contaminants that are present at concentrations exceeding the applicable screening standards in subsurface soil. As discussed in Section 5, subsurface soil PAH concentrations above individual TAGM 4046 RSCOs is limited to the fill deposit at the site. The only PAHs detected in the subsurface soil on site at concentrations above the RSCOs are the five- and six-ring higher molecular weight PAHs. The samples exhibiting the greatest number of PAHs that exceed RSCOs were collected from on-site subsurface soil that is visibly impacted by fuel oil or a similar hydrocarbon. The contaminants could potentially migrate through the subsurface soil by sorption and solubility. Each migration pathway, as it relates to the contaminants identified in subsurface soil at the site, is discussed below.

- **Sorption**. Sorption is usually defined as the reversible binding of a chemical to a solid matrix. However, there is evidence in the published literature that there is an irreversible

component related to the time that the compound has been sorbed. Sorption of these compounds limits the fraction available for other fate processes such as volatilization and/or solubility. PAHs exhibit varying degrees of binding affinity to organic matter and soil particles; this affinity is dependent upon their individual molecular structures. In general, the higher molecular weight PAHs (e.g., benzo(a)pyrene) are strongly sorbed, whereas the lighter PAHs (e.g., naphthalene) are less strongly sorbed (EPA, 1979; EPA, 1986). Therefore, the higher molecular weight PAHs are expected to remain sorbed to soils and are not prone to volatilization. The sorption of metals to the subsurface soils is dependent upon subsurface pH and oxidation-reduction conditions and the availability of anions. Metals that do not remain sorbed to subsurface soils could be available for transport through the groundwater system in solution (see below).

- **Solubility**. PAHs have varying degrees of solubility. The lighter-end PAHs are more soluble while the heavier-end PAHs are less soluble and typically do not dissolve into groundwater. Groundwater movement of the overburden aquifer is toward the river. Analytical results for the groundwater samples collected from all seven monitoring wells at the site indicate that PAHs are not present at the site at concentrations above the analytical method detection limit. Therefore, no impact to Harlem River surface water is anticipated.

Metals in the subsurface soils could dissolve and leach to the groundwater system. However, the solubility of metals is highly dependent upon the pH and oxidation-reduction conditions of the aquifer, the valance state of the specific metal, and the availability of anions that the metals could bind with to become immobile. Dissolution of metals in the subsurface soils and transport in the dissolved state through the groundwater system is not considered to be a major transport mechanism. Furthermore, the concentrations of metals detected at the site are within the published background levels.

In summary, PAHs detected throughout the subsurface soils on site will be relatively stable in the soil matrix primarily due to their generally low water solubility and high sorption to soils. Therefore, these PAHs are not expected to migrate via volatilization or groundwater mobility. Metals in soil are also anticipated to be relatively immobile and indicative of urban background levels.

## 6.3 Groundwater

As mentioned in Section 5, no VOCs, SVOCs, or PCBs were detected in groundwater exceeding the applicable screening standards. Metal contaminants have been detected above NYSDEC AWQS in groundwater samples collected from all seven monitoring wells. Groundwater impacts do not appear to be related to historic site activities and are indicative of published urban background levels.

# 7. Qualitative Exposure Assessment

In this section, potential exposure pathways and receptors are identified and evaluated for each of the contaminants above the applicable screening criteria identified for each media of concern. Exposure pathways are evaluated to determine the qualitative risk to a receptor from all contaminants above the applicable screening criteria along a transport pathway. Potential transport pathways are defined as any mechanism by which site contaminants are carried from the environment to a receptor. A complete exposure pathway exists when the following elements are documented: (1) a contaminant source; (2) a contaminant release and transport mechanism; (3) a point of exposure; (4) a route of exposure; and (5) a receptor population. Sections 5 and 6 of this report document the source of the contaminants above the applicable screening criteria, the nature of the contaminants, and the potential transport mechanisms that account for the distribution of contaminants. This information is used in this section to present a summary of complete exposure pathways.

## 7.1 Potential Exposure Points and Screening Criteria

Tables 9, 10, and 13 identify the contaminants for each media and identify whether the screening criteria are exceeded. A potential point of exposure exists if one or more contaminant(s) exceed the screening criteria for a media. It is important to note that these criteria are used to make a preliminary assessment of the risk posed by compounds to human health and the environment and do not necessarily represent the final concentrations that must be achieved through remediation. A site-specific evaluation procedure must be employed to quantify the level of risk, establish the need for remediation goals, and determine appropriate risk management actions (if any). The following media contain contaminants above applicable screening levels within the study area.

- **Surface Soil** results were compared against individual compound RSCOs presented in TAGM 4046

- **Subsurface Soil** results were compared against individual compound RSCOs presented in TAGM 4046

- **Groundwate**r results were compared against NYS AWQS per PART 703

## 7.2 Potential Receptors and Routes of Exposure

The potential human receptors for each contaminant above the applicable screening level in each media were determined based on current land use and foreseeable potential future land uses. The northern portion of the former Holder Station site is owned and controlled by the City of New York. This portion of the site is located within Fordham Heights Playground and a portion of the Major Deegan Expressway. Future site construction activities include the use of sections of the site as rights of way (ROWs) for realignment of the expressway access lanes. The current and future land uses for the park property indicate that the primary potential human receptors for soil and groundwater include construction workers, maintenance workers, and park users. The current and future land uses for the parking lot property indicate that the primary potential human receptors for soil and groundwater include construction workers, maintenance workers, and parking lot customers. Specifically, the following potential human receptors were identified and evaluated for each media of concern as part of the qualitative exposure assessment.

- **Maintenance Workers** – includes a park worker who periodically maintains park property (including facility maintenance and groundskeeping). The maintenance worker may be exposed to contaminants in surface soils through incidental ingestion, dermal contact, and inhalation of fugitive dust. A maintenance worker would also periodically clean out and service the sewer lines and the catch basins. A sewer maintenance worker may be exposed to contaminants in groundwater through dermal contact and incidental ingestion. Groundwater is not considered a primary point of exposure for a maintenance worker.

- **Construction Worker** – includes individuals who would install sewers, build foundations, or perform other park improvements or redevelopment construction activities (e.g., NYSDOT workers, NYC Parks and Recreation Department workers). These individuals may be exposed to contaminants in shallow subsurface soils during excavation activities through incidental ingestion, dermal contact, and inhalation of volatilized compounds and fugitive dust. These workers may be exposed to contaminants in groundwater through dermal contact and incidental ingestion. These workers may also be exposed to contaminants in surface soils through incidental ingestion, dermal contact, and inhalation of fugitive dust.

- **Park Users** – includes visitors to the park. Park users may be exposed to contaminants in surface soils through incidental ingestion, dermal contact, and inhalation of fugitive dust.

- **Parking Lot Patrons –** includes individuals parking at the privately owned lot. Presently this property is an asphalt parking lot. No exposure pathway presently exists.

## 7.3 Assessment of Exposure Pathways

Using the data collected during the SC sampling program, each potential exposure pathway identified above is assessed in the following section. A complete exposure pathway exists when a contaminant is present in a media above the screening criteria (potential exposure point) and a potential receptor can be exposed to that contaminant through one or more of the exposure routes identified in subsection 7.2. For purposes of this qualitative exposure assessment, a potential exposure point was identified if the analytical results for at least one contaminant exceeded the screening criteria identified in subsection 7.1. A human exposure pathway therefore exists if there is a potential for a receptor to be exposed through one or more exposure routes to the specific exposure point based on the specific land use and impacted media.

An example of a complete exposure pathway would be an on-site NYSDOT construction worker excavating an 8-foot deep pit to install a sewer drainpipe. If the soils contain contaminants (PAH, or metals) at concentrations greater than the RSCOs, then a complete exposure pathway exists for the construction worker potentially contacting those soils, or potentially inhaling particulates from the excavation (route of exposure).

Table 15 is a matrix for each medium in the study area where contaminants are known to exist. The matrices identify the sample media that contain concentrations of contaminants that exceed screening criteria, and indicate if a complete exposure pathway exists for the potential receptors.

## 7.4 Exposure Summary

Con Edison and Con Edison's predecessor companies owned the land at Kingsbridge Station prior to subdividing the land and selling it to various parties. Prior to selling the portion of the site occupied by the gas holder, the holder was dismantled. Further activities included regrading the property and constructing a baseball field in the vicinity of the former holder. This fill and topsoil are the surface soils that potential receptors could currently contact.

- Surface soils contain metals and PCB concentrations above individual TAGM 4046 RSCOs and represent a complete exposure pathway. Metal concentrations are within established background levels. Park records indicate that in 1996 the baseball field was re-graded and approximately 0.5 to 1 foot of material was added to the previous grade. New sod was also added to the field.

- Subsurface soils that underlie the site contain PAH and metal concentrations above individual TAGM 4046 RSCOs and represent a complete exposure pathway. The majority of these exceedances are within published background values. Bronx Building Department records show that the original grade of Block 3236, Lot 25 was similar to the

present grade of the baseball field. These records also show that the building on Lot 25 was demolished in 1986.

- Groundwater located on site contains metal concentrations above NYS AWQS and represent a complete exposure pathway. The distribution of metals in groundwater appears to be related to the native overburden soils.

# 8. Summary and Conclusions

The SC conducted at the Kingsbridge Station site determined the nature, concentration, extent, and potential for movement of all contaminants present on the site. An integrated investigation of the site geology and hydrology, soil, and groundwater chemistry allowed identification of potential contaminant source areas, media of concern, and the extent and potential for movement of all identified contaminants. The goal of the SC was to provide the necessary data to assess the potential risk posed by contaminants to human health and the environment, and to determine appropriate risk management actions. The results of the SC are summarized below.

## 8.1 Surface Soils

- Surface-soil samples were collected from fill that was placed at the site in 1996, approximately 25 years after the holder station was demolished.

- VOCs were not detected above the NYSDEC TAGM 4046 individual compound RSCOs in surface-soil samples collected at the site.

- Compounds detected above the NYSDEC TAGM 4046 individual compound RSCOs in surface-soil samples collected from the site include PAHs, PCBs, and metals.

- PAHs were detected above the individual compound RSCOs in all nine surface-soil samples collected at the site.

- The highest total SVOC concentration detected in surface soils (9.614 mg/l) is significantly below the RSCO of 500 mg/l.

- Metals were detected above the TAGM 4046 individual compound RSCOs in all nine samples collected at the site.

- Cyanide was not detected in surface soils.

- PCBs were detected above the TAGM 4046 individual compound RSCOs in four of the nine samples. PCB concentrations ranged from nondetect to 2.3 mg/Kg.

## 8.2 Subsurface Soils

- Subsurface-soil samples were collected from fill that was placed at the site circa 1910 (prior to holder station operations), circa 1950 (post gas holder demolition), and circa

1986 (post New York University Research Laboratory demolition). Subsurface-soil samples were also collected from native soils that underlie the fill deposits.

- VOCs were not detected above the NYSDEC TAGM 4046 individual compound RSCOs in subsurface-soil samples collected at the site.

- Compounds detected above the TAGM 40406 individual compound RSCOs in subsurface-soil samples include PAHs and metals.

- PAHs were detected at concentrations that exceed the RSCOs in 24 of the 44 samples collected at the site and are distributed throughout subsurface fill deposits. The most prevalent contaminants include benzo(a)pyrene, benz(a)anthracene, chrysene, and benzo(b)fluoranthene. The samples with the highest concentrations and greatest number of PAHs that exceed the RSCOs were collected from subsurface soils exhibiting physical evidence of hydrocarbon impacts (hydrocarbon staining and odors).

- Metals were detected at concentrations that exceed the TAGM 4046 individual compound RSCOs in all 44 samples collected at the site and include arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, mercury, nickel, vanadium, and zinc. With the exception of mercury, these metals were detected throughout the site and park property in fill and natural (e.g., glacial unit) deposits. Mercury was detected throughout the fill deposits and was detected above the RSCO in 12 subsurface-soil samples. The concentrations and distribution of individual metals suggest that subsurface soils contain background concentrations of metals that exceed TAGM 4046 individual RSCOs.

- PCBs were not detected in subsurface soils above the TAGM 4046 individual RSCOs.

- Cyanide did not exceed the RSCO in subsurface soils.

## 8.3 Groundwater

- Groundwater samples were collected from six monitoring wells screened in the overburden aquifer.

- No organic constituents were detected in groundwater samples collected from the site.

- Metals were detected at concentrations above AWQS in all five monitoring wells and include iron, manganese, magnesium, and sodium.

- Cyanide was not detected above the AWQS in groundwater samples collected from monitoring wells at the site.

## 8.4 Qualitative Exposure Assessment

A qualitative human health exposure assessment was conducted to identify potential exposure pathways to contaminated media. Based on the distribution of contaminants and the land use of the site, there are complete exposure pathways posed to maintenance workers, construction workers, and park users at the site and park property. The primary points of exposure are on-site topsoil in the area of the baseball field and subsurface fill deposits that contain constituents at concentrations greater than the NYSDEC TAGM 4046 individual compound RSCOs. The majority of the constituents detected above RSCOs are within published background values.

## 8.5 Conclusion

The results of the SC indicate that constituents were detected above the NYSDEC TAGM 4046 individual compound RSCOs in surface soil and fill deposits at the site. Nine surface-soil samples were collected from the baseball field. The surface soils were placed in 1996 during the re-grading of the baseball field. Therefore, the SVOCs, metals and PCBs detected above the NYSDEC TAGM 4046 individual compound RSCOs were deposited at the same time as the field was re-graded or after 1996, and would not be associated with the former gas holder operations. In addition, the concentrations of individual PAHs and metals are within the range of typical background concentrations for the eastern United States.

Forty-four subsurface-soil samples were collected from the site. SVOCs and metals detected at concentrations that exceed the NYSDEC individual RSCOs are distributed throughout on-site fill deposits, including the post gas holder demolition fill (circa 1950) and the circa 1986 fill that was placed several decades after the NYU Research Laboratory building was demolished. Except for the subsurface-soil samples collected from boring MW-3 (4-5’), the concentrations of individual PAHs and metals detected in subsurface fill deposits are within the range of typical background concentrations for the eastern United States. The subsurface fill samples collected from MW-3 (4-5’) exhibited visual evidence of hydrocarbon contamination. This sample had the highest concentration and greatest number of SVOCs that exceed NYSDEC TAGM 4046 individual compound RSCOs. This sample was collected at the bottom of an embankment, outside the area of the former holder and approximately 250 feet north of the former engine room/boiler house. At this sample location, no physical evidence of contamination or chemical concentrations above typical background were detected in soil samples collected below the 4- to 5-foot depth interval.

This SC was conducted to confirm the presence or absence of wastes typical of MGPs and holder station operations. Physical observations from the surface- and subsurface-soil sampling indicate that there are no “sources” of MGP wastes located at the site. The concentration and distribution

of individual constituents that exceed the NYSDEC individual RSCOs suggest that the contamination at the site is associated with the generalized effects of urban activity and are not the result of a source related to the former gas operations. Therefore, no further investigation activities are considered necessary, nor are any remedial measures required. No further action is recommended for the Kingsbridge Station site.

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# Tables

**Table 1**
**Field Activities Summary**
**Kingsbridge Station**
**Bronx, New York**

| Date | Action Summary | Objective(s) |
|---|---|---|
| January 8, 2004 | Surface-soil sampling from baseball field | Site characterization to determine the presence/absence of MGP holder station impacts to the topsoil on the baseball field |
| January 8, 2004 to January 13, 2004 | Utility markout/clearance | Locate any underground utilities at investigation points |
| January 12, 2004 to February 2, 2004 | Air monitoring | Protect work zone and off-site receptors from contaminants during investigation activities |
| January 14, 2004 to February 5, 2004 | Subsurface-soil sampling from soil borings | Site characterization to determine the presence/absence of MGP holder station impacts |
| January 20, 2004 to February 5, 2004 | Monitoring well installation | Site characterization to determine the presence/absence of MGP holder station impacts to the groundwater |
| February 9, 2004 to February 10, 2004 | Well development | To restore the natural permeability of the formation in the vicinity of the well and to remove silt/clay to provide a representative groundwater sample |
| February 24, 2004 | Site survey | Document locations and elevations of former MGP holder station structures and investigation points |
| February 24, 2004 to February 25, 2004 | Groundwater sampling | Evaluate groundwater quality at the site |
| February 27, 2004 | Water level measurement | Determine groundwater flow direction at the site |
| February 26, 2004 to February 27, 2004 | Investigation Derived Waste (IDW) removal | Remove drummed IDW from site to appropriate disposal facility |
| April 5, 2004 | Well abandonment | Abandon monitoring well MW-1 |
| April 5, 2004 | Site restoration | Restore site to conditions documented prior to commencing field activities. |

**Table 2**
**Sample Summary**
**Kingsbridge Station**
**Bronx, New York**

| Investigatory Method | Number of Data Points |
|---|---|
| ***Geologic Data*** | |
| Surface-soil samples | 9 |
| Subsurface-soil borings | 16 |
| ***Hydrologic Data*** | |
| Overburden aquifer monitoring wells | 7 |
| ***Chemical Data*** | |
| Surface-soil samples | 9 |
| Subsurface-soil samples (soil boring) | 44 |
| Groundwater samples | 7 |
| Investigation-derived waste | 2 |

## Table 3
## Sampling Location Rationale
## Kingsbridge Station
## Bronx, New York

| Sample Location Identification | Location Rationale/Structure or Area of Investigation |
|---|---|
| **Soil Borings** | |
| B-1 and B-2 | Characterize potential impacts to soil in area of former Engine Room/Boiler House. |
| B-3, B-4, and B-9 | Characterize potential impacts to soil in area of baseball field and former Gas Holder operations. |
| B-5, B-6, B-7, and B-8 | Characterize potential impacts to soil in area of proposed Major Deegan Expressway improvements. |
| **Surface Soil** | |
| SS-01 through SS-09 | Characterize existing surficial conditions for exposure assessment. |
| **Wells** | |
| MW-1 | Characterize site hydrology and potential impacts to groundwater/soil near southeastern site boundary (upgradient of former MGP holder operations). |
| MW-2 | Characterize site hydrology and potential impacts to soil/groundwater in area of former holder (downgradient of former engine room/boiler house). |
| MW-3 | Characterize site hydrology and potential impacts to soil/groundwater near former holder. |
| MW-4 | Characterize site hydrology and potential impacts to soil/groundwater in area of paved parking lot (downgradient of former holder). Approximate location of boring DH-1, drilled during Hazardous Waste Assessment conducted in 1999. |
| MW-5 | Characterize site hydrology and potential impacts to soil/groundwater in northwestern portion of site. |

**Table 4**
**Groundwater Monitoring Well Construction Details**
**Kingsbridge Station**
**Bronx, New York**

| Well ID | Well Depth (feet bgs) | Total Depth (feet bgs) | Ground Surface Elevation (feet NAVD) | Top of Riser Elevation (feet NAVD) | Inside Casing Diameter (inches) | Screen Interval (feet bgs) | Screen Type | Annular Fills | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Interval (feet bgs) | Fill Type |
| MW-1 * | 29.00 | 33.00 | 39.18 | 38.72 | 2.00 | 19-29 | Slotted<br>0.020<br>PVC | 0-15<br>15-17<br>17-33 | Cement Grout<br>Bentonite Seal<br>#2 Quartz Sand Filter |
| MW-2 | 14.50 | 15.00 | 16.01 | 15.53 | 2.00 | 5-15 | Slotted<br>0.020<br>PVC | 0-2<br>2-4<br>4-15 | Cement Grout<br>Bentonite Seal<br>#2 Quartz Sand Filter |
| MW-3 | 14.00 | 18.00 | 15.62 | 15.08 | 2.00 | 4-14 | Slotted<br>0.020<br>PVC | 0-1<br>1-2<br>2-18 | Cement Grout<br>Bentonite Seal<br>#2 Quartz Sand Filter |
| MW-4S | 16.70 | 17.00 | 17.25 | 17.01 | 2.00 | 7-17 | Slotted<br>0.020<br>PVC | 0-2<br>2-5<br>5-17 | Cement Grout<br>Bentonite Seal<br>#2 Quartz Sand Filter |
| MW-4D | 33.00 | 33.00 | 17.49 | 17.15 | 2.00 | 28-33 | Slotted<br>0.020<br>PVC | 0-18<br>18-21<br>21-33 | Cement Grout<br>Bentonite Seal<br>#2 Quartz Sand Filter |
| MW-5S | 23.00 | 23.00 | 23.47 | 23.25 | 2.00 | 13-23 | Slotted<br>0.020<br>PVC | 0-8<br>8-10<br>10-23 | Cement Grout<br>Bentonite Seal<br>#2 Quartz Sand Filter |
| MW-5D | 37.25 | 38.00 | 23.57 | 23.27 | 2.00 | 33-38 | Slotted<br>0.020<br>PVC | 0-29<br>29-31<br>31-38 | Cement Grout<br>Bentonite Seal<br>#2 Quartz Sand Filter |

*Abandoned in accordance with NYSDEC guidance document *Groundwater Monitoring Well Decommissioning Procedures* , April 2003.

## Table 5
## Sample Collection and Analytical Summary
## Kingsbridge Station
## Bronx, New York

| Medium | Sampling Method | Analytical Parameters | Number of Samples | Number of Field Blanks | Number of Trip Blanks | Number of Field Duplicates |
|---|---|---|---|---|---|---|
| Surface Soil | Grab from baseball field | VOCs<br>SVOCs<br>TAL Metals<br>PCBs<br>Cyanide | 9 | 1 | 1 | 1 |
| Subsurface Soil | Split spoon from borings | VOCs<br>SVOCs<br>TAL Metals<br>PCBs<br>Cyanide | 44 | 3 | 0 | 3 |
| Groundwater | Peristaltic pump | VOCs<br>SVOCs<br>TAL Metals<br>PCBs<br>Cyanide | 7 | 1 | 1 | 1 |

**Notes:**

VOCs – volatile organic compounds - EPA SW846 method 8260B
SVOCs – semivolatile organic compounds - EPA SW846 method 8270C
TAL – target analyte list - EPA 6000/7000 Series
Cyanide - EPA SW846 Method 9012
PCBs - polychlorinated byphenols EPA SW846 Method 8081

## Table 6
## Groundwater Elevation Data
## Kingsbridge Station
## Bronx, New York

| Location | Surveyed Top of Casing Elevation | February 22, 2004 | | February 27, 2004 | |
|---|---|---|---|---|---|
| | | Depth to Groundwater (feet from TOC) | Groundwater Elevation (feet NAVD) | Depth to Groundwater (feet from TOC) | Groundwater Elevation (feet NAVD) |
| MW-1 | 38.72 | 19.90 | 18.82 | 19.95 | 18.77 |
| MW-2 | 15.53 | 7.98 | 7.55 | 8.00 | 7.53 |
| MW-3 | 15.08 | 3.60 | 11.48 | 3.67 | 11.41 |
| MW-4S | 17.01 | 8.62 | 8.39 | 8.63 | 8.38 |
| MW-4D | 17.15 | 10.18 | 6.97 | 9.02 | 8.13 |
| MW-5S | 23.25 | 14.49 | 8.76 | 14.55 | 8.70 |
| MW-5D | 23.27 | 14.59 | 8.68 | 14.64 | 8.63 |

**Table 7**
**Surface-Soil Summary Statistics**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC RSCO (TAGM 4046) | Number of Samples Analyzed | Number of Detections | Maximum Detected Concentration (mg/kg) | Sample with Maximum Detected Concentration | Number of Detections that Exceed NYSDEC RSCO | Percent Detected that Exceed NYSDEC RSCO |
|---|---|---|---|---|---|---|---|
| **VOCs (mg/kg)** | | | | | | | |
| Xylene, Total | 1.2 | 18 | 2 | 0.002 | KS-SS-5 | 0 | 0 |
| Total VOCs | 10 | 9 | 1 | 0.002 | KS-SS-5 | 0 | 0 |
| **SVOCs (mg/kg)** | | | | | | | |
| Acenaphthene | 50 | 9 | 1 | 0.062 | KS-SS-2 | 0 | 0 |
| Acenaphthylene | 41 | 9 | 9 | 0.41 | KS-SS-1 | 0 | 0 |
| Anthracene | 50 | 9 | 9 | 0.18 | KS-SS-2 | 0 | 0 |
| Benzo[g,h,i]perylene | 50 | 9 | 9 | 1 | KS-SS-1 | 0 | 0 |
| Fluoranthene | 50 | 9 | 9 | 1.2 | KS-SS-1 | 0 | 0 |
| Fluorene | 50 | 9 | 1 | 0.065 | KS-SS-2 | 0 | 0 |
| Phenanthrene | 50 | 9 | 9 | 0.77 | KS-SS-2 | 0 | 0 |
| Pyrene | 50 | 9 | 9 | 0.91 | KS-SS-1 | 0 | 0 |
| Benz[a]anthracene | 0.224 | 9 | 9 | 0.38 | KS-SS-1 / KS-SS-2 | 2 | 22 |
| Benzo[a]pyrene | 0.061 | 9 | 9 | 0.57 | KS-SS-1 | 9 | 100 |
| Benzo[b]fluoranthene | 1.1 | 9 | 9 | 0.75 | KS-SS-1 | 0 | 0 |
| Benzo[k]fluoranthene | 1.1 | 9 | 8 | 0.73 | KS-SS-1 | 0 | 0 |
| Chrysene | 0.4 | 9 | 9 | 0.84 | KS-SS-1 | 2 | 22 |
| Dibenz[a,h]anthracene | 0.014 | 9 | 7 | 0.24 | KS-SS-1 | 7 | 100 |
| Indeno[1,2,3-cd]pyrene | 3.2 | 9 | 9 | 0.82 | KS-SS-1 | 0 | 0 |
| Bis(2-ethylhexyl)phthalate | 50 | 9 | 1 | 0.95 | KS-SS-1 | 0 | 0 |
| Butyl benzyl phthalate | 50 | 9 | 4 | 0.093 | KS-SS-3 | 0 | 0 |
| Carbazole | NE | 9 | 2 | 0.15 | KS-SS-1 | 0 | 0 |
| Dibenzofuran | 6.2 | 9 | 1 | 0.054 | KS-SS-2 | 0 | 0 |
| Total SVOCs | 500 | 9 | 9 | 9.614 | KS-SS-1 | 0 | 0 |
| **PCBs (mg/kg)** | | | | | | | |
| Aroclor 1248 | 10 | 9 | 8 | 2.3 | KS-SS-1 | 4 | 50 |
| Aroclor 1260 | 10 | 9 | 2 | 0.019 | KS-SS-6 | 0 | 0 |
| **Inorganics (mg/kg)** | | | | | | | |
| Aluminum | SB | 9 | 9 | 9120 | KS-SS-6 | 0 | 0 |
| Arsenic | 7.5 or SB | 9 | 9 | 11.3 | KS-SS-1 | 4 | 44 |
| Barium | 300 or SB | 9 | 9 | 53.1 | KS-SS-6 | 0 | 0 |
| Calcium | SB | 9 | 9 | 30700 | KS-SS-8 | 0 | 0 |

**Table 7**
**Surface-Soil Summary Statistics**
**Kingsbridge Station**
**Bronx, New York**

| **Chemical Name** | NYSDEC RSCO (TAGM 4046) | Number of Samples Analyzed | Number of Detections | Maximum Detected Concentration (mg/kg) | Sample with Maximum Detected Concentration | Number of Detections that Exceed NYSDEC RSCO | Percent Detected that Exceed NYSDEC RSCO |
|---|---|---|---|---|---|---|---|
| Chromium | 10 or SB | 9 | 9 | 16.4 | KS-SS-9 | 9 | 100 |
| Cobalt | 30 or SB | 9 | 9 | 5.1 | KS-SS-7 | 0 | 0 |
| Copper | 25 or SB | 9 | 9 | 40.4 | KS-SS-7 | 1 | 11 |
| Iron | 2000 or SB | 9 | 9 | 13000 | KS-SS-7 | 9 | 100 |
| Lead | SB | 9 | 9 | 59 | KS-SS-6 | 0 | 0 |
| Magnesium | SB | 9 | 9 | 10000 | KS-SS-8 | 0 | 0 |
| Manganese | SB | 9 | 9 | 287 | KS-SS-6 | 0 | 0 |
| Mercury | 0.1 | 9 | 8 | 0.13 | KS-SS-3 / K-SS-6 K-SS-7 / K-SS-8 | 5 | 56 |
| Nickel | 13 or SB | 9 | 6 | 98.8 | KS-SS-5 | 6 | 100 |
| Potassium | SB | 9 | 9 | 582 | KS-SS-4 | 0 | 0 |
| Silver | SB | 9 | 5 | 0.6 | KS-SS-9 | 0 | 0 |
| Sodium | SB | 9 | 9 | 166 | KS-SS-7 | 0 | 0 |
| Vanadium | 150 or SB | 9 | 9 | 24 | KS-SS-7 | 0 | 0 |
| Zinc | 20 or SB | 9 | 8 | 298 | KS-SS-7 | 8 | 100 |

**Table 8**
**Subsurface-Soil Summary Statistics**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC RSCO (TAGM 4046) | Number of Samples Analyzed | Number of Detections | Maximum Detected Concentration (mg/kg) | Sample with Maximum Detected Concentration | Number of Detections that Exceed NYSDEC RSCO | Percent Detected that Exceed NYSDEC RSCO |
|---|---|---|---|---|---|---|---|
| **VOCs** | | | | | | | |
| Acetone | 0.2 | 44 | 26 | 0.067 | KS-B-6 (2-5) | 0 | 0 |
| Benzene | 0.06 | 44 | 3 | 0.059 | KS-MW-2 (16-18) | 0 | 0 |
| Butanone,2- (MEK) | 0.3 | 44 | 7 | 0.016 | KS-B-6 (2-5) | 0 | 0 |
| Carbon disulfide | 2.7 | 44 | 14 | 0.011 | KS-MW-2 (16-18) | 0 | 0 |
| Ethylbenzene | 5.5 | 44 | 12 | 0.027 | KS-MW-2 (16-18) | 0 | 0 |
| Methylene chloride | 0.1 | 44 | 13 | 0.005 | KS-MW-4 (10-12) / KS-B-6A(10-12) | 0 | 0 |
| Styrene | NE | 44 | 2 | 0.056 | KS-MW-2 (16-18) | 0 | 0 |
| Toluene | 1.5 | 44 | 12 | 0.11 | KS-MW-2 (16-18) | 0 | 0 |
| Xylene, Total | 1.2 | 44 | 15 | 0.27 | KS-MW-2 (16-18) | 0 | 0 |
| Total VOCs | 10 | 44 | 39 | 0.533 | KS-MW-2 (16-18) | 0 | 0 |
| **SVOCs** | | | | | | | |
| Acenaphthene | 50 | 44 | 24 | 12 | KS-MW-3 (4-5) | 0 | 0 |
| Acenaphthylene | 41 | 44 | 26 | 1.6 | KS-B-5 (8-10) | 0 | 0 |
| Anthracene | 50 | 44 | 28 | 26 | KS-MW-3 (4-5) | 0 | 0 |
| Benz[a]anthracene | 0.224 | 44 | 30 | 27 | KS-MW-3 (4-5) | 20 | 45 |
| Benzo[a]pyrene | 0.061 | 44 | 28 | 17 | KS-MW-3 (4-5) | 24 | 55 |
| Benzo[b]fluoranthene | 1.1 | 44 | 27 | 12 | KS-MW-3 (4-5) | 7 | 16 |
| Benzo[g,h,i]perylene | 50 | 44 | 26 | 14 | KS-MW-3 (4-5) | 0 | 0 |
| Benzo[k]fluoranthene | 1.1 | 44 | 26 | 15 | KS-MW-3 (4-5) | 8 | 18 |
| Bis(2-ethylhexyl)phthalate | 50 | 44 | 24 | 0.47 | KS-B1 (26-28) | 0 | 0 |
| Butyl benzyl phthalate | 50 | 44 | 13 | 0.12 | KS-B1 (26-28) | 0 | 0 |
| Carbazole | NE | 44 | 18 | 13 | KS-MW-3 (4-5) | 0 | 0 |
| Chrysene | 0.4 | 44 | 29 | 27 | KS-MW-3 (4-5) | 17 | 39 |
| Dibenz[a,h]anthracene | 0.014 | 44 | 21 | 4.9 | KS-MW-3 (4-5) | 21 | 48 |
| Dibenzofuran | 6.2 | 44 | 19 | 8.3 | KS-MW-3 (4-5) | 1 | 2 |
| Di-n-butyl phthalate | 8.1 | 44 | 9 | 0.093 | KS-B-2 (3-4) | 0 | 0 |
| Di-n-octyl phthalate | 50 | 44 | 1 | 0.031 | KS-B-6A(10-12) | 0 | 0 |
| Fluoranthene | 50 | 44 | 30 | 75 | KS-MW-3 (4-5) | 1 | 2 |
| Fluorene | 50 | 44 | 22 | 18 | KS-MW-3 (4-5) | 0 | 0 |
| Indeno[1,2,3-cd]pyrene | 3.2 | 44 | 24 | 12 | KS-MW-3 (4-5) | 5 | 11 |
| Methylnaphthalene,2- | 36.4 | 44 | 15 | 3.7 | KS-MW-2 (16-18) | 0 | 0 |
| Methylphenol, 4- | 0.9 | 44 | 1 | 0.044 | KS-B-2 (21-23) | 0 | 0 |
| Naphthalene | 13 | 44 | 17 | 11 | KS-MW-2 (16-18) | 0 | 0 |
| Nitroaniline,4- | NE | 44 | 1 | 0.31 | KS-MW-1 (3-4) | 0 | 0 |
| Phenanthrene | 50 | 44 | 30 | 82 | KS-MW-3 (4-5) | 1 | 2 |
| Pyrene | 50 | 44 | 30 | 68 | KS-MW-3 (4-5) | 1 | 2 |
| Total SVOCs | 500 | 44 | 41 | 434.5 | KS-MW-3 (4-5) | 0 | 0 |

**Table 8**
**Subsurface-Soil Summary Statistics**
**Kingsbridge Station**
**Bronx, New York**

| **Chemical Name** | NYSDEC RSCO (TAGM 4046) | Number of Samples Analyzed | Number of Detections | Maximum Detected Concentration (mg/kg) | Sample with Maximum Detected Concentration | Number of Detections that Exceed NYSDEC RSCO | Percent Detected that Exceed NYSDEC RSCO |
|---|---|---|---|---|---|---|---|
| **PCBs** | | | | | | | |
| Aroclor 1248 | 10 | 44 | 2 | 0.011 | KS-MW-3 (7-9) / KS-B-5 (8-10) | 0 | 0 |
| Aroclor 1254 | 10 | 44 | 8 | 0.11 | KS-B-4 (3-4) | 0 | 0 |
| Aroclor 1260 | 10 | 44 | 11 | 0.025 | KS-B-4 (3-4) | 0 | 0 |
| **Inorganics** | | | | | | | |
| Aluminum | SB | 44 | 44 | 26200 | KS-B-7 (48-49) | 0 | 0 |
| Antimony | SB | 44 | 2 | 3.6 | KS-B-5 (8-10) | 0 | 0 |
| Arsenic | 7.5 or SB | 44 | 31 | 21.5 | KS-B-4 (3-4) | 2 | 5 |
| Barium | 300 or SB | 44 | 44 | 487 | KS-B-7 (48-49) | 2 | 5 |
| Beryllium | 0.16 or SB | 44 | 2 | 0.97 | KS-B-7 (48-49) | 2 | 5 |
| Cadmium | 1 or SB | 44 | 1 | 1.7 | KS-MW-2 (16-18) | 1 | 2 |
| Calcium | SB | 44 | 44 | 122000 | KS-MW-2 (16-18) | 0 | 0 |
| Chromium | 10 or SB | 44 | 44 | 160 | KS-MW-5 (34-36) | 43 | 98 |
| Cobalt | 30 or SB | 44 | 44 | 43.7 | KS-B-7 (48-49) | 3 | 7 |
| Copper | 25 or SB | 44 | 44 | 738 | KS-B-5A (12-14) | 26 | 59 |
| Iron | 2000 or SB | 44 | 44 | 62100 | KS-B-2 (38-40) | 44 | 100 |
| Lead | SB | 44 | 44 | 445 | KS-MW-2 (16-18) | 0 | 0 |
| Magnesium | SB | 44 | 44 | 50900 | KS-B-4 (22-24) | 0 | 0 |
| Manganese | SB | 44 | 44 | 697 | KS-B-5 (3-5) | 0 | 0 |
| Mercury | 0.1 | 44 | 21 | 0.3 | KS-B-6 (2-5) | 12 | 27 |
| Nickel | 13 or SB | 44 | 36 | 229 | KS-MW-5 (34-36) | 35 | 80 |
| Potassium | SB | 44 | 44 | 12800 | KS-MW-5 (34-36) | 0 | 0 |
| Sodium | SB | 44 | 39 | 868 | KS-B-5 (8-10) | 0 | 0 |
| Thallium | SB | 44 | 1 | 4.2 | KS-B-2 (38-40) | 0 | 0 |
| Vanadium | 150 or SB | 44 | 44 | 190 | KS-MW-5 (34-36) | 2 | 5 |
| Zinc | 20 or SB | 44 | 44 | 810 | KS-B-5 (3-5) | 44 | 100 |
| Cyanide, Total | NE | 44 | 4 | 30.3 | KS-MW-2 (16-18) | 0 | 0 |

**NOTES**
NYSDEC - New York State Department of Environmental Conservation
RSCO - Recommended Soil Cleanup Objective
TAGM - Technical Administrative Guidance Memorandum
mg/kg - milligrams per kilogram
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
PCBs - Polychlorinated Biphenyls
SB - Site Background

**Table 9**
**Surface-Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/Depth (ft)/Date | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | KS-SS-1 0-2 inches 1/8/2004 | KS-SS-2 0-2 inches 1/8/2004 | KS-SS-3 0-2 inches 1/8/2004 | KS-SS-4 0-2 inches 1/8/2004 | KS-SS-5 0-2 inches 1/8/2004 | KS-SS-6 0-2 inches 1/8/2004 | KS-SS-7 0-2 inches 1/8/2004 | KS-SS-8 0-2 inches 1/8/2004 | KS-SS-9 0-2 inches 1/8/2004 |
| ***VOCs (mg/kg)*** | | | | | | | | | | |
| Xylene, Total | 1.2 | 0.007 U | 0.006 U | 0.006 U | 0.007 U | **0.002 J** | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Total VOCs | 10 | ND | ND | ND | ND | **0.002** | ND | ND | ND | ND |
| ***SVOCs (mg/kg)*** | | | | | | | | | | |
| Acenaphthene | 50 | 0.87 U | **0.062 J** | 0.76 U | 0.95 U | 0.92 U | 0.78 U | 0.76 U | 0.78 U | 0.81 U |
| Acenaphthylene | 41 | **0.41 J** | **0.099 J** | **0.057 J** | **0.12 J** | **0.041 J** | **0.063 J** | **0.07 J** | **0.058 J** | **0.035 J** |
| Anthracene | 50 | **0.16 J** | **0.18 J** | **0.074 J** | **0.063 J** | **0.043 J** | **0.066 J** | **0.083 J** | **0.056 J** | **0.059 J** |
| Benzo[g,h,i]perylene | 50 | **1** | **0.33 J** | **0.22 J** | **0.21 J** | **0.14 J** | **0.17 J** | **0.16 J** | **0.14 J** | **0.12 J** |
| Fluoranthene | 50 | **1.2** | **0.8** | **0.45 J** | **0.33 J** | **0.24 J** | **0.35 J** | **0.4 J** | **0.32 J** | **0.32 J** |
| Fluorene | 50 | 0.87 U | **0.065 J** | 0.76 U | 0.95 U | 0.92 U | 0.78 U | 0.76 U | 0.78 U | 0.81 U |
| Phenanthrene | 50 | **0.45 J** | **0.77** | **0.26 J** | **0.13 J** | **0.13 J** | **0.17 J** | **0.21 J** | **0.15 J** | **0.18 J** |
| Pyrene | 50 | **0.91** | **0.7** | **0.35 J** | **0.27 J** | **0.19 J** | **0.28 J** | **0.33 J** | **0.24 J** | **0.25 J** |
| Benz[a]anthracene | 0.224 | **0.38 J** | **0.38 J** | **0.22 J** | **0.18 J** | **0.13 J** | **0.2 J** | **0.22 J** | **0.18 J** | **0.17 J** |
| Benzo[a]pyrene | 0.061 | **0.57 J** | **0.33 J** | **0.21 J** | **0.19 J** | **0.12 J** | **0.19 J** | **0.2 J** | **0.18 J** | **0.16 J** |
| Benzo[b]fluoranthene | 1.1 | **0.75 J** | **0.24 J** | **0.17 J** | **0.19 J** | **0.12 J** | **0.16 J** | **0.16 J** | **0.15 J** | **0.14 J** |
| Benzo[k]fluoranthene | 1.1 | **0.73 J** | **0.29 J** | **0.2 J** | **0.17 J** | 0.92 U | **0.15 J** | **0.16 J** | **0.14 J** | **0.13 J** |
| Chrysene | 0.4 | **0.84 J** | **0.42 J** | **0.27 J** | **0.24 J** | **0.16 J** | **0.23 J** | **0.24 J** | **0.2 J** | **0.19 J** |
| Dibenz[a,h]anthracene | 0.014 | **0.24 J** | **0.12 J** | **0.079 J** | **0.068 J** | ***0.92 U*** | **0.061 J** | **0.054 J** | **0.051 J** | ***0.81 U*** |
| Indeno[1,2,3-cd]pyrene | 3.2 | **0.82 J** | **0.29 J** | **0.2 J** | **0.19 J** | **0.11 J** | **0.15 J** | **0.14 J** | **0.13 J** | **0.11 J** |
| Bis(2-ethylhexyl)phthalate | 50 | **0.95** | 0.7 U | 0.76 U | 0.95 U | 0.92 U | 0.78 U | 0.76 U | 0.78 U | 0.81 U |
| Butyl benzyl phthalate | 50 | **0.054 J** | **0.048 J** | **0.093 J** | 0.95 U | 0.92 U | 0.78 U | 0.76 U | 0.78 U | **0.061 J** |
| Carbazole | NE | **0.15 J** | **0.082 J** | 0.76 U | 0.95 U | 0.92 U | 0.78 U | 0.76 U | 0.78 U | 0.81 U |
| Dibenzofuran | 6.2 | 0.87 U | **0.054 J** | 0.76 U | 0.95 U | 0.92 U | 0.78 U | 0.76 U | 0.78 U | 0.81 U |
| Total SVOCs | 500 | **9.614** | **5.26** | **2.853** | **2.351** | **1.424** | **2.24** | **2.427** | **1.995** | **1.925** |
| ***PCBs (mg/kg)*** | | | | | | | | | | |
| Aroclor 1248 | 1 | **0.091 J** | **2.3** | **1.7** | **0.076** | **2.3** | **0.24** | **0.024 J** | 0.02 U | **1.6** |
| Aroclor 1260 | 1 | **0.0069 J** | 0.37 U | 0.4 U | 0.025 U | 0.47 U | **0.019 J** | 0.02 U | 0.02 U | 0.42 U |

**Table 9**
**Surface-Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/Depth (ft)/Date | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | KS-SS-1 0-2 inches 1/8/2004 | KS-SS-2 0-2 inches 1/8/2004 | KS-SS-3 0-2 inches 1/8/2004 | KS-SS-4 0-2 inches 1/8/2004 | KS-SS-5 0-2 inches 1/8/2004 | KS-SS-6 0-2 inches 1/8/2004 | KS-SS-7 0-2 inches 1/8/2004 | KS-SS-8 0-2 inches 1/8/2004 | KS-SS-9 0-2 inches 1/8/2004 |
| ***Inorganics (mg/kg)*** | | | | | | | | | | |
| Aluminum | SB | **4340** | **7990** | **5600** | **6820** | **6660** | **9120** | **7570** | **6850** | **7960** |
| Arsenic | 7.5 or SB | **3.4** | **11.3** | **6.2** | **6.8** | **7.9** | **8.5** | **7.4** | **7.2** | **9** |
| Barium | 300 or SB | **31.7** | **38** | **26.8** | **42.7** | **41.5** | **53.1** | **40.7** | **36.7** | **33.9** |
| Calcium | SB | **1950 J** | **5400 J** | **1950 J** | **3470 J** | **5130 J** | **7440 J** | **11200 J** | **30700 J** | **2100 J** |
| Chromium | 10 or SB | **12.2** | **16.3** | **11.3** | **15.2** | **14.8** | **16.3** | **12.2** | **11.5** | **16.4** |
| Cobalt | 30 or SB | **4.1** | **4.1** | **2.6** | **4.2** | **3.3** | **5.1** | **5.1** | **3.7** | **3.9** |
| Copper | 25 or SB | **19.4 J** | **19.8 J** | **16.7 J** | **24.2 J** | **19.2 J** | **19.2 J** | **40.4 J** | **16.3 J** | **18.1 J** |
| Iron | 2000 or SB | **9050** | **12100** | **8270** | **11900** | **9940** | **13000** | **13000** | **10000** | **11400** |
| Lead | SB | **27.2** | **45.8** | **33.6** | **45.2** | **33.1** | **59** | **55.2** | **47.3** | **44** |
| Magnesium | SB | **922** | **2380** | **1240** | **1880** | **2420** | **3790** | **5880** | **10000** | **1430** |
| Manganese | SB | **104 J** | **173 J** | **120 J** | **185 J** | **144 J** | **287 J** | **211 J** | **187 J** | **177 J** |
| Mercury | 0.1 | 0.059 U | **0.089** | **0.13** | **0.099** | **0.09** | **0.13** | **0.13** | **0.13** | **0.12** |
| Nickel | 13 or SB | **29 J** | **57.3 J** | 7.4 UJ | **71.9 J** | **98.8 J** | **83.3 J** | **35.7 J** | ***14.8 UJ*** | 10.5 UJ |
| Potassium | SB | **416 J** | **439 J** | **332 J** | **582 J** | **490 J** | **571 J** | **493 J** | **549 J** | **425 J** |
| Silver | SB | 0.5 U | **0.54** | **0.44** | 0.5 U | 0.5 U | **0.56** | **0.57** | 0.44 U | **0.6** |
| Sodium | SB | **55.2** | **112** | **42.3** | **51.8** | **113** | **83.9** | **166** | **81.4** | **40.1** |
| Vanadium | 150 or SB | **15.7** | **20.3** | **14.6** | **20** | **17.2** | **21.9** | **24** | **17.2** | **19.7** |
| Zinc | 20 or SB | **97.4 J** | **63.5 J** | R | **87.7 J** | **62.3 J** | **67 J** | **298 J** | **56.1 J** | **52.2 J** |

**Notes:**

NYSDEC - New York State Department of Environmental Conservation
TAGM - Technical and Administrative Guidance Memorandum
mg/kg is milligrams per kilogram
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
PCBs - Polychlorinated Biphenyls
J - estimated value
U - not detected to the reporting limit shown (for organic analyses)
and the method detection limit shown (for inorganic analyses)
UJ - not detected to the limit shown, the limit shown is estimated
R - rejected value
ND - Total concentration is listed as ND because no compounds were detected.
NE - Cleanup objective not established
Blue - Compound Detected in sample
Red - Concentration exceeds NYSDEC-recommended cleanup objective
SB - Site Background

Bold and italicized results indicate that the limit shown for a non-detect result was greater than the applicable soil cleanup objective.

**Table 10**
**Subsurface-Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/(ft. below grade)/Sample Date | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | KS-B-1 (3-4) 2/2/2004 | KS-B1 (26-28) 2/4/2004 | KS-B1 (30-32) 2/5/2004 | KS-B-2 (3-4) 2/2/2004 | KS-B-2 (21-23) 2/3/2004 | KS-B-2 (38-40) 2/4/2004 | KS-B-3 (2-4) 1/13/2004 | KS-B-3 (6-7) 1/30/2004 | KS-B-3 (9-10) 1/30/2004 |
| ***VOCs (mg/kg)*** | | | | | | | | | | |
| Benzene | 0.06 | 0.006 U | **0.014 J** | **0.002 J** | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Ethylbenzene | 5.5 | **0.002 J** | **0.002 J** | 0.006 U | **0.003 J** | **0.002 J** | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Toluene | 1.5 | **0.001 J** | **0.011 J** | 0.006 U | **0.002 J** | **0.002 J** | 0.006 U | **0.0006 J** | 0.006 U | 0.006 U |
| Xylene, Total | 1.2 | **0.007** | **0.008 J** | 0.006 U | **0.011** | **0.008** | **0.002 J** | 0.006 U | 0.006 U | 0.006 U |
| Acetone | 0.2 | 0.012 UJ | **0.013 J** | **0.013 J** | **0.014 J** | **0.056 J** | **0.007 J** | 0.011 UJ | **0.009 J** | **0.016 J** |
| Butanone,2- (MEK) | 0.3 | 0.012 U | 0.012 U | 0.012 U | 0.011 U | **0.012** | 0.011 U | 0.011 U | 0.012 U | 0.012 U |
| Carbon disulfide | 2.7 | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | **0.0007 J** | 0.006 U | **0.0007 J** |
| Methylene chloride | 0.1 | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | **0.002 J** | **0.002 J** |
| Styrene | NE | 0.006 U | **0.002 J** | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Total VOCs | 10 | **0.01** | **0.05** | **0.015** | **0.03** | **0.08** | **0.009** | **0.0013** | **0.011** | **0.0187** |
| ***SVOCs (mg/kg)*** | | | | | | | | | | |
| Acenaphthene | 50 | 0.38 U | **0.024 J** | 0.38 U | 0.36 U | **0.066 J** | 0.35 U | **3.3 J** | 0.77 U | **0.025 J** |
| Acenaphthylene | 41 | 0.38 U | **0.023 J** | 0.38 U | 0.36 U | **0.088 J** | 0.35 U | **0.21 J** | **0.15 J** | 0.37 U |
| Anthracene | 50 | 0.38 U | **0.033 J** | 0.38 U | 0.36 U | **0.13 J** | 0.35 U | **6.7 J** | **0.085 J** | **0.056 J** |
| Benzo[g,h,i]perylene | 50 | 0.38 UJ | **0.056 J** | 0.38 U | 0.36 UJ | **0.31 J** | 0.35 U | **3.2 J** | **0.17 J** | **0.065 J** |
| Fluoranthene | 50 | 0.38 U | **0.12 J** | **0.046 J** | 0.36 U | **0.57** | 0.35 U | **22 J** | **0.46 J** | **0.27 J** |
| Fluorene | 50 | 0.38 U | 0.39 U | 0.38 U | 0.36 U | **0.058 J** | 0.35 U | **3.1 J** | 0.77 U | 0.37 U |
| Methylnaphthalene,2- | 36.4 | 0.38 U | 0.39 U | 0.38 U | 0.36 U | **0.051 J** | 0.35 U | **1.2 J** | 0.77 U | 0.37 U |
| Naphthalene | 13 | 0.38 U | 0.39 U | 0.38 U | 0.36 U | 0.38 U | 0.35 U | **3 J** | 0.77 U | 0.37 U |
| Phenanthrene | 50 | 0.38 U | **0.1 J** | 0.38 U | **0.029 J** | **0.43** | 0.35 U | **29 J** | **0.18 J** | **0.17 J** |
| Pyrene | 50 | 0.38 UJ | **0.15 J** | **0.063 J** | 0.36 UJ | **0.73** | 0.35 U | **18 J** | **0.37 J** | **0.23 J** |
| Benz[a]anthracene | 0.224 | ***0.38 U*** | **0.064 J** | **0.019 J** | ***0.36 U*** | **0.33 J** | ***0.35 U*** | **8.7 J** | **0.24 J** | **0.14 J** |
| Benzo[a]pyrene | 0.061 | ***0.38 U*** | **0.056 J** | ***0.38 U*** | ***0.36 U*** | **0.3 J** | ***0.35 U*** | **6.4 J** | **0.26 J** | **0.13 J** |
| Benzo[b]fluoranthene | 1.1 | 0.38 U | **0.054 J** | 0.38 U | 0.36 U | **0.25 J** | 0.35 U | **5.2 J** | **0.22 J** | **0.098 J** |
| Benzo[k]fluoranthene | 1.1 | 0.38 U | **0.05 J** | 0.38 U | 0.36 U | **0.28 J** | 0.35 U | **5.9 J** | **0.25 J** | **0.12 J** |
| Chrysene | 0.4 | 0.38 U | **0.067 J** | 0.38 U | 0.36 U | **0.36 J** | 0.35 U | **7.9 J** | **0.29 J** | **0.13 J** |
| Dibenz[a,h]anthracene | 0.014 | ***0.38 UJ*** | ***0.39 U*** | ***0.38 UJ*** | ***0.36 UJ*** | **0.093 J** | ***0.35 U*** | **1.8 J** | **0.069 J** | **0.032 J** |
| Indeno[1,2,3-cd]pyrene | 3.2 | 0.38 UJ | 0.39 U | 0.38 UJ | 0.36 UJ | **0.26 J** | 0.35 U | **3.1 J** | **0.15 J** | **0.064 J** |
| Bis(2-ethylhexyl)phthalate | 50 | **0.091 J** | **0.47** | **0.16 J** | **0.11 J** | **0.25 J** | 0.35 U | 5.9 U | 0.77 U | **0.048 J** |
| Butyl benzyl phthalate | 50 | 0.38 UJ | **0.12 J** | **0.038 J** | **0.014 J** | **0.05 J** | 0.35 U | 5.9 U | 0.77 U | 0.37 U |
| Carbazole | NE | 0.38 U | 0.39 U | 0.38 U | 0.36 U | **0.066 J** | 0.35 U | **2.5 J** | 0.77 U | 0.37 U |
| Dibenzofuran | 6.2 | 0.38 U | 0.39 U | 0.38 U | 0.36 U | **0.028 J** | 0.35 U | **2.3 J** | 0.77 U | 0.37 U |
| Di-n-butyl phthalate | 8.1 | **0.075 J** | **0.018 J** | 0.38 U | **0.093 J** | **0.025 J** | **0.019 J** | 5.9 U | 0.77 U | 0.37 U |
| Di-n-octyl phthalate | 50 | 0.38 U | 0.39 U | 0.38 U | 0.36 U | 0.38 U | 0.35 U | 5.9 U | 0.77 U | 0.37 U |
| Methylphenol, 4- | 0.9 | 0.38 U | 0.39 U | 0.38 U | 0.36 U | **0.044 J** | 0.35 U | ***5.9 U*** | 0.77 U | 0.37 U |
| Nitroaniline,4- | NE | 0.76 UJ | 0.78 U | 0.75 UJ | 0.72 UJ | 0.77 U | 0.7 U | 12 U | 1.5 U | 0.75 U |
| Total SVOCs | 500 | **0.166** | **1.405** | **0.326** | **0.246** | **4.769** | **0.019** | **133.51** | **2.894** | **1.578** |

**Table 10 (continued)**
**Subsurface-Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/(ft. below grade)/Sample Date | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | KS-B-1 (3-4) 2/2/2004 | KS-B1 (26-28) 2/4/2004 | KS-B1 (30-32) 2/5/2004 | KS-B-2 (3-4) 2/2/2004 | KS-B-2 (21-23) 2/3/2004 | KS-B-2 (38-40) 2/4/2004 | KS-B-3 (2-4) 1/13/2004 | KS-B-3 (6-7) 1/30/2004 | KS-B-3 (9-10) 1/30/2004 |
| ***PCBs (mg/kg)*** | | | | | | | | | | |
| Aroclor 1248 | 10 | 0.02 UJ | 0.02 U | 0.02 U | 0.019 U | 0.02 U | 0.019 U | 0.019 U | 0.02 U | 0.02 U |
| Aroclor 1254 | 10 | 0.02 UJ | 0.02 U | 0.02 U | **0.014 J** | **0.087** | 0.019 U | **0.0097 J** | **0.011 J** | 0.02 U |
| Aroclor 1260 | 10 | **0.014 J** | 0.02 U | 0.02 U | **0.0084 J** | **0.011 J** | 0.019 U | 0.019 U | 0.02 U | 0.02 U |
| ***Inorganics (mg/Kg)*** | | | | | | | | | | |
| Cyanide, Total | NE | 0.125 UJ | 0.0641 UJ | 0.0708 UJ | 0.0589 UJ | 0.0655 UJ | 0.187 UJ | 0.0588 UJ | 0.0628 UJ | 0.0617 UJ |
| Aluminum | SB | **10800** | **6740** | **8150** | **9340** | **7810** | **24200** | **12500** | **15200** | **4980** |
| Antimony | SB | 1.5 UJ | 1.6 UJ | 1.5 UJ | 1.4 UJ | 1.6 UJ | 1.5 UJ | 1.6 UJ | 1.5 UJ | 1.6 UJ |
| Arsenic | 7.5 or SB | **2.3** | 1.7 U | 1.6 U | **2.6** | **3.7** | 1.6 U | **3.1** | **3.8** | 1.7 U |
| Barium | 300 or SB | **220** | **65.6** | **55.6** | **105** | **182** | **161** | **129** | **147** | **93.6** |
| Beryllium | 0.16 or SB | ***0.68 U*** | ***0.69 U*** | ***0.67 U*** | ***0.63 U*** | ***0.7 U*** | ***0.66 U*** | ***0.69 U*** | ***0.66 U*** | ***0.71 U*** |
| Cadmium | 1 or SB | ***1.4 U*** | ***1.4 U*** | ***1.3 U*** | ***1.3 U*** | ***1.4 U*** | ***1.3 UJ*** | ***1.4 U*** | ***1.3 U*** | ***1.4 U*** |
| Calcium | SB | **13200** | **6320** | **1890** | **19900** | **20500** | **8570** | **6630** | **9460** | **2640** |
| Chromium | 10 or SB | **27.5** | **20.4** | **17.4** | **22.2** | **21** | **5.8** | **29.2** | **52.1** | **20.5** |
| Cobalt | 30 or SB | **9.1** | **6.1** | **8** | **8.7** | **6.3** | **30.2** | **10.7** | **11.1** | **7.1** |
| Copper | 25 or SB | **37.5** | **22.4** | **21.7** | **30.9** | **29.2** | **19.4** | **90.8** | **129** | **66.9** |
| Iron | 2000 or SB | **18400** | **14300** | **18100** | **16300** | **15500** | **62100** | **26400** | **26100** | **10600** |
| Lead | SB | **67** | **7.7** | **10.4** | **63.6** | **90.6** | **3.3** | **130** | **381** | **11.6** |
| Magnesium | SB | **5900** | **6170** | **4850** | **10100** | **8790** | **15900** | **7320** | **9140** | **3980** |
| Manganese | SB | **307** | **242** | **244** | **319** | **222** | **673** | **309 J** | **341** | **96.8** |
| Mercury | 0.1 | **0.11** | **0.065** | 0.051 U | **0.064** | **0.16** | 0.053 U | **0.23** | **0.15** | 0.056 U |
| Nickel | 13 or SB | **20.7** | **35.8** | **28.5** | **24.7** | **17** | **14.3** | **23.6** | 31.8 U | 16 U |
| Potassium | SB | **3220 J** | **1660 J** | **1120 J** | **2300 J** | **1070 J** | **3410 J** | **2490 J** | **1860 J** | **1260 J** |
| Sodium | SB | **412 J** | **293 J** | **238 J** | **539 J** | **362 J** | **774 J** | **245** | **178 J** | **189 J** |
| Thallium | SB | 2.7 U | 2.7 U | 2.7 U | 2.5 U | 2.8 U | **4.2** | 4.1 U | 2.6 U | 2.8 U |
| Vanadium | 150 or SB | **35.4** | **25.5** | **22.2** | **27.5** | **24.6** | **189** | **49.9** | **47.5** | **21.5** |
| Zinc | 20 or SB | **144** | **39.7** | **50.8** | **87.5** | **179** | **152** | **110** | **170** | **25.1** |

**Table 10 (continued)**
**Subsurface Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/(ft. below grade)/Sample Date | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | KS-B-4 (3-4) 1/13/2004 | KS-B-4 (9-11) 1/27/2004 | KS-B-4 (15-17) 1/27/2004 | KS-B-4 (22-24) 1/29/2004 | KS-B-5 (3-5) 1/13/2004 | KS-B-5 (8-10) 1/19/2004 | KS-B-5A (12-14) 1/21/2004 | KS-B-5 (14-16) 1/19/2004 |
| ***VOCs (mg/kg)*** | | | | | | | | | |
| Benzene | 0.06 | 0.006 U | 0.006 U | 0.013 U | 0.005 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Ethylbenzene | 5.5 | 0.006 U | 0.006 U | 0.013 U | 0.005 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Toluene | 1.5 | 0.006 U | 0.006 U | 0.013 U | 0.005 U | 0.006 U | 0.006 U | 0.006 U | **0.0007 J** |
| Xylene, Total | 1.2 | 0.006 U | 0.006 U | 0.013 U | 0.005 U | 0.006 U | 0.006 U | **0.003 J** | **0.002 J** |
| Acetone | 0.2 | **0.019 J** | **0.01 J** | 0.026 UJ | 0.011 UJ | **0.038 J** | **0.013 J** | 0.012 UJ | **0.007 J** |
| Butanone,2- (MEK) | 0.3 | 0.012 U | **0.014** | 0.026 U | 0.011 U | **0.005 J** | 0.012 U | 0.012 U | 0.012 U |
| Carbon disulfide | 2.7 | 0.006 U | **0.0009 J** | **0.002 J** | 0.005 U | **0.002 J** | **0.002 J** | 0.006 UJ | **0.002 J** |
| Methylene chloride | 0.1 | 0.006 U | **0.002 J** | **0.003 J** | **0.001 J** | 0.006 U | 0.006 U | **0.003 J** | 0.006 U |
| Styrene | NE | 0.006 U | 0.006 U | 0.013 U | 0.005 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Total VOCs | 10 | **0.019** | **0.0269** | **0.005** | **0.001** | **0.045** | **0.015** | **0.006** | **0.0117** |
| ***SVOCs (mg/kg)*** | | | | | | | | | |
| Acenaphthene | 50 | **0.38 J** | **3.7 J** | **3.1 J** | 0.35 U | **0.09 J** | **1.1 J** | **0.27 J** | **0.19 J** |
| Acenaphthylene | 41 | **0.25 J** | **0.29 J** | **0.41 J** | 0.35 U | **0.2 J** | **1.6 J** | **0.37 J** | **0.35 J** |
| Anthracene | 50 | **0.83** | **7.2** | **8.5** | 0.35 U | **0.36 J** | **5.1 J** | **0.8** | **0.7 J** |
| Benzo[g,h,i]perylene | 50 | **1** | **3 J** | **3.1 J** | 0.35 U | **0.25 J** | **5.9 J** | **0.32 J** | **0.95** |
| Fluoranthene | 50 | **3.2** | **23** | **24** | 0.35 U | **1.5 J** | **31** | **3.7** | **4.4** |
| Fluorene | 50 | **0.58 J** | **4.1** | **3.9 J** | 0.35 U | **0.22 J** | **3.1 J** | **0.82** | **0.54 J** |
| Methylnaphthalene,2- | 36.4 | **0.1 J** | **1.5 J** | **1.3 J** | 0.35 U | 1.5 U | 6.3 U | **3.4 J** | **0.52 J** |
| Naphthalene | 13 | **0.29 J** | **5.9** | **5.7** | 0.35 U | 1.5 U | **0.74 J** | **1.8 J** | **0.72 J** |
| Phenanthrene | 50 | **3.1** | **22** | **24** | 0.35 U | **0.69 J** | **24** | **3.8** | **3.5** |
| Pyrene | 50 | **3** | **17** | **19** | 0.35 U | **1.3 J** | **28** | **3.4** | **3.4** |
| Benz[a]anthracene | 0.224 | **1.4** | **11** | **12** | ***0.35 U*** | **0.77 J** | **14** | **1.6** | **1.7** |
| Benzo[a]pyrene | 0.061 | **1.1** | **9.8** | **10** | ***0.35 U*** | **0.81 J** | **11** | **1.3** | **1.6** |
| Benzo[b]fluoranthene | 1.1 | **0.91** | **7.8** | **8** | 0.35 U | **0.91 J** | **11** | **0.99** | **1.4** |
| Benzo[k]fluoranthene | 1.1 | **0.98** | **7.5** | **8.1** | 0.35 U | **0.78 J** | **9.1 J** | **1.3** | **1.5 J** |
| Chrysene | 0.4 | **1.5** | **10** | **11** | 0.35 U | **0.8 J** | **14** | **1.6** | **1.8** |
| Dibenz[a,h]anthracene | 0.014 | **0.35 J** | **1.4 J** | **1.5 J** | ***0.35 U*** | **0.14 J** | **3.5 J** | **0.16 J** | **0.44 J** |
| Indeno[1,2,3-cd]pyrene | 3.2 | **0.85** | **3.8 J** | **3.7 J** | 0.35 U | **0.28 J** | **5.7 J** | **0.4 J** | **0.9** |
| Bis(2-ethylhexyl)phthalate | 50 | **0.39 J** | 3.9 U | 4.3 U | 0.35 U | 1.5 U | 6.3 U | 0.79 U | **0.17 J** |
| Butyl benzyl phthalate | 50 | 0.77 U | 3.9 U | 4.3 U | 0.35 U | 1.5 U | 6.3 U | 0.79 U | 0.78 U |
| Carbazole | NE | **0.31 J** | **2.9 J** | **2.3 J** | 0.35 U | 1.5 U | **1.2 J** | **0.63 J** | **0.3 J** |
| Dibenzofuran | 6.2 | **0.35 J** | **2.3 J** | **2.2 J** | 0.35 U | **0.13 J** | **1.3 J** | **0.56 J** | **0.35 J** |
| Di-n-butyl phthalate | 8.1 | 0.77 U | 3.9 U | 4.3 U | 0.35 U | 1.5 U | 6.3 U | **0.072 J** | 0.78 U |
| Di-n-octyl phthalate | 50 | 0.77 U | 3.9 U | 4.3 U | 0.35 U | 1.5 U | 6.3 U | 0.79 U | 0.78 U |
| Methylphenol, 4- | 0.9 | 0.77 U | ***3.9 U*** | ***4.3 U*** | 0.35 U | ***1.5 U*** | ***6.3 U*** | 0.79 U | 0.78 U |
| Nitroaniline,4- | NE | 1.5 U | 7.8 U | 8.5 U | 0.7 U | 3.1 U | 13 U | 1.6 U | 1.6 U |
| Total SVOCs | 500 | **20.87** | **144.19** | **151.81** | ND | **9.23** | **171.34** | **27.292** | **25.43** |

**Table 10 (continued)**
**Subsurface Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/(ft. below grade)/Sample Date | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | KS-B-4 (3-4) 1/13/2004 | KS-B-4 (9-11) 1/27/2004 | KS-B-4 (15-17) 1/27/2004 | KS-B-4 (22-24) 1/29/2004 | KS-B-5 (3-5) 1/13/2004 | KS-B-5 (8-10) 1/19/2004 | KS-B-5A (12-14) 1/21/2004 | KS-B-5 (14-16) 1/19/2004 |
| ***PCBs (mg/kg)*** | | | | | | | | | |
| Aroclor 1248 | 10 | 0.02 U | 0.02 U | 0.022 U | 0.018 U | 0.02 U | **0.011 J** | 0.02 U | 0.021 U |
| Aroclor 1254 | 10 | **0.11 NJ** | 0.02 U | 0.022 U | 0.018 U | **0.021 NJ** | 0.021 U | 0.02 U | 0.021 U |
| Aroclor 1260 | 10 | **0.025** | 0.02 U | **0.017 J** | 0.018 U | **0.0074 J** | **0.012 J** | **0.011 J** | 0.021 U |
| ***Inorganics (mg/Kg)*** | | | | | | | | | |
| Cyanide, Total | NE | 0.063 UJ | 0.0644 UJ | **0.183 J** | 0.057 UJ | 0.0848 UJ | **0.0659 UJ** | 0.0643 UJ | **1.55 J** |
| Aluminum | SB | **7750** | **8040** | **6980** | **5030** | **10100** | **9770** | **5230** | **8090** |
| Antimony | SB | 1.7 UJ | 1.8 UJ | 1.9 UJ | 1.5 UJ | 1.7 UJ | **3.6 J** | 1.6 UJ | 1.8 UJ |
| Arsenic | 7.5 or SB | **21.5** | **4.1** | **3.3** | 1.6 U | **5.4** | **4.7** | **3.7** | **4.5** |
| Barium | 300 or SB | **136** | **247** | **122** | **45.7** | **123** | **115** | **81.2** | **179** |
| Beryllium | 0.16 or SB | ***0.69 U*** | ***0.75 U*** | ***0.78 U*** | ***0.65 U*** | ***0.7 U*** | ***0.69 U*** | ***0.65 U*** | ***0.75 U*** |
| Cadmium | 1 or SB | ***1.4 U*** | ***1.5 U*** | ***1.6 U*** | ***1.3 U*** | ***1.4 U*** | ***1.4 U*** | ***1.3 U*** | ***1.5 U*** |
| Calcium | SB | **34700 J** | **89100** | **84700** | **87000** | **9260** | **44200** | **90600** | **22500** |
| Chromium | 10 or SB | **17.7** | **12.7** | **23.1** | **12.2** | **20.9** | **17.2** | **33.6** | **17.8** |
| Cobalt | 30 or SB | **5.9** | **4.6** | **3.4** | **5.5** | **8.2** | **4.2** | **5.1 J** | **6.3** |
| Copper | 25 or SB | **73.8 J** | **25.5** | **14.9** | **12.6** | **283** | **27.3** | **738** | **33.6** |
| Iron | 2000 or SB | **14600** | **8690** | **8820** | **8070** | **19000** | **11600** | **11100** | **14700** |
| Lead | SB | **52.7** | **337** | **213** | **2.1** | **195** | **155** | **39** | **175** |
| Magnesium | SB | **8380** | **18400** | **21900** | **50900** | **6630** | **6560** | **42100** | **5610** |
| Manganese | SB | **213 J** | **159** | **174** | **162** | **697 J** | **223 J** | **244 J** | **268 J** |
| Mercury | 0.1 | **0.13** | **0.084** | 0.058 U | 0.046 U | **0.081** | **0.069** | 0.055 U | **0.16** |
| Nickel | 13 or SB | 14 UJ | 10.9 U | 8.4 U | 12.5 U | **20** | **12.5** | **16.9** | **15.3** |
| Potassium | SB | **1940 J** | **1580 J** | **1170 J** | **1780 J** | **1470 J** | **1350 J** | **1620 J** | **1860 J** |
| Sodium | SB | **173** | **295 J** | **443 J** | **189 J** | 163 U | **868** | **296** | **309** |
| Thallium | SB | 4.2 U | 4.5 U | 4.7 U | 2.6 U | 4.2 U | 4.2 U | 3.9 U | 4.5 U |
| Vanadium | 150 or SB | **28.4** | **23.1** | **19.9** | **14** | **25.9** | **23.6** | **22** | **21.9** |
| Zinc | 20 or SB | **104 J** | **222** | **193** | **31.1** | **810** | **180** | **786** | **227** |

**Table 10 (continued)**
**Subsurface Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/(ft. below grade)/Sample Date | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | KS-B-6 (2-5) 1/13/2004 | KS-B-6A (10-12) 1/21/2004 | KS-B-6A (24-26) 1/21/2004 | KS-B-7 (3-5) 1/13/2004 | KS-B-7 (16.5-18) 1/16/2004 | KS-B-7 (48-49) 1/16/2004 | KS-B-8 (3-5) 1/13/2004 | KS-B-8 (12-14) 1/14/2004 | KS-B-8 (30-32) 1/14/2004 | KS-B-9 (5-7) 1/30/2004 | KS-B-9 (14-15) 1/30/2004 |
| ***VOCs (mg/kg)*** | | | | | | | | | | | | |
| Benzene | 0.06 | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Ethylbenzene | 5.5 | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Toluene | 1.5 | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Xylene, Total | 1.2 | 0.006 U | **0.003 J** | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Acetone | 0.2 | **0.067 J** | **0.032 J** | 0.011 UJ | 0.011 UJ | **0.019 J** | 0.011 UJ | **0.028 J** | 0.012 UJ | 0.012 UJ | **0.013 J** | **0.007 J** |
| Butanone,2- (MEK) | 0.3 | **0.016** | **0.006 J** | 0.011 U | 0.011 U | **0.006 J** | 0.011 U | 0.011 U | 0.012 U | 0.012 U | 0.012 U | 0.012 U |
| Carbon disulfide | 2.7 | 0.006 U | 0.006 UJ | 0.006 UJ | 0.006 U | **0.001 J** | **0.001 J** | 0.006 U | 0.006 U | 0.006 U | **0.001 J** | **0.001 J** |
| Methylene chloride | 0.1 | 0.006 U | **0.005 J** | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | **0.003 J** | **0.002 J** |
| Styrene | NE | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Total VOCs | 10 | **0.083** | **0.046** | ND | ND | **0.026** | **0.001** | **0.028** | ND | **0.002** | **0.017** | **0.01** |
| ***SVOCs (mg/kg)*** | | | | | | | | | | | | |
| Acenaphthene | 50 | **0.22 J** | **0.026 J** | 0.36 U | **0.051 J** | 0.41 U | **0.026 J** | **0.065 J** | 0.38 U | 0.4 U | 0.4 U | 0.4 U |
| Acenaphthylene | 41 | **0.62** | **0.014 J** | 0.36 U | **0.51 J** | **0.018 J** | **0.062 J** | **0.18 J** | 0.38 U | 0.4 U | **0.023 J** | 0.4 U |
| Anthracene | 50 | **0.77** | **0.047 J** | 0.36 U | **0.57 J** | **0.028 J** | **0.093 J** | **0.26 J** | 0.38 U | 0.4 U | **0.025 J** | 0.4 U |
| Benzo[g,h,i]perylene | 50 | **1** | **0.066 J** | 0.36 U | **1** | 0.41 U | 0.37 U | **0.39** | 0.38 U | 0.4 U | **0.047 J** | 0.4 U |
| Fluoranthene | 50 | **2.7** | **0.2 J** | 0.36 U | **2.8** | **0.1 J** | **0.15 J** | **0.99** | 0.38 U | 0.4 U | **0.13 J** | 0.4 U |
| Fluorene | 50 | **0.31 J** | **0.047 J** | 0.36 U | **0.15 J** | 0.41 U | **0.075 J** | **0.088 J** | 0.38 U | 0.4 U | 0.4 U | 0.4 U |
| Methylnaphthalene,2- | 36.4 | **0.09 J** | **0.42** | 0.36 U | 0.73 U | **0.18 J** | 0.37 U | **0.04 J** | 0.38 U | 0.4 U | 0.4 U | 0.4 U |
| Naphthalene | 13 | **0.21 J** | **0.17 J** | 0.36 U | 0.73 U | **0.063 J** | 0.37 U | **0.063 J** | 0.38 U | 0.4 U | 0.4 U | 0.4 U |
| Phenanthrene | 50 | **1.2** | **0.17 J** | 0.36 U | **1.5** | **0.09 J** | **0.4** | **0.52** | 0.38 U | 0.4 U | **0.064 J** | 0.4 U |
| Pyrene | 50 | **2** | **0.18 J** | 0.36 U | **2.7 J** | **0.093 J** | **0.21 J** | **0.77** | 0.38 U | 0.4 U | **0.13 J** | 0.4 U |
| Benz[a]anthracene | 0.224 | **1.4** | **0.1 J** | ***0.36 U*** | **1.8** | **0.055 J** | **0.08 J** | **0.5** | ***0.38 U*** | ***0.4 U*** | **0.078 J** | ***0.4 U*** |
| Benzo[a]pyrene | 0.061 | **1.3** | **0.1 J** | ***0.36 U*** | **1.3** | **0.051 J** | **0.053 J** | **0.46** | ***0.38 U*** | ***0.4 U*** | **0.07 J** | ***0.4 U*** |
| Benzo[b]fluoranthene | 1.1 | **0.87** | **0.084 J** | 0.36 U | **1** | **0.06 J** | **0.068 J** | **0.35 J** | 0.38 U | 0.4 UJ | **0.055 J** | 0.4 U |
| Benzo[k]fluoranthene | 1.1 | **0.99** | **0.1 J** | 0.36 U | **1.1** | **0.05 J** | 0.37 U | **0.33 J** | 0.38 U | 0.4 U | **0.068 J** | 0.4 U |
| Chrysene | 0.4 | **1.4** | **0.11 J** | 0.36 U | **1.7** | **0.06 J** | **0.089 J** | **0.52** | 0.38 U | 0.4 U | **0.08 J** | 0.4 U |
| Dibenz[a,h]anthracene | 0.014 | **0.37 J** | **0.029 J** | ***0.36 U*** | **0.39 J** | ***0.41 U*** | ***0.37 U*** | **0.15 J** | ***0.38 U*** | ***0.4 U*** | ***0.4 U*** | ***0.4 U*** |
| Indeno[1,2,3-cd]pyrene | 3.2 | **0.96** | **0.055 J** | 0.36 U | **0.93** | 0.41 U | 0.37 U | **0.36 J** | 0.38 U | 0.4 U | **0.041 J** | 0.4 U |
| Bis(2-ethylhexyl)phthalate | 50 | **0.077 J** | 0.37 U | 0.36 U | **0.16 J** | 0.41 U | **0.086 J** | **0.086 J** | **0.12 J** | **0.12 J** | **0.075 J** | 0.4 U |
| Butyl benzyl phthalate | 50 | 0.37 U | **0.066 J** | **0.019 J** | 0.73 U | 0.41 U | 0.37 U | 0.36 U | **0.016 J** | **0.036 J** | 0.4 U | 0.4 U |
| Carbazole | NE | **0.12 J** | 0.37 U | 0.36 U | **0.081 J** | 0.41 U | 0.37 U | **0.072 J** | 0.38 U | 0.4 U | 0.4 U | 0.4 U |
| Dibenzofuran | 6.2 | **0.24 J** | **0.027 J** | 0.36 U | **0.14 J** | 0.41 U | 0.37 U | **0.073 J** | 0.38 U | 0.4 U | 0.4 U | 0.4 U |
| Di-n-butyl phthalate | 8.1 | 0.37 U | 0.37 U | 0.36 U | 0.73 U | 0.41 U | 0.37 U | 0.36 U | 0.38 U | 0.4 U | 0.4 U | 0.4 U |
| Di-n-octyl phthalate | 50 | 0.37 U | **0.031 J** | 0.36 U | 0.73 U | 0.41 U | 0.37 U | 0.36 U | 0.38 U | 0.4 U | 0.4 U | 0.4 U |
| Methylphenol, 4- | 0.9 | 0.37 U | 0.37 U | 0.36 UJ | 0.73 U | 0.41 U | 0.37 U | 0.36 U | 0.38 U | 0.4 U | 0.4 U | 0.4 U |
| Nitroaniline,4- | NE | 0.73 U | 0.74 U | 0.73 U | 1.5 U | 0.81 U | 0.74 U | 0.72 U | 0.77 U | 0.8 U | 0.79 U | 0.81 U |
| Total SVOCs | 500 | **16.847** | **2.042** | **0.019** | **17.882** | **0.848** | **1.392** | **6.267** | **0.136** | **0.156** | **0.886** | ND |

**Table 10 (continued)**
**Subsurface Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/(ft. below grade)/Sample Date | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | KS-B-6 (2-5) 1/13/2004 | KS-B-6A (10-12) 1/21/2004 | KS-B-6A (24-26) 1/21/2004 | KS-B-7 (3-5) 1/13/2004 | KS-B-7 (16.5-18) 1/16/2004 | KS-B-7 (48-49) 1/16/2004 | KS-B-8 (3-5) 1/13/2004 | KS-B-8 (12-14) 1/14/2004 | KS-B-8 (30-32) 1/14/2004 | KS-B-9 (5-7) 1/30/2004 | KS-B-9 (14-15) 1/30/2004 |
| ***PCBs (mg/kg)*** | | | | | | | | | | | | |
| Aroclor 1248 | 10 | 0.019 U | 0.02 U | 0.019 U | 0.019 U | 0.021 U | 0.019 U | 0.019 U | 0.02 U | 0.021 U | 0.02 U | 0.021 U |
| Aroclor 1254 | 10 | 0.019 U | 0.02 U | 0.019 U | 0.019 U | 0.021 U | 0.019 U | 0.019 U | 0.02 U | 0.021 U | **0.011 J** | 0.021 U |
| Aroclor 1260 | 10 | 0.019 U | 0.02 U | 0.019 U | 0.019 U | 0.021 U | 0.019 U | 0.019 U | 0.02 U | 0.021 U | **0.0054 J** | 0.021 U |
| ***Inorganics (mg/Kg)*** | | | | | | | | | | | | |
| Cyanide, Total | NE | 0.0605 UJ | 0.062 UJ | 0.0584 UJ | 0.0595 UJ | R | 0.0614 UJ | 0.0603 UJ | 0.0964 UJ | 0.0631 UJ | 0.0641 UJ | 0.0653 UJ |
| Aluminum | SB | **13200** | **10700** | **3760** | **13900** | **9890** | **26200** | **12300** | **10800** | **9550** | **6740** | **4340** |
| Antimony | SB | 1.6 UJ | 1.7 UJ | 1.5 UJ | 1.6 UJ | 1.7 UJ | **1.7 J** | 1.5 UJ | 1.7 UJ | 1.7 UJ | 1.6 UJ | 1.6 UJ |
| Arsenic | 7.5 or SB | **3.6** | **2.2** | 1.3 U | **4.2** | **2.4** | **2.3** | **3.9** | **1.7** | **1.5** | **4** | **2.8** |
| Barium | 300 or SB | **157** | **135** | **40.4** | **130** | **78.3** | **487** | **113** | **125** | **80.5** | **60.7** | **49.9** |
| Beryllium | 0.16 or SB | ***0.66 U*** | ***0.73 U*** | ***0.64 U*** | ***0.68 U*** | ***0.71 U*** | **0.97** | ***0.64 U*** | ***0.73 U*** | ***0.72 U*** | ***0.72 U*** | ***0.72 U*** |
| Cadmium | 1 or SB | ***1.3 U*** | ***1.5 U*** | ***1.3 U*** | ***1.4 U*** | ***1.4 U*** | ***1.3 U*** | ***1.3 U*** | ***1.5 U*** | ***1.4 U*** | ***1.4 U*** | ***1.4 U*** |
| Calcium | SB | **5130 J** | **6560** | **61900** | **6640 J** | **4050** | **7310** | **19300 J** | **13200** | **23400** | **36500** | **15500** |
| Chromium | 10 or SB | **35.2** | **40.6** | **18.4** | **37.2** | **24.7** | **146** | **32.6** | **54.7** | **27.3** | **12.5** | **14.3** |
| Cobalt | 30 or SB | **10.7** | **12.4 J** | **5.6 J** | **12.1** | **7.4** | **43.7** | **10.6** | **8** | **8** | **4.9** | **6** |
| Copper | 25 or SB | **38.8 J** | **34** | **9.7** | **34.2 J** | **22.6** | **47.9** | **53.8 J** | **20.1** | **21** | **16.9** | **10.8** |
| Iron | 2000 or SB | **23900** | **20200** | **8080** | **26500** | **17200** | **57200** | **21700** | **19600** | **18900** | **10500** | **12300** |
| Lead | SB | **95.3** | **37.2** | **3.3** | **81.8 J** | **42.4** | **8.6** | **94.5** | **5.5** | **5.7** | **89.3** | **47.2** |
| Magnesium | SB | **7200** | **8330** | **35700** | **8850** | **5000** | **19700** | **10300** | **13500** | **15100** | **9770** | **9030** |
| Manganese | SB | **316 J** | **242 J** | **149 J** | **465 J** | **218 J** | **244 J** | **348 J** | **197 J** | **325 J** | **279** | **209** |
| Mercury | 0.1 | **0.3** | **0.082** | 0.047 U | **0.14** | 0.058 U | 0.056 U | **0.12** | 0.056 U | 0.058 U | 0.056 U | 0.055 U |
| Nickel | 13 or SB | **25.9 J** | **42.3** | **17.9** | **28.5 J** | **26.1** | **164** | **22.4 J** | **42.6** | **20.6** | 11 U | 18.8 U |
| Potassium | SB | **3150 J** | **3200 J** | **1170 J** | **2830 J** | **1630 J** | **10100** | **2730 J** | **4460** | **2850 J** | **1050 J** | **1160 J** |
| Sodium | SB | **224** | **264** | **253** | **184** | 188 U | **444** | **227** | **431** | **355** | **260 J** | **197 J** |
| Thallium | SB | 4 U | 4.4 U | 3.8 U | 4.1 U | 4.3 U | 3.8 U | 3.8 U | 4.4 U | 4.3 U | 2.9 U | 2.9 U |
| Vanadium | 150 or SB | **45.5** | **43** | **15.6** | **47.1** | **27.3** | **141** | **41.2** | **53.3** | **28.3** | **15.4** | **16.9** |
| Zinc | 20 or SB | **149 J** | **105** | **27.8** | **178 J** | **78** | **162** | **153 J** | **55** | **48** | **155** | **56.5** |

**Table 10 (continued)**
**Subsurface Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/(ft. below grade)/Sample Date | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | KS-MW-1 (3-4) 2/2/2004 | KS-MW1 (13-15) 2/5/2004 | KS-MW1 (22-24) 2/5/2004 | KS-MW1 (28-29) 2/5/2004 | KS-MW1 (31-32) 2/5/2004 | KS-MW-2 (12-14) 1/22/2004 | KS-MW-2 (16-18) 1/22/2004 |
| ***VOCs (mg/kg)*** | | | | | | | | |
| Benzene | 0.06 | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.007 U | **0.059** |
| Ethylbenzene | 5.5 | **0.005 J** | **0.0006 J** | **0.001 J** | **0.001 J** | **0.0008 J** | 0.007 U | **0.027 J** |
| Toluene | 1.5 | **0.001 J** | 0.006 U | **0.0009 J** | **0.001 J** | 0.006 U | 0.007 U | **0.11** |
| Xylene, Total | 1.2 | **0.016** | **0.003 J** | 0.03 U | **0.005 J** | **0.004 J** | 0.007 U | **0.27** |
| Acetone | 0.2 | 0.012 UJ | **0.009 J** | **0.006 J** | **0.012 J** | **0.009 J** | 0.013 UJ | 0.077 UJ |
| Butanone,2- (MEK) | 0.3 | 0.012 U | 0.011 U | 0.012 U | 0.012 U | 0.012 U | 0.013 U | 0.077 U |
| Carbon disulfide | 2.7 | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.007 UJ | **0.011 J** |
| Methylene chloride | 0.1 | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | **0.004 J** | 0.038 U |
| Styrene | NE | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.007 U | **0.056** |
| Total VOCs | 10 | **0.022** | **0.0126** | **0.0079** | **0.019** | **0.0138** | **0.004** | **0.533** |
| ***SVOCs (mg/kg)*** | | | | | | | | |
| Acenaphthene | 50 | **0.06 J** | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.091 J** | **2.2 J** |
| Acenaphthylene | 41 | **0.19 J** | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.032 J** | **0.48 J** |
| Anthracene | 50 | **0.18 J** | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.21 J** | **5.5** |
| Benzo[g,h,i]perylene | 50 | **0.5 J** | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.27 J** | **4.4 J** |
| Fluoranthene | 50 | **0.74 J** | 0.36 U | **0.045 J** | 0.39 U | 0.38 U | **1.1** | **23** |
| Fluorene | 50 | **0.063 J** | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.095 J** | **2.8 J** |
| Methylnaphthalene,2- | 36.4 | 0.75 U | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.045 J** | **3.7 J** |
| Naphthalene | 13 | 0.75 U | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.16 J** | **11** |
| Phenanthrene | 50 | **0.55 J** | 0.36 U | **0.037 J** | 0.39 U | 0.38 U | **0.73** | **20** |
| Pyrene | 50 | **0.74 J** | 0.36 UJ | **0.044 J** | 0.39 UJ | 0.38 U | **0.94** | **17** |
| Benz[a]anthracene | 0.224 | **0.38 J** | ***0.36 U*** | **0.025 J** | ***0.39 U*** | ***0.38 U*** | **0.49** | **9.6** |
| Benzo[a]pyrene | 0.061 | **0.38 J** | ***0.36 U*** | ***0.39 U*** | ***0.39 U*** | ***0.38 U*** | **0.46** | **8.4** |
| Benzo[b]fluoranthene | 1.1 | **0.32 J** | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.41 J** | **6.4** |
| Benzo[k]fluoranthene | 1.1 | **0.29 J** | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.41 J** | **7.9 J** |
| Chrysene | 0.4 | **0.43 J** | 0.36 U | **0.022 J** | 0.39 U | 0.38 U | **0.49** | **8.6** |
| Dibenz[a,h]anthracene | 0.014 | ***0.75 UJ*** | ***0.36 UJ*** | ***0.39 UJ*** | ***0.39 UJ*** | ***0.38 U*** | ***0.43 U*** | **2.4 J** |
| Indeno[1,2,3-cd]pyrene | 3.2 | **0.37 J** | 0.36 UJ | 0.39 UJ | 0.39 UJ | 0.38 U | **0.25 J** | **4.4 J** |
| Bis(2-ethylhexyl)phthalate | 50 | **0.11 J** | 0.36 U | **0.39** | **0.049 J** | **0.17 J** | 0.43 U | 4.9 U |
| Butyl benzyl phthalate | 50 | 0.75 UJ | 0.36 UJ | **0.044 J** | 0.39 UJ | 0.38 U | 0.43 U | 4.9 U |
| Carbazole | NE | **0.067 J** | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.08 J** | **2.4 J** |
| Dibenzofuran | 6.2 | 0.75 U | 0.36 U | 0.39 U | 0.39 U | 0.38 U | **0.058 J** | **1.9 J** |
| Di-n-butyl phthalate | 8.1 | 0.75 U | 0.36 U | 0.39 U | 0.39 U | **0.018 J** | 0.43 U | 4.9 U |
| Di-n-octyl phthalate | 50 | 0.75 U | 0.36 U | 0.39 U | 0.39 U | 0.38 U | 0.43 U | 4.9 U |
| Methylphenol, 4- | 0.9 | 0.75 U | 0.36 U | 0.39 U | 0.39 U | 0.38 U | 0.43 U | ***4.9 U*** |
| Nitroaniline,4- | NE | **0.31 J** | 0.71 UJ | 0.77 UJ | 0.77 UJ | 0.77 U | 0.86 U | 9.7 U |
| Total SVOCs | 500 | **5.68** | ND | **0.607** | **0.049** | **0.188** | **6.321** | **142.08** |

**Table 10 (continued)**
**Subsurface Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/(ft. below grade)/Sample Date | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | KS-MW-1 (3-4) 2/2/2004 | KS-MW1 (13-15) 2/5/2004 | KS-MW1 (22-24) 2/5/2004 | KS-MW1 (28-29) 2/5/2004 | KS-MW1 (31-32) 2/5/2004 | KS-MW-2 (12-14) 1/22/2004 | KS-MW-2 (16-18) 1/22/2004 |
| ***PCBs (mg/kg)*** | | | | | | | | |
| Aroclor 1248 | 10 | 0.019 U | 0.019 U | 0.02 U | 0.02 U | 0.02 U | 0.044 U | 0.025 U |
| Aroclor 1254 | 10 | 0.019 U | 0.019 U | 0.02 U | 0.02 U | 0.02 U | **0.013 J** | 0.025 U |
| Aroclor 1260 | 10 | **0.014 J** | 0.019 U | 0.02 U | 0.02 U | 0.02 U | 0.044 U | **0.015 J** |
| ***Inorganics (mg/Kg)*** | | | | | | | | |
| Cyanide, Total | NE | 0.0611 UJ | 0.0574 UJ | 0.0617 UJ | 0.0632 UJ | 0.0624 UJ | **0.327 J** | **30.3 J** |
| Aluminum | SB | **10700** | **8160** | **6450** | **4730** | **12300** | **6330** | **16800** |
| Antimony | SB | 1.6 UJ | 1.4 UJ | 1.6 UJ | 1.7 UJ | 1.7 UJ | 1.8 UJ | 2 UJ |
| Arsenic | 7.5 or SB | **4.7** | **1.7** | 1.7 U | 1.8 U | 1.8 U | **3.6** | **7.7** |
| Barium | 300 or SB | **93.1** | **48.4** | **58.3** | **58.4** | **130** | **286** | **246** |
| Beryllium | 0.16 or SB | ***0.69 U*** | ***0.63 U*** | ***0.71 U*** | ***0.75 U*** | ***0.74 U*** | ***0.77 U*** | ***0.84 U*** |
| Cadmium | 1 or SB | ***1.4 U*** | ***1.3 U*** | ***1.4 U*** | ***1.5 U*** | ***1.5 U*** | ***1.5 U*** | **1.7 J** |
| Calcium | SB | **13200** | **1110** | **1630** | **2150** | **75000** | **38300** | **122000** |
| Chromium | 10 or SB | **28.7** | **10.5** | **22.4** | **16.3** | **46.3** | **14.9** | **24** |
| Cobalt | 30 or SB | **9** | **6.6** | **8.7** | **4.5** | **8** | **5.8** | **7.4** |
| Copper | 25 or SB | **52.3** | **14.5** | **30.7** | **17.4** | **19.7** | **34.1** | **50.1** |
| Iron | 2000 or SB | **20600** | **15200** | **10400** | **10900** | **17100** | **13800** | **18500** |
| Lead | SB | **90.4** | **6.5** | **14.3** | **3.1** | **3.8 J** | **267** | **445** |
| Magnesium | SB | **6350** | **3360** | **3640** | **3450** | **47800** | **12500** | **18400** |
| Manganese | SB | **343** | **506** | **62.4** | **119** | **304** | **193 J** | **407 J** |
| Mercury | 0.1 | **0.28** | 0.053 U | 0.048 U | 0.05 U | 0.058 U | 0.061 U | **0.17** |
| Nickel | 13 or SB | **23.2** | **15.2** | **39.5** | **27.2** | **33.3** | **15.1** | **19.8** |
| Potassium | SB | **1890 J** | **898 J** | **1040 J** | **1390 J** | **4730 J** | **1950 J** | **1870 J** |
| Sodium | SB | **311 J** | 113 UJ | **315 J** | **285 J** | **402 J** | **280** | **603** |
| Thallium | SB | 2.7 U | 2.5 U | 2.8 U | 3 U | 2.9 U | 4.6 U | 5 U |
| Vanadium | 150 or SB | **36.6** | **14.7** | **22.6** | **19.2** | **41** | **19** | **41** |
| Zinc | 20 or SB | **122** | **35.1** | **50.6** | **39.6** | **56** | **308** | **449** |

**Table 10 (continued)**
**Subsurface Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/(ft. below grade)/Sample Date | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | KS-MW-3 (4-5) 1/12/2004 | KS-MW-3 (7-9) 2/2/2004 | KS-MW-3 (15-17) 2/2/2004 | KS-MW-4 (0.5-1) 1/13/2004 | KS-MW-4 (10-12) 1/23/2004 | KS-MW-4 (32-33) 1/23/2004 | KS-MW-5 (2-5) 1/13/2004 | KS-MW-5 (16.5-18) 1/20/2004 | KS-MW-5 (34-36) 1/20/2004 |
| ***VOCs (mg/kg)*** | | | | | | | | | | |
| Benzene | 0.06 | 0.03 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Ethylbenzene | 5.5 | 0.03 U | **0.001 J** | **0.002 J** | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Toluene | 1.5 | 0.03 U | **0.0008 J** | **0.001 J** | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Xylene, Total | 1.2 | 0.03 U | **0.004 J** | **0.006 J** | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Acetone | 0.2 | **0.05 J** | **0.009 J** | **0.021 J** | 0.011 UJ | **0.008 J** | 0.011 UJ | 0.011 UJ | 0.013 UJ | 0.011 UJ |
| Butanone,2- (MEK) | 0.3 | 0.059 U | 0.012 U | **0.008 J** | 0.011 U | 0.012 U | 0.011 U | 0.011 U | 0.013 U | 0.011 U |
| Carbon disulfide | 2.7 | 0.03 U | 0.006 U | **0.0005 J** | 0.006 U | 0.006 UJ | 0.006 UJ | 0.006 U | **0.0006 J** | 0.006 UJ |
| Methylene chloride | 0.1 | 0.03 U | 0.006 U | 0.006 U | 0.006 U | **0.005 J** | **0.004 J** | 0.006 U | 0.006 U | **0.002 J** |
| Styrene | NE | 0.03 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U | 0.006 U |
| Total VOCs | 10 | **0.05** | **0.0148** | **0.0385** | ND | **0.013** | **0.004** | ND | **0.0006** | **0.002** |
| ***SVOCs (mg/kg)*** | | | | | | | | | | |
| Acenaphthene | 50 | **12 J** | **0.047 J** | 0.39 U | **0.05 J** | **0.041 J** | 0.36 U | **0.027 J** | 0.41 U | 0.37 U |
| Acenaphthylene | 41 | **1.4 J** | **0.063 J** | 0.39 U | **0.35 J** | **0.066 J** | 0.36 U | **0.77** | 0.41 U | 0.37 U |
| Anthracene | 50 | **26** | **0.14 J** | **0.015 J** | **0.42** | **0.081 J** | 0.36 U | **0.5** | 0.41 U | 0.37 U |
| Benzo[g,h,i]perylene | 50 | **14 J** | **0.21 J** | **0.039 J** | **0.87** | **0.12 J** | 0.36 U | **1.1** | 0.41 U | 0.37 U |
| Fluoranthene | 50 | **75** | **0.38** | **0.054 J** | **1.4** | **0.25 J** | 0.36 U | **1.1** | 0.41 U | 0.37 U |
| Fluorene | 50 | **18 J** | **0.055 J** | 0.39 U | **0.14 J** | **0.063 J** | 0.36 U | **0.036 J** | 0.41 U | 0.37 U |
| Methylnaphthalene,2- | 36.4 | 19 U | 0.38 U | 0.39 U | **0.07 J** | **0.065 J** | 0.36 U | 0.36 U | 0.41 U | 0.37 U |
| Naphthalene | 13 | **1.9 J** | 0.38 U | 0.39 U | **0.13 J** | **0.067 J** | 0.36 U | **0.038 J** | 0.41 U | 0.37 U |
| Phenanthrene | 50 | **82** | **0.35 J** | **0.035 J** | **0.85** | **0.18 J** | 0.36 U | **0.42** | 0.41 U | 0.37 U |
| Pyrene | 50 | **68** | **0.56** | **0.081 J** | **1.3** | **0.32 J** | 0.36 U | **1** | 0.41 U | 0.37 U |
| Benz[a]anthracene | 0.224 | **27** | **0.25 J** | **0.05 J** | **0.93** | **0.15 J** | ***0.36 U*** | **0.9** | ***0.41 U*** | ***0.37 U*** |
| Benzo[a]pyrene | 0.061 | **17 J** | **0.22 J** | **0.045 J** | **0.87** | **0.16 J** | ***0.36 U*** | **0.93** | ***0.41 U*** | ***0.37 U*** |
| Benzo[b]fluoranthene | 1.1 | **12 J** | **0.16 J** | 0.39 U | **0.64** | **0.11 J** | 0.36 U | **0.76** | 0.41 U | 0.37 U |
| Benzo[k]fluoranthene | 1.1 | **15 J** | **0.18 J** | 0.39 U | **0.73** | **0.15 J** | 0.36 U | **0.71** | 0.41 UJ | 0.37 U |
| Chrysene | 0.4 | **27** | **0.25 J** | **0.058 J** | **0.9** | **0.17 J** | 0.36 U | **0.95** | ***0.41 U*** | 0.37 U |
| Dibenz[a,h]anthracene | 0.014 | **4.9 J** | **0.072 J** | ***0.39 U*** | **0.29 J** | **0.038 J** | ***0.36 U*** | **0.38** | ***0.41 U*** | ***0.37 U*** |
| Indeno[1,2,3-cd]pyrene | 3.2 | **12 J** | **0.17 J** | 0.39 U | **0.75** | **0.097 J** | 0.36 U | **0.98** | 0.41 U | 0.37 U |
| Bis(2-ethylhexyl)phthalate | 50 | 19 U | **0.15 J** | **0.15 J** | **0.059 J** | 0.4 U | 0.36 U | **0.097 J** | **0.056 J** | 0.37 U |
| Butyl benzyl phthalate | 50 | 19 U | **0.036 J** | **0.039 J** | 0.35 U | 0.4 U | **0.015 J** | 0.36 U | 0.41 U | **0.022 J** |
| Carbazole | NE | **13 J** | **0.044 J** | 0.39 U | **0.072 J** | 0.4 U | 0.36 U | **0.089 J** | 0.41 U | 0.37 U |
| Dibenzofuran | 6.2 | **8.3 J** | **0.024 J** | 0.39 U | **0.12 J** | 0.4 U | 0.36 U | **0.023 J** | 0.41 U | 0.37 U |
| Di-n-butyl phthalate | 8.1 | ***19 U*** | **0.029 J** | **0.024 J** | 0.35 U | 0.4 U | 0.36 U | 0.36 U | 0.41 U | 0.37 U |
| Di-n-octyl phthalate | 50 | 19 U | 0.38 U | 0.39 U | 0.35 U | 0.4 U | 0.36 U | 0.36 U | 0.41 U | 0.37 U |
| Methylphenol, 4- | 0.9 | ***19 U*** | 0.38 U | 0.39 U | 0.35 U | 0.4 UJ | 0.36 UJ | 0.36 U | 0.41 U | 0.37 UJ |
| Nitroaniline,4- | NE | 38 U | 0.76 U | 0.77 U | 0.7 U | 0.79 U | 0.72 U | 0.73 U | 0.81 U | 0.74 U |
| Total SVOCs | 500 | **434.5** | **3.39** | **0.59** | **10.941** | **2.128** | **0.015** | **10.81** | **0.056** | **0.022** |

**Table 10 (continued)**
**Subsurface Soil Analytical Results Summary**
**Comparison to NYSDEC Soil Cleanup Objectives**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | Sample ID/(ft. below grade)/Sample Date | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | KS-MW-3 (4-5) 1/12/2004 | KS-MW-3 (7-9) 2/2/2004 | KS-MW-3 (15-17) 2/2/2004 | KS-MW-4 (0.5-1) 1/13/2004 | KS-MW-4 (10-12) 1/23/2004 | KS-MW-4 (32-33) 1/23/2004 | KS-MW-5 (2-5) 1/13/2004 | KS-MW-5 (16.5-18) 1/20/2004 | KS-MW-5 (34-36) 1/20/2004 |
| ***PCBs (mg/kg)*** | | | | | | | | | | |
| Aroclor 1248 | 10 | 0.02 U | **0.011 J** | 0.02 U | 0.018 U | 0.02 U | 0.019 U | 0.018 U | 0.021 U | 0.019 U |
| Aroclor 1254 | 10 | 0.02 U | 0.02 U | 0.02 U | 0.018 U | 0.02 U | 0.019 U | 0.018 U | 0.021 U | 0.019 U |
| Aroclor 1260 | 10 | 0.02 U | 0.02 U | 0.02 U | 0.018 U | 0.02 U | 0.019 U | 0.018 U | 0.021 U | 0.019 U |
| ***Inorganics (mg/Kg)*** | | | | | | | | | | |
| Cyanide, Total | NE | 0.0634 UJ | **0.12 UJ** | 0.0638 UJ | 0.0595 UJ | 0.063 UJ | 0.0604 UJ | 0.0581 UJ | 0.0655 UJ | 0.0593 UJ |
| Aluminum | SB | **9680** | **6370** | **16300** | **8120** | **10900** | **4660** | **10500** | **6050** | **22200** |
| Antimony | SB | 1.6 UJ | 1.6 UJ | 1.7 UJ | 1.5 UJ | 1.6 UJ | 1.5 UJ | 1.5 UJ | 1.8 UJ | 1.5 UJ |
| Arsenic | 7.5 or SB | **3.7** | 1.7 U | **3.3** | **3.5** | **1.9** | 1.2 U | **3.1** | 1.5 U | 1.3 U |
| Barium | 300 or SB | **98.6** | **51.6** | **155** | **95.5** | **81.6** | **65.2** | **127** | **42** | **471** |
| Beryllium | 0.16 or SB | ***0.68 U*** | ***0.7 U*** | ***0.72 U*** | ***0.64 U*** | ***0.65 U*** | ***0.62 U*** | ***0.62 U*** | ***0.77 U*** | **0.75** |
| Cadmium | 1 or SB | ***1.4 U*** | ***1.4 U*** | ***1.4 U*** | ***1.3 U*** | ***1.3 U*** | ***1.2 U*** | ***1.2 U*** | ***1.5 U*** | ***1.3 U*** |
| Calcium | SB | **14900 J** | **19700** | **6620** | **27200 J** | **17800** | **67800** | **12800 J** | **885** | **3780** |
| Chromium | 10 or SB | **32.9** | **21.1** | **68.5** | **24.4** | **42.5** | **28.9** | **30.7** | **13.8** | **160** |
| Cobalt | 30 or SB | **7.6** | **5.4** | **16.5** | **9.3** | **8** | **5.7** | **7.8** | **5.1** | **35.9 J** |
| Copper | 25 or SB | **26.7 J** | **12.2** | **34.1** | **71 J** | **18.3** | **14.3** | **42.4 J** | **9.3** | **110** |
| Iron | 2000 or SB | **18200** | **12100** | **30700** | **17000** | **18500** | **7810** | **17700** | **12400** | **37500** |
| Lead | SB | **209** | **19.2** | **302** | **91.4** | **58.1** | **1.5** | **107** | **6.2** | **9.3** |
| Magnesium | SB | **12400** | **14100** | **12300** | **17500** | **16500** | **46000** | **10600** | **3080** | **19100** |
| Manganese | SB | **256 J** | **134** | **323** | **280 J** | **181 J** | **85.4 J** | **309 J** | **386 J** | **64 J** |
| Mercury | 0.1 | **0.058** | 0.051 U | 0.057 U | **0.17** | **0.091** | 0.053 U | **0.077** | 0.063 U | 0.048 U |
| Nickel | 13 or SB | **22.4 J** | **18.2** | **75** | **27.8 J** | **29.8** | **33.7** | **24.8 J** | **25.5** | **229** |
| Potassium | SB | **4030 J** | **1640 J** | **3780 J** | **1970 J** | **3910 J** | **2650 J** | **2090 J** | **1390 J** | **12800 J** |
| Sodium | SB | **169** | 155 UJ | **270 J** | **261** | **305** | **238** | **249** | 117 U | **651** |
| Thallium | SB | 4.1 U | 2.8 U | 2.9 U | 3.9 U | 3.9 U | 3.7 U | 3.7 U | 4.6 U | 3.8 U |
| Vanadium | 150 or SB | **38** | **20.5** | **67.6** | **31.3** | **35.1** | **30.1** | **33.3** | **16.7** | **190** |
| Zinc | 20 or SB | **215 J** | **45.7** | **95.8** | **201 J** | **59.4** | **41.6** | **161 J** | **31.4** | **178** |

**Notes:**

NYSDEC - New York State Department of Environmental Conservation
TAGM - Technical and Administrative Guidance Memorandum
mg/kg is milligrams per kilogram
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
PCBs - Polychlorinated Biphenyls
J - estimated value
U - not detected to the reporting limit shown (for organic analyses)
and the method detection limit shown (for inorganic analyses)
UJ - not detected to the limit shown, the limit shown is estimated
R - rejected value
ND - Total concentration is listed as ND because no compounds were detected.
NE - Cleanup objective not established
Blue - Compound Detected in sample
Red - Concentration exceeds NYSDEC-recommended cleanup objective
SB - Site Background

Bold and italicized results indicate that the limit shown for a non-detect result was greater than the applicable soil cleanup objective.

## Table 11
## Background Concentrations of PAH and Metals

| Compounds | Background Concentration Range (mg/kg) | Arithmetic Means (mg/kg) |
|---|---|---|
| **PAH [1]** | | |
| 2-Methylnaphthalene | 0.017 - 0.64 | 0.151 |
| Acenaphthene | 0.024 - 0.34 | 0.201 |
| Acenaphthylene | 0.018 - 1.10 | 0.173 |
| Anthracene | 0.029 - 5.70 | 0.351 |
| Benz(a)anthracene | 0.048 - 15.00 | 1.319 |
| Benzo(a)pyrene | 0.040 - 13.00 | 1.323 |
| Benzo(b)fluoranthene | 0.049 - 12.00 | 1.435 |
| Benzo(g,h,i)perylene | 0.200 - 5.90 | 0.891 |
| Benzo(k)fluoranthene | 0.043 - 25.00 | 1.681 |
| Chrysene | 0.038 - 21.00 | 1.841 |
| Dibenz(a,h)anthracene | 0.020 - 2.90 | 0.388 |
| Fluoranthene | 0.110 - 39.00 | 3.047 |
| Fluorene | 0.022 - 3.30 | 0.214 |
| Indeno(1,2,3-c,d)pyrene | 0.093 - 6.00 | 0.987 |
| Naphthalene | 0.018 - 0.66 | 0.125 |
| Phenanthrene | 0.071 - 36.00 | 1.838 |
| Pyrene | 0.082 - 11.00 | 2.398 |
| Total PAH | 2.292 - 166.65 | 18.361 |
| **Metals[2]** | | |
| Aluminum | 700 - > 10,000 | 72,000 |
| Antimony | <1 - 8.8 | 0.66 |
| Arsenic | <0.1 - 97 | 7.2 |
| Barium | 10 - 5,000 | 580 |
| Beryllium | <1 - 15 | 0.92 |
| Cadmium[3] | 0.01 - 22 | - |
| Calcium | 100 - 320,000 | 24,000 |
| Chromium | 1 - 2,000 | 54 |
| Cobalt | <3 - 70 | 9.1 |
| Copper | <1 - 700 | 25 |
| Iron | 100 - 100,000 | 26,000 |
| Lead | <10 - 700 | 19 |
| Magnesium | 50 - >100,000 | 9,000 |
| Manganese | <2 - 7,000 | 550 |
| Mercury | 0.01 - 4.6 | 0.09 |
| Nickel | <5 - 700 | 19 |
| Potassium | 50 - 63,000 | 15,000 |
| Selenium | <0.1 - 4.3 | 0.39 |
| Silver[3] | 0.01 - 5 | 0.05 |
| Sodium | <500 - 100,000 | 12,000 |
| Thallium | 70 - 20,000 | 2,900 |
| Vanadium | <7 - 500 | 80 |
| Zinc | <5 - 2,900 | 60 |

**Note:**

Source: [1]Bradley, B.H., et al. 1994. "Background Levels of Polycyclic Aromatic

[2]. H.T. Shacklette and J.G. Boerngen, USGS Professional Paper 1270, 1984

[3]. USEPA, *Metals in Soils: A Brief Summary*, 1980

- Not presented in source

**Table 12**
**Surface-Soil Analytical Results Summary**
**Benzo(a)pyrene Equivalents**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | B(a)p equivalents | KS-SS-1 | | KS-SS-2 | | KS-SS-3 | | KS-SS-4 | | KS-SS-5 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Measured | B(a)p equivalents | Measured | B(a)p equivalents | Measured | B(a)p equivalents | Measured | B(a)p equivalents | Measured | B(a)p equivalents |
| ***SVOCs (mg/kg)*** | | | | | | | | | | | | |
| Benz[a]anthracene | 0.224 | 0.1 | **0.38** | **0.038** | **0.38** | **0.038** | **0.22** | **0.022** | **0.18** | **0.018** | **0.13** | **0.013** |
| Benzo[a]pyrene | 0.061 | 1 | **0.57** | **0.57** | **0.33** | **0.33** | **0.21** | **0.21** | **0.19** | **0.19** | **0.12** | **0.12** |
| Benzo[b]fluoranthene | 1.1 | 0.1 | **0.75** | **0.075** | **0.24** | **0.024** | **0.17** | **0.017** | **0.19** | **0.019** | **0.12** | **0.012** |
| Benzo[k]fluoranthene | 1.1 | 0.01 | **0.73** | **0.0073** | **0.29** | **0.0029** | **0.2** | **0.002** | **0.17** | **0.0017** | 0.92 | **0.0092** |
| Chrysene | 0.4 | 0.001 | **0.84** | **0.00084** | **0.42** | **0.00042** | **0.27** | **0.00027** | **0.24** | **0.00024** | **0.16** | **0.00016** |
| Dibenz[a,h]anthracene | 0.014 | 1 | **0.24** | **0.24** | **0.12** | **0.12** | **0.079** | **0.079** | **0.068** | **0.068** | ***0.92*** | ***ND*** |
| Indeno[1,2,3-cd]pyrene | 3.2 | 0.1 | **0.82** | **0.082** | **0.29** | **0.029** | **0.2** | **0.02** | **0.19** | **0.019** | **0.11** | **0.011** |
| Total SVOCs | 500 | | **9.614** | **1.01314** | **5.26** | **0.54432** | **2.853** | **0.35027** | **2.351** | **0.31594** | **1.424** | **0.16536** |

**Table 12 (cont.)**
**Surface-Soil Analytical Results Summary**
**Benzo(a)pyrene Equivalents**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | B(a)p equivalents | KS-SS-6 | | KS-SS-7 | | KS-SS-8 | | KS-SS-9 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Measured | B(a)p equivalents | Measured | B(a)p equivalents | Measured | B(a)p equivalents | Measured | B(a)p equivalents |
| ***SVOCs (mg/kg)*** | | | | | | | | | | |
| Benz[a]anthracene | 0.224 | 0.1 | **0.2** | **0.02** | **0.22** | **0.022** | **0.18** | **0.018** | **0.17** | **0.017** |
| Benzo[a]pyrene | 0.061 | 1 | **0.19** | **0.19** | **0.2** | **0.2** | **0.18** | **0.18** | **0.16** | **0.16** |
| Benzo[b]fluoranthene | 1.1 | 0.1 | **0.16** | **0.016** | **0.16** | **0.016** | **0.15** | **0.015** | **0.14** | **0.014** |
| Benzo[k]fluoranthene | 1.1 | 0.01 | **0.15** | **0.0015** | **0.16** | **0.0016** | **0.14** | **0.0014** | **0.13** | **0.0013** |
| Chrysene | 0.4 | 0.001 | **0.23** | **0.00023** | **0.24** | **0.00024** | **0.2** | **0.0002** | **0.19** | **0.00019** |
| Dibenz[a,h]anthracene | 0.014 | 1 | **0.061** | **0.061** | **0.054** | **0.054** | **0.051** | **0.051** | ***0.81*** | ***ND*** |
| Indeno[1,2,3-cd]pyrene | 3.2 | 0.1 | **0.15** | **0.015** | **0.14** | **0.014** | **0.13** | **0.013** | **0.11** | **0.011** |
| Total SVOCs | 500 | | **2.24** | **0.30373** | **2.427** | **0.30784** | **1.995** | **0.2786** | **1.925** | **0.20349** |

**Notes:**

NYSDEC - New York State Department of Environmental Conservation
TAGM - Technical and Administrative Guidance Memorandum
mg/kg is milligrams per kilogram
J - estimated value
U - not detected to the reporting limit shown (for organic analyses)
UJ - not detected to the limit shown, the limit shown is estimated
Blue - Compound Detected in sample
Red - Concentration exceeds NYSDEC-recommended cleanup objective
SB - Site Background

**Table 13**
**Groundwater Analytical Results Summary**
**Comparison to NYSDEC Ambient Water Quality Standards**
**Kingsbridge Station**
**Bronx, New York**

| **Chemical Name** | NYSDEC Ambient Water Quality Standards | Sample Location/Date Collected | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | MW-1 2/24/2004 | MW-2 2/25/2004 | MW-3 2/25/2004 | MW-4D 2/25/2004 | MW-4S 2/25/2004 | MW-5D 2/25/2004 | MW-5S 2/25/2004 |
| ***VOCs (ug/L)*** | | | | | | | | |
| Ethylbenzene | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Toluene | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Xylene, Total | NE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Benzene | 1 | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** |
| Styrene | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dichloropropene, cis-1,3 | NE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dichloropropene, trans-1,3 | NE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dichloroethane,1,2- | 0.6 | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** |
| Vinyl Acetate | NE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Methyl-2-pentanone,4- | NE | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Chlorobenzene | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dibromochloromethane | 50* | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Tetrachloroethene | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dichloroethene, cis-1,2- | NE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Trans-1,2-Dichloroethene | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Carbon tetrachloride | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Hexanone,2- | NE | 10 UJ | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Acetone | 50* | 10 U | 10 U | 10 UJ | 10 UJ | 10 UJ | 10 UJ | 10 UJ |
| Chloroform | 7 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Trichloroethane,1,1,1- | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Bromomethane | 5 | 5 UJ | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Chloromethane | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Chloroethane | 5 | 5 U | 5 UJ | 5 UJ | 5 UJ | 5 UJ | 5 UJ | 5 UJ |
| Vinyl chloride | 2 | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** | ***5 U*** |
| Methylene chloride | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Carbon disulfide | NE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Bromoform | NE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Bromodichloromethane | 50* | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dichloroethane,1,1- | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dichloroethene,1,1- | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dichloropropane,1,2- | NE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Butanone,2- (MEK) | 50* | 10 UJ | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Trichloroethane,1,1,2- | NE | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Trichloroethene | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Tetrachloroethane,1,1,2,2- | 5 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| ***SVOCs (ug/L)*** | | | | | | | | |
| Anthracene | 50* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Pyrene | 50* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Benzo[g,h,i]perylene | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Fluoranthene | 50* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Acenaphthylene | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Acenaphthene | 20* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Phenanthrene | 50* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Fluorene | 50* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Naphthalene | 10* | ***11 U*** | 10 U | ***11 U*** | 10 U | 10 U | 10 U | 10 U |
| Methylnaphthalene,2- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Indeno[1,2,3-cd]pyrene | 0.002* | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Benzo[b]fluoranthene | 0.002* | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Benzo[k]fluoranthene | 0.002* | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Chrysene | 0.002* | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |

**Table 13**
**Groundwater Analytical Results Summary**
**Comparison to NYSDEC Ambient Water Quality Standards**
**Kingsbridge Station**
**Bronx, New York**

| Chemical Name | NYSDEC Ambient Water Quality Standards | Sample Location/Date Collected | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | MW-1 2/24/2004 | MW-2 2/25/2004 | MW-3 2/25/2004 | MW-4D 2/25/2004 | MW-4S 2/25/2004 | MW-5D 2/25/2004 | MW-5S 2/25/2004 |
| ***SVOCs (ug/L) - continued*** | | | | | | | | |
| Benzo[a]pyrene | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Dibenz[a,h]anthracene | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Benz[a]anthracene | 0.002* | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Nitroaniline,4- | NE | 21 U | 20 U | 21 U | 20 U | 20 U | 20 U | 20 U |
| Nitrophenol,4- | NE | 53 UJ | 50 UJ | 53 UJ | 50 UJ | 50 UJ | 50 UJ | 50 UJ |
| Benzyl alcohol | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Bromophenyl phenyl ether,4- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Dimethylphenol, 2,4- | 50* | 11 UJ | 10 UJ | 11 UJ | 10 UJ | 10 UJ | 10 UJ | 10 UJ |
| Methylphenol, 4- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Dichlorobenzene,1,4- | 3 | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Chloroaniline,4- | 5 | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Bis(chloroisopropyl)ether | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Phenol | NE | 11 UJ | 10 UJ | 11 UJ | 10 UJ | 10 UJ | 10 UJ | 10 UJ |
| Bis(2-chloroethyl)ether | 1 | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Bis(2-chloroethoxy)methane | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Bis(2-ethylhexyl)phthalate | 5 | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Di-n-octyl phthalate | 50* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Hexachlorobenzene | 0.04 | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Trichlorobenzene,1,2,4- | 5 | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Dichlorophenol,2,4- | 5 | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Dinitrotoluene,2,4- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Dimethyl phthalate | 50* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Dibenzofuran | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Dinitrophenol,2,4- | 10* | ***53 UJ*** | ***50 UJ*** | ***53 UJ*** | ***50 UJ*** | ***50 UJ*** | ***50 UJ*** | ***50 UJ*** |
| Dinitro-2-methylphenol,4,6- | NE | 53 U | 50 U | 53 U | 50 U | 50 U | 50 U | 50 U |
| Dichlorobenzene,1,3- | 3 | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Chloro-3-methylphenol,4- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Dinitrotoluene,2,6- | 5 | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| N-Nitrosodi-n-propylamine | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Benzoic acid | NE | 53 UJ | 50 UJ | 53 UJ | 50 UJ | 50 UJ | 50 UJ | 50 UJ |
| Hexachloroethane | NE | 11 UJ | 10 UJ | 11 UJ | 10 UJ | 10 UJ | 10 UJ | 10 UJ |
| Chlorophenyl phenyl ether,4- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Hexachlorocyclopentadiene | NE | 11 UJ | 10 UJ | 11 UJ | 10 UJ | 10 UJ | 10 UJ | 10 UJ |
| Isophorone | 50* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Diethyl phthalate | 50* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Di-n-butyl phthalate | 50 | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Butyl benzyl phthalate | 50* | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| N-Nitrosodiphenylamine | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Carbazole | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Hexachlorobutadiene | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Pentachlorophenol | NE | 53 U | 50 U | 53 U | 50 U | 50 U | 50 U | 50 U |
| Trichlorophenol,2,4,6- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Nitroaniline,2- | 5 | ***53 U*** | ***50 U*** | ***53 U*** | ***50 U*** | ***50 U*** | ***50 U*** | ***50 U*** |
| Nitrophenol,2- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Chloronaphthalene,2- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Dichlorobenzidine,3,3- | NE | 21 U | 20 U | 21 U | 20 U | 20 U | 20 U | 20 U |
| Methylphenol,2- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Dichlorobenzene,1,2- | 3 | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Chlorophenol,2- | NE | 11 U | 10 U | 11 U | 10 U | 10 U | 10 U | 10 U |
| Trichlorophenol,2,4,5- | NE | 53 U | 50 U | 53 U | 50 U | 50 U | 50 U | 50 U |
| Nitrobenzene | 0.4 | ***11 U*** | ***10 U*** | ***11 U*** | ***10 U*** | ***10 U*** | ***10 U*** | ***10 U*** |
| Nitroaniline,3- | 5 | ***53 U*** | ***50 U*** | ***53 U*** | ***50 U*** | ***50 U*** | ***50 U*** | ***50 U*** |

**Table 13**
**Groundwater Analytical Results Summary**
**Comparison to NYSDEC Ambient Water Quality Standards**
**Kingsbridge Station**
**Bronx, New York**

| **Chemical Name** | NYSDEC Ambient Water Quality Standards | Sample Location/Date Collected | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | MW-1 2/24/2004 | MW-2 2/25/2004 | MW-3 2/25/2004 | MW-4D 2/25/2004 | MW-4S 2/25/2004 | MW-5D 2/25/2004 | MW-5S 2/25/2004 |
| ***PCBs (ug/L)*** | | | | | | | | |
| Aroclor 1260 | NE | 0.5 U | **0.74 J** | 0.5 U | 0.5 U | 0.5 U | **0.18 J** | 0.5 U |
| Aroclor 1254 | NE | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Aroclor 1221 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Aroclor 1232 | NE | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Aroclor 1248 | NE | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Aroclor 1016 | NE | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Aroclor 1242 | NE | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| ***Inorganics (ug/L)*** | | | | | | | | |
| Aluminum | NE | **1380** | 92 U | **190** | **191** | **103** | **1920** | 92 U |
| Iron | 300 | **3160** | 54 U | **2270** | **913** | **10600** | **10300** | 54 U |
| Lead | 25 | **3.8** | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U |
| Magnesium | 35000* | **117000** | **18700** | **74300** | **33100** | **68900** | **32900** | **62400** |
| Manganese | 300 | **244** | **39.9** | **1390** | **378** | **3290** | **1980** | **1650** |
| Mercury | 0.7 | 0.18 U | 0.18 U | 0.18 U | 0.18 U | 0.18 U | 0.18 U | 0.18 U |
| Nickel | 100 | **22.3** | 1.9 U | **12.6** | 1.9 U | **2** | **24.7** | **45.7** |
| Potassium | NE | **21700** | **23900** | **21900** | **13300 J** | **23700** | **20100** | **18100** |
| Silver | 50 | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.1 U |
| Sodium | 20000 | **449000** | **102000** | **61100** | **26100** | **132000** | **60300** | **130000** |
| Thallium | 0.5* | ***10 UJ*** | ***10 U*** | ***10 UJ*** | ***10 U*** | ***10 UJ*** | ***10 U*** | ***10 U*** |
| Antimony | 3 | ***5.4 U*** | ***5.4 U*** | ***5.4 U*** | ***5.4 U*** | ***5.4 U*** | ***5.4 U*** | ***5.4 U*** |
| Arsenic | 25 | 3.9 U | 3.9 U | 3.9 U | 3.9 U | 3.9 U | 3.9 U | 3.9 U |
| Barium | 1000 | **279** | **54.7** | **70.9** | **57.5** | **379** | **113** | **76** |
| Beryllium | 3* | 0.54 U | 0.54 U | 0.54 U | 0.54 U | 0.54 U | 0.54 U | 0.54 U |
| Cadmium | 5 | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.1 U | **1.1** |
| Chromium | 50 | **7.5 J** | 1.3 U | 1.3 U | 1.3 U | 1.3 U | **13.4** | 1.3 U |
| Cobalt | NE | **6.2** | 1.8 U | 1.8 U | 1.8 U | 1.8 U | **3.3** | **8.4** |
| Copper | 200 | **9** | 4.3 U | 4.3 U | 4.3 U | 4.3 U | 4.3 U | 4.3 U |
| Vanadium | NE | **4.7** | **3.4** | 1.5 U | 1.5 U | 1.5 U | **10.9** | 1.5 U |
| Zinc | 2000* | **16.7** | 11 U | 11 U | 11 U | 11 U | **39.6** | **11.5** |
| Calcium | NE | **301000 J** | **132000 J** | **228000 J** | **113000 J** | **205000 J** | **128000 J** | **178000 J** |
| Selenium | 10 | **6.1** | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Cyanide, Total | 200 | **49.5** | **43.7** | 7 U | 7 U | 7 U | 7 U | 7 U |
| Cyanide, Available | NE | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |

Notes:
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
NE - Not Established
* - guidance value
J - estimated value
U - not detected to reporting limit shown (organic analysis), and the method detection limit shown (inorganic analysis)
UJ - not detected, limit shown is estimated
ug/L is micrograms per liter
Blue - Compound Detected in sample
Red - Exceeds Water Quality Standards

Bold and italicized results are reported as non-detect - pql is above the applicable guidance value.

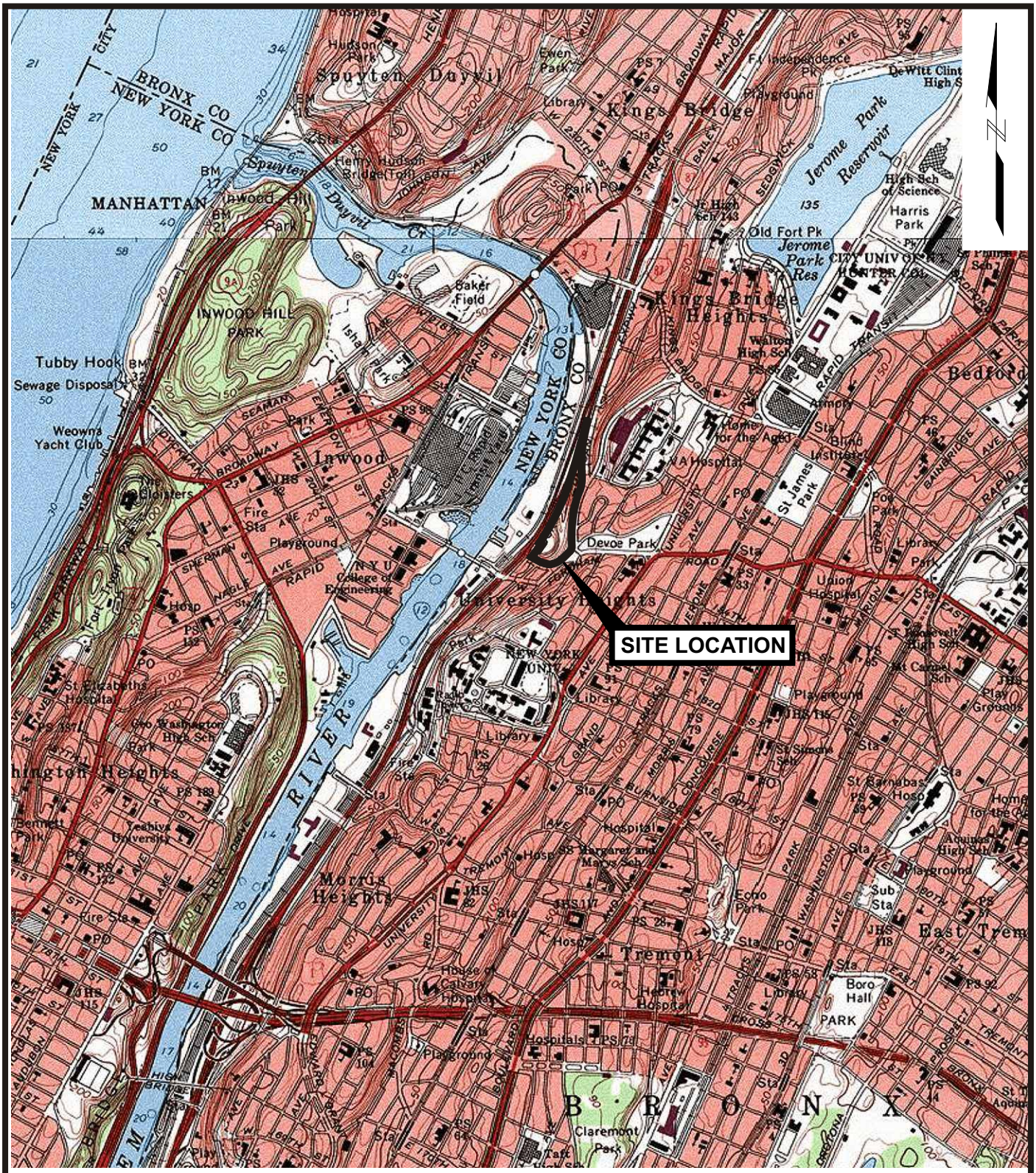
**Table 14**
**Groundwater Summary Statistics**
**Kingsbridge Station**
**Bronx, New York**

| **Chemical Name** | NYSDEC RSCO (TAGM 4046) | Number of Samples Analyzed | Number of Detections | Maximum Detected Concentration (ug/L) | Sample with Maximum Detected Concentration | Number of Detections that Exceed NYSDEC RSCO | Percent Detected that Exceed NYSDEC RSCO |
|---|---|---|---|---|---|---|---|
| Aroclor 1260 | NE | 7 | 2 | 0.74 | MW-2 | 0 | 0 |
| Aluminum | NE | 7 | 5 | 1920 | MW-5D | 0 | 0 |
| Barium | 1000 | 7 | 7 | 379 | MW-4S | 0 | 0 |
| Cadmium | 5 | 7 | 1 | 1.1 | MW-5S | 0 | 0 |
| Calcium | NE | 7 | 7 | 301000 | MW-1 | 0 | 0 |
| Chromium | 50 | 7 | 2 | 13.4 | MW-5D | 0 | 0 |
| Cobalt | NE | 7 | 3 | 8.4 | MW-5S | 0 | 0 |
| Copper | 200 | 7 | 1 | 9 | MW-1 | 0 | 0 |
| Iron | 300 | 7 | 5 | 10600 | MW-4S | 5 | 100 |
| Lead | 25 | 7 | 1 | 3.8 | MW-1 | 0 | 0 |
| Magnesium | 35000* | 7 | 7 | 117000 | MW-1 | 4 | 57 |
| Manganese | 300 | 7 | 7 | 3290 | MW-4S | 5 | 71 |
| Nickel | 100 | 7 | 5 | 45.7 | MW-5S | 0 | 0 |
| Potassium | NE | 7 | 7 | 23900 | MW-2 | 0 | 0 |
| Selenium | 10 | 7 | 1 | 6.1 | MW-1 | 0 | 0 |
| Sodium | 20000 | 7 | 7 | 449000 | MW-1 | 7 | 100 |
| Vanadium | NE | 7 | 3 | 10.9 | MW-5D | 0 | 0 |
| Zinc | 2000* | 7 | 3 | 39.6 | MW-5D | 0 | 0 |
| Cyanide, Total | 200 | 7 | 2 | 49.5 | MW-1 | 0 | 0 |

# Table 15
# Exposure Pathway Assessment
# Kingsbridge Holder Station
# Bronx, New York

| Compound Group | Media | Screening Criteria | Exceeds Criteria? | Potential Receptors | Complete Exposure Pathway? |
|---|---|---|---|---|---|
| VOCs | Surface Soil | TAGM 4046 | No | Maintenance Worker | No |
| | | | | Construction Worker | No |
| | | | | Park User | No |
| | | | | Parking Lot Patron | No |
| | Subsurface Soil | TAGM 4046 | No | Maintenance Worker | No |
| | | | | Construction Worker | No |
| | | | | Park User | No |
| | | | | Parking Lot Patron | No |
| | Groundwater | NYSWQS | No | Maintenance Worker | No |
| | | | | Construction Worker | No |
| | | | | Park User | No |
| | | | | Parking Lot Patron | No |
| SVOCs | Surface Soil | TAGM 4046 and Background | Yes | Maintenance Worker | Yes |
| | | | | Construction Worker | Yes |
| | | | | Park User | Yes |
| | | | | Parking Lot Patron | No |
| | Subsurface Soil | TAGM 4046 | Yes | Maintenance Worker | Yes |
| | | | | Construction Worker | Yes |
| | | | | Park User | No |
| | | | | Parking Lot Patron | No |
| | Groundwater | NYSWQS | No | Maintenance Worker | No |
| | | | | Construction Worker | No |
| | | | | Park User | No |
| | | | | Parking Lot Patron | No |
| Metals | Surface Soil | TAGM 4046 and Background | Yes | Maintenance Worker | Yes |
| | | | | Construction Worker | Yes |
| | | | | Park User | Yes |
| | | | | Parking Lot Patron | No |
| | Subsurface Soil | TAGM 4046 | Yes | Maintenance Worker | Yes |
| | | | | Construction Worker | Yes |
| | | | | Park User | No |
| | | | | Parking Lot Patron | No |
| | Groundwater | NYSWQS | Yes | Maintenance Worker | Yes |
| | | | | Construction Worker | Yes |
| | | | | Park User | No |
| | | | | Parking Lot Patron | No |
| PCBs | Surface Soil | TAGM 4046 | Yes | Maintenance Worker | Yes |
| | | | | Construction Worker | Yes |
| | | | | Park User | Yes |
| | | | | Parking Lot Patron | No |
| | Subsurface Soil | TAGM 4046 | No | Maintenance Worker | No |
| | | | | Construction Worker | No |
| | | | | Park User | No |
| | | | | Parking Lot Patron | No |
| | Groundwater | NYSWQS | No | Maintenance Worker | No |
| | | | | Construction Worker | No |
| | | | | Park User | No |
| | | | | Parking Lot Patron | No |

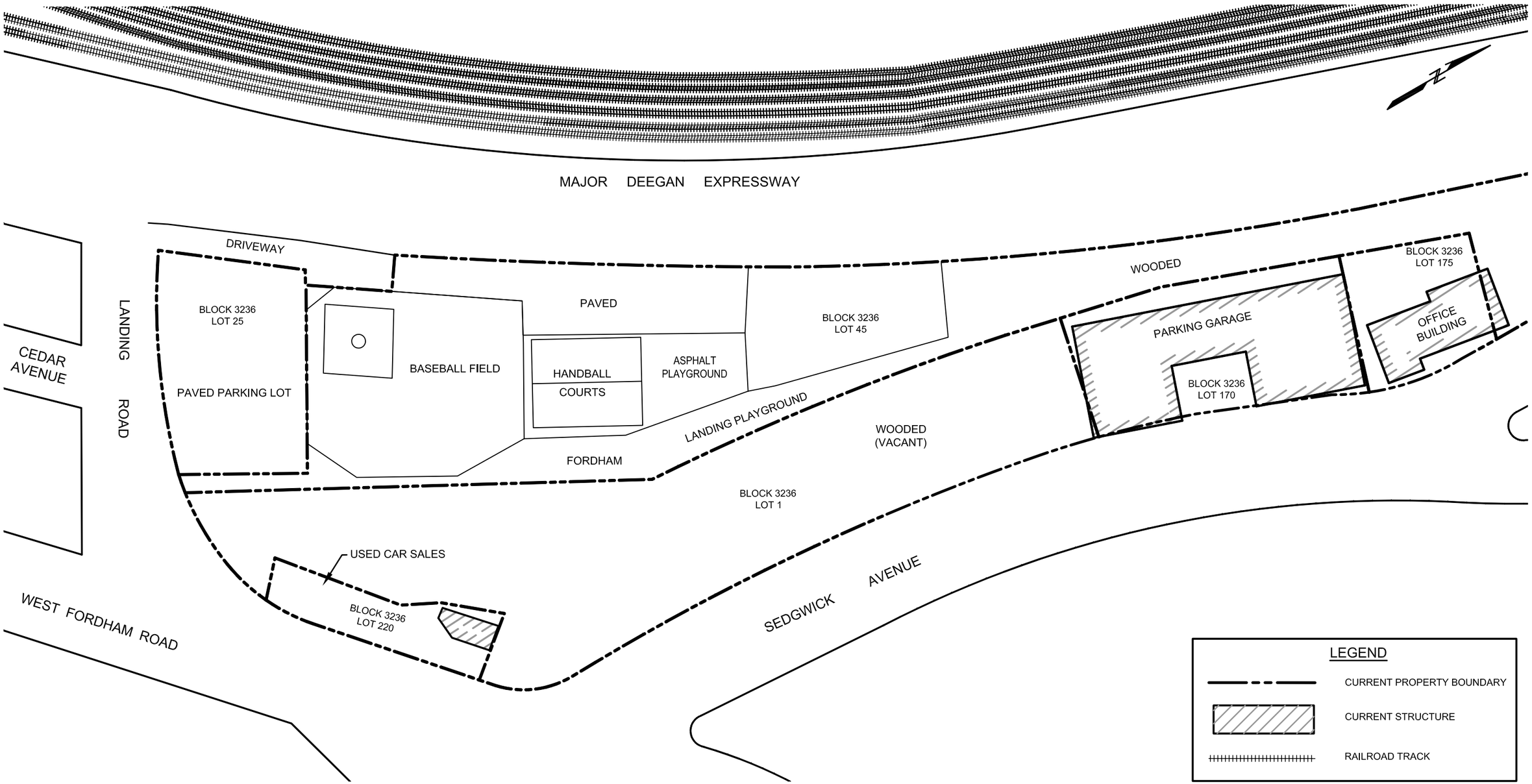
# Figures




SOURCE: Map created with TOPO! ® ©2001 National Geographic (www.nationalgeographic.com/topo)

| | | |
|---|---|---|
| KINGSBRIDGE STATION<br>BRONX, NEW YORK | GEI Consultants | SITE LOCATION MAP |
| CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.<br>NEW YORK, NEW YORK | Project 031510 | October 2004 Figure 1 |

CON_ED\CON_ED\KINGS\031510\REPORT\KING-LOC.CDR

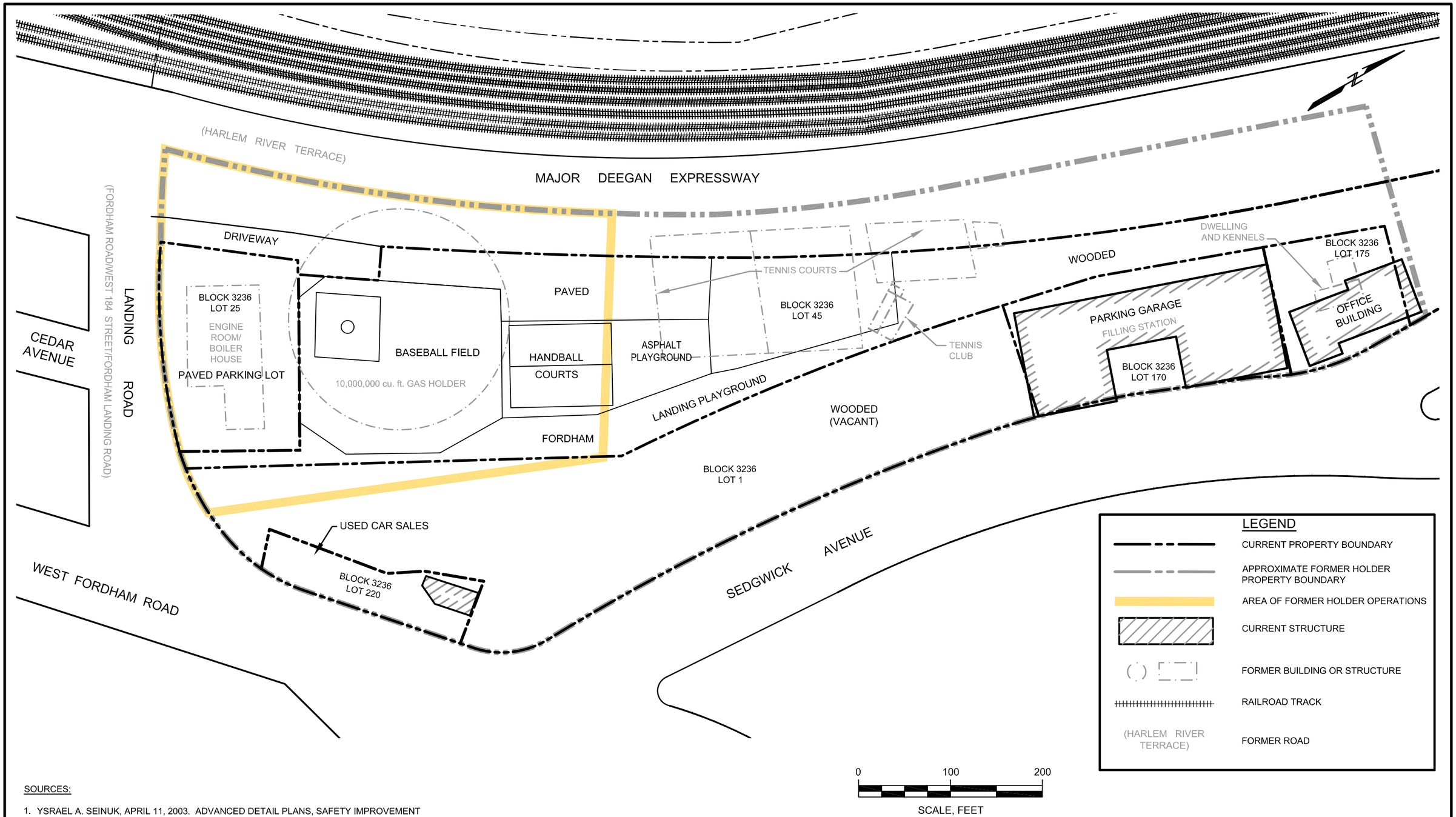



SOURCES:

1. YSRAEL A. SEINUK, APRIL 11, 2003. ADVANCED DETAIL PLANS, SAFETY IMPROVEMENT PROJECT, MAJOR DEEGAN EXPRESSWAY NORTHBOUND ENTRANCE RAMP AT WEST FORDHAM ROAD, BRONX, NEW YORK.
2. SANBORN FIRE INSURANCE MAPS DATED 1914, 1950, AND 1977. 1996 AERIAL PHOTOGRAPH, OPEN ACCESSIBLE SPACE INFORMATION SYSTEM COOPERATIVE (OASIS) WWW.OASISNYC.NET.
3. BRONX TAX ASSESSOR'S MAP.

| | | |
|---|---|---|
| KINGSBRIDGE STATION<br>BRONX, NEW YORK | GEI Consultants | **SITE LAYOUT MAP** |
| CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.<br>NEW YORK, NEW YORK | Project 031510 | October 2004 Figure 2 |

CON_ED\KINGS\031510\REPORT\KING-SITE-1

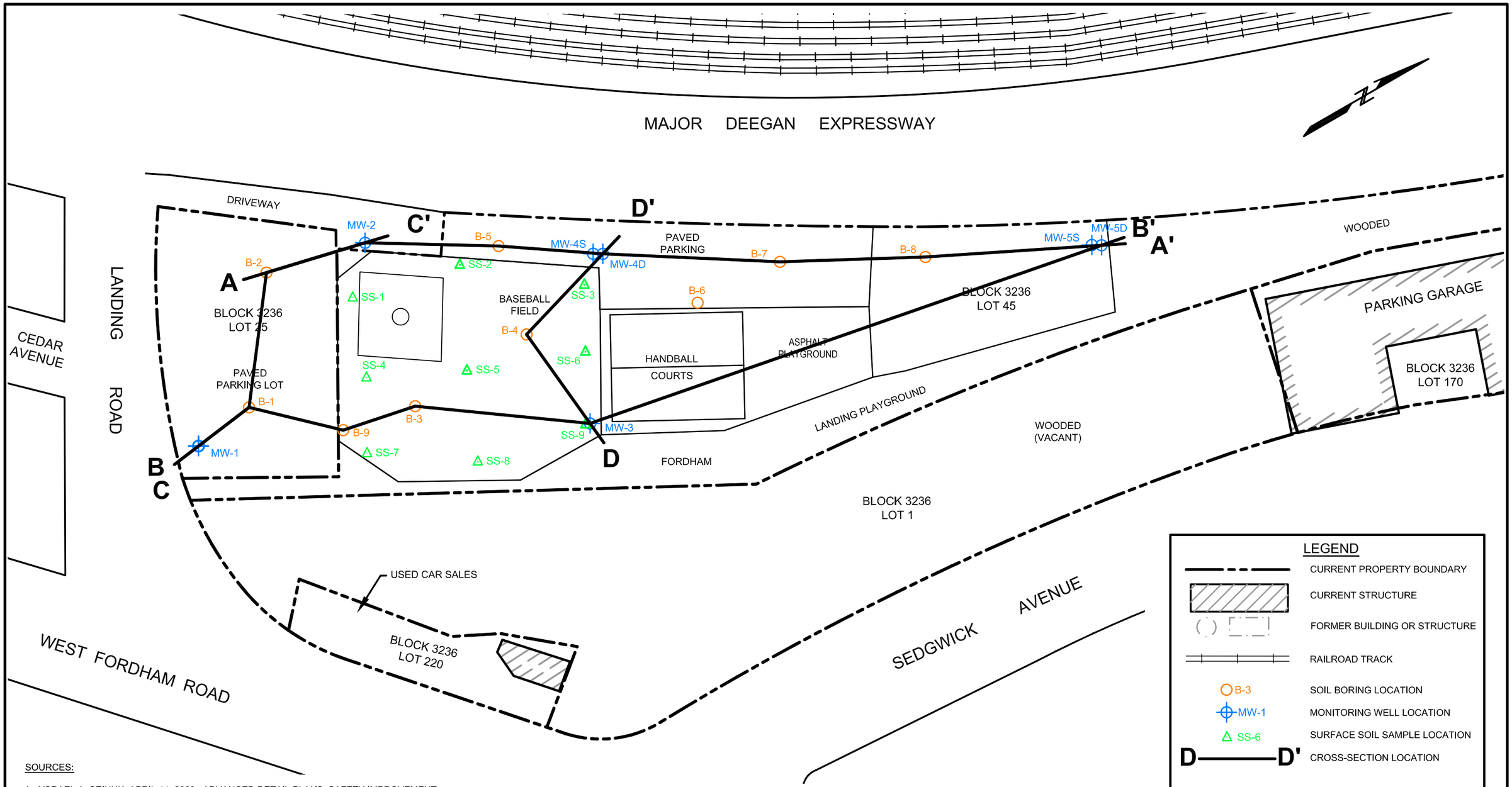



SOURCES:

1. YSRAEL A. SEINUK, APRIL 11, 2003. ADVANCED DETAIL PLANS, SAFETY IMPROVEMENT PROJECT, MAJOR DEEGAN EXPRESSWAY NORTHBOUND ENTRANCE RAMP AT WEST FORDHAM ROAD, BRONX, NEW YORK.
2. SANBORN FIRE INSURANCE MAPS DATED 1914, 1950, AND 1977. 1996 AERIAL PHOTOGRAPH, OPEN ACCESSIBLE SPACE INFORMATION SYSTEM COOPERATIVE (OASIS) WWW.OASISNYC.NET.
3. BRONX TAX ASSESSOR'S MAP.

| | | |
|---|---|---|
| KINGSBRIDGE STATION<br>BRONX, NEW YORK | GEI Consultants | **HISTORIC STRUCTURES AND CURRENT SITE LAYOUT** |
| CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.<br>NEW YORK, NEW YORK | Project 031510 | October 2004 Figure 3 |

CON_ED\KINGS\031510\REPORT\KING-SITE-1




SOURCES:

1. YSRAEL A. SEINUK, APRIL 11, 2003. ADVANCED DETAIL PLANS, SAFETY IMPROVEMENT PROJECT, MAJOR DEEGAN EXPRESSWAY NORTHBOUND ENTRANCE RAMP AT WEST FORDHAM ROAD, BRONX, NEW YORK.
2. SANBORN FIRE INSURANCE MAPS DATED 1914, 1950, AND 1977. 1996 AERIAL PHOTOGRAPH, OPEN ACCESSIBLE SPACE INFORMATION SYSTEM COOPERATIVE (OASIS) WWW.OASISNYC.NET.
3. BRONX TAX ASSESSOR'S MAP.

NOTE:
SURVEYED BY NEW YORK STATE-LICENSED LAND SURVEYOR No. 050146 ON 2/24/04. HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE, NORTH AMERICAN DATUM (NAD)83). VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD)88.

0 80 160.
SCALE, FEET

KINGSBRIDGE STATION
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NEW YORK, NEW YORK

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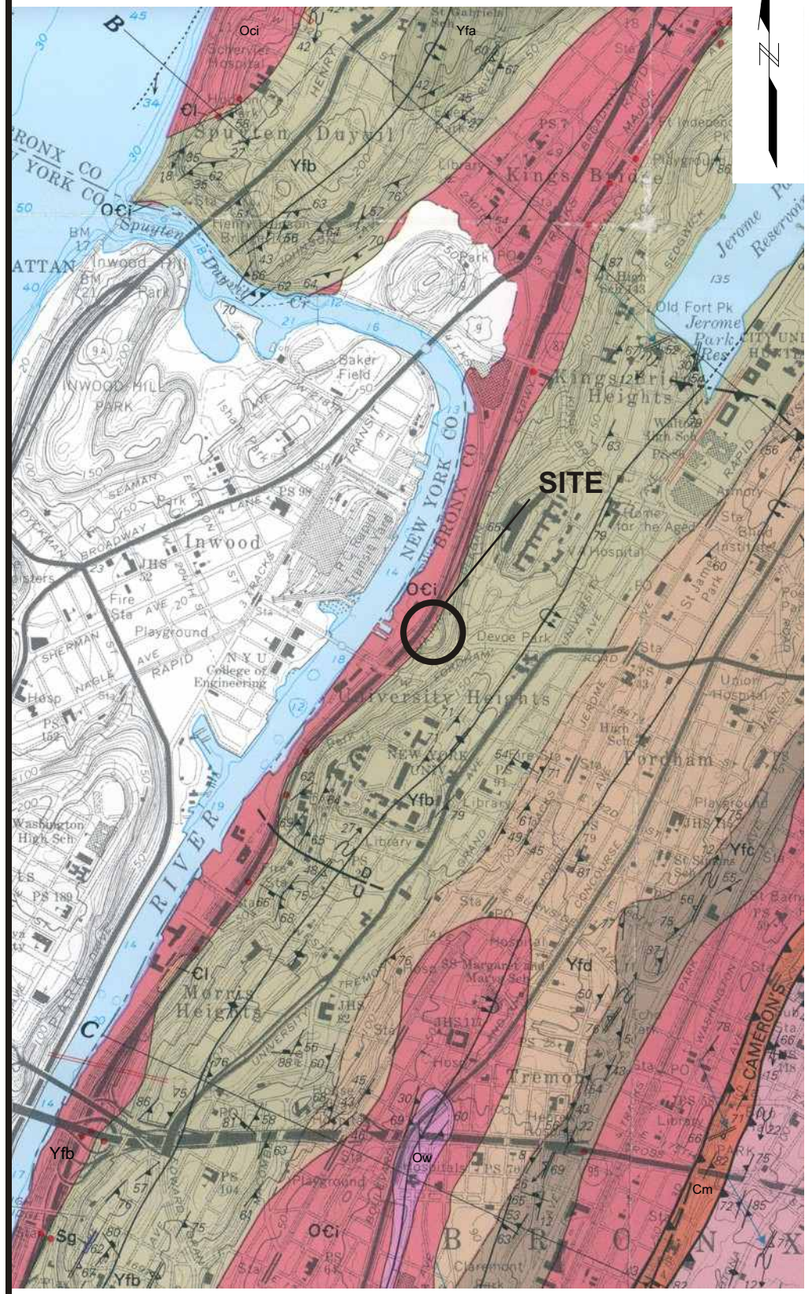
**SAMPLE LOCATIONS AND CROSS SECTION LOCATIONS**

October 2004 Figure 4

CON_ED\KINGS\031510\REPORT\KING-SAMP




## DESCRIPTION OF MAP UNITS

### ALLOCHTHONOUS UNIT—WEST OF CAMERON'S LINE

**Єm** **Manhattan Schist (Lower Cambrian)**—Gray, medium- to coarse-grained, layered sillimanite-muscovite-biotite-kyanite schist and gneiss interlayered with layered tourmaline-garnet-plagioclase-biotite-quartz schist and gneiss with black amphibolite layers 3 ft or more thick. Weathers gray, tan, rusty and maroon. The sillimanite occurs as lenses and nodules, commonly with kyanite, and also with magnetite or quartz. The sillimanite nodules average 0.8 in. in length. Unit locally contains interlayered thin quartz-mica-plagioclase-garnet granofels. Sparse garnet and (or) plagioclase porphyroblasts present; the garnets average 0.4 in. across. In places the foliation surfaces bear lustrous white mica having a gray metallic sheen. This unit generally has a local magnetic field that affects compass readings.

Unit is in thrust contact with the Walloomsac Formation, which can be seen in the railroad cut west of the Grand Concourse at E. 153d Street

### AUTOCHTHONOUS UNITS

**Ow** **Walloomsac Formation (Middle Ordovician)**—Gray, fissile, fine- to medium-grained plagioclase-garnet-muscovite-biotite-quartz schist. Outcrops generally are tan to rusty weathering, but in some places weather gray, dark gray or black. Typically, outcrops are slabby. Unit locally contains closely spaced garnet porphyroblasts that range from 0.2 to 0.4 in. across. Locally has layers of muscovite-plagioclase-quartz granofels and boudins of quartz-plagioclase-mica and garnet. Foliation may be thin and also wavelike due to kink folds. Thin (generally less than 1 ft) biotite-hornblende amphibolite is also present. Locally, much of the rock consists of muscovite. Near the base are layers of fine- to medium-grained bluish-white and white dolomitic and siliceous marble with diopside, phlogopite, and discontinuous tan- and rusty-weathering mica schist.

This unit is in thrust contact with the Manhattan Schist, which is above, and it overlies the Inwood Marble unconformably

**O€i** **Inwood Marble (Lower Ordovician to Lower Cambrian)**—Composed of the following units, whose distribution is not shown on the map because of poor exposure:

1. White, coarse-grained calcitic dolomite marble interlayered with bands of silicates (phlogopite, stretched granular quartz lenses, diopside, tremolite and actinolite) approximately 0.8–2.0 in. apart. Calcite and dolomite crystals average 0.3 in. across. Outcrop surfaces become coarsely sugar-textured and light to medium gray or tan on weathering;
2. Alternating bands of blue-gray medium-grained and white fine-grained calcite and dolomite marble. Brown phlogopite, tremolite and actinolite occur in variably spaced bands about 2 in. wide. In medium-grained rock, crystals of calcite and dolomite range from 0.08 to 0.4 in. across. In fine-grained rock, calcite crystals average 0.04–0.12 in. across. Weathers dark gray and tan. Develops fine sugary texture on weathering;
3. White and bluish-gray, predominantly fine-grained calcite marble with scattered dolomite and phlogopite crystals. Crystals range from less than 0.04 to 0.2 in. in diameter, with most being less than 0.12 in. across. Weathers medium gray with a fine, sugary-textured surface;
4. White, fine-grained dolomite marble with subordinate calcite and minor phlogopite. Grain size averages 0.12–0.16 in.

The Inwood Marble varies in thickness from about 100 ft to nearly 1000 ft. Its upper surface is in unconformable contact with the overlying Walloomsac Formation and its base is apparently conformable with the underlying Lowerre Quartzite, and unconformable with the Fordham Gneiss where the Lowerre is absent

**Yfd (Yfm)** Member D—Dark-gray to black hornblende-biotite gneiss and white quartz-plagioclase moderately banded gneiss, with thick (up to several feet) coarse-grained pegmatite and granite dikes and sills, some having partly digested xenoliths of banded gneiss. Thick (up to several feet), dull-black, very coarse-grained hornblende-biotite amphibolites with minor quartz are ubiquitous. In some places there are megacrystalline, white and sometimes pink granites, 6–12 ft thick. Locally, quartz-plagioclase granofels, black and white diorite-textured gneisses, and black and white wavy-banded gneisses are interlayered. The unit overall weathers black and light tan. Locally, rusty-weathering sulfidic schist is interlayered with the gneiss.

Interlayered siliceous, coarse-grained dolomites (Yfm) were found just east of the Jerome Avenue Rapid Transit yards and east to the Grand Concourse (Berkey, 1911)

**Yfc** Member C—Medium-gray, fine-grained quartz-biotite-plagioclase-muscovite schist interlayered with gray biotite-muscovite-quartz granofels. Some schist layers are thin and fissile. Intrusions of coarse white granite and granite pegmatite are common toward the contacts with adjacent rock units. Extensive plagioclase-biotite-hornblende amphibolite layers (up to several feet thick) are common. Amphibolites are black; in some places are rusty weathering. Granofels surfaces weather to a sandy texture and locally are slabby and black weathering. The unit overall may weather black, tan and locally maroon or dark gray

**Yfb** Member B—Complex, black and white banded gneiss; bands are generally 0.04–0.12 in. wide. Black bands are composed of quartz, plagioclase and biotite; white bands consist of garnet, quartz, plagioclase, muscovite and microcline. Broader bands in this gneiss are up to 2 in. wide and contain numerous interspersed laminae 0.04 in. thick. Unit contains quartz-feldspar veins approximately 4.7 in. thick and boudin-like structures approximately 9 in. wide and about 3 ft long. The boudins contain almandine and grossular garnet, quartz and biotite. Garnetiferous inclusions of this composition have been observed in tunnel excavations through this unit (Baskerville and others, 1987). Similar garnetiferous inclusions have been observed in the Ravenswood Granodiorite (Ziegler, 1911).

Where the amount of granite (narrow white bands) is low, the unit appears dark gray and pinstriped; where the granite content exceeds 50 percent (wider white bands), the rock appears light gray and broadly banded. Locally, tan- and rusty-weathering biotite-hornblende gneiss is interlayered.

A coarse-grained siliceous dolomite (Yfm) was found to be interlayered with this unit in the Jerome Park Reservoir excavation (Berkey, 1911; Manchester, 1931). The dolomite is not shown on the map due to the uncertainty of its exact location

**Yfa** Member A—Pinkish-white to salmon-red and medium-gray banded muscovite-biotite-plagioclase-microcline-quartz gneiss. Forms an aureole around the Yonkers Gneiss. Crosscutting and concordant pegmatites consisting of pink potassium feldspar and quartz are common in Van Cortlandt Park. Unit derived its present composition probably when the Yonkers Gneiss intruded the Fordham Gneiss, which allowed some magmatic gases and liquid to permeate the Fordham surrounding the intrusion. Local weathering of less-resistant darker biotite-rich bands leaves granitic bands in relief.

A coarse-grained siliceous dolomite (Yfm) interlayered with this unit extends from the north end of Hell Gate in the East River northward to about E. 136th Street. Fluhr (1969), stating that Berkey considered the marble in the east or Hell Gate channel of the East River to be interbedded with the Fordham Gneiss, named it Hell Gate Dolomite. Fluhr in the same report considered the marble to be an infold of the Inwood Marble. In this report this marble is considered to be a part of the Fordham Gneiss

## EXPLANATION OF MAP SYMBOLS

**Contact**—Dashed where approximately located; dotted where under water; queried where uncertain. Where shown solid under water, was located by test borings and tunnel data

30 U D **Fault**—Showing dip; short line normal to fault trace indicates vertical dip; paired arrows show relative movement; U, upthrown side; D, downthrown side. Dashed where approximately located; dotted where under water. Where observed in tunnels is shown solid. On cross sections only, relative movement is shown by: a, away from observer; t, toward observer

**Thrust fault**—Sawteeth on upper plate. Dashed where approximately located; dotted where under water. Where observed in tunnels is shown solid. Shows dip where known

### FOLDS

Folds show trace of axial surface. They are dashed where approximately located; dotted where under water

**Antiform**—Showing direction of plunge where known. Where asymmetric, shorter arrow indicates steeper limb

### MINOR FOLDS

**Strike and dip of axial surface of folds**

10 15 Inclined—Arrow, where shown, indicates bearing and plunge of axis

Vertical

12 **Minor fold deforming earlier foliation**—Showing bearing and plunge

### PLANAR FEATURES

May be combined with linear features. Shown open where measured in excavations and tunnels

| Strike and dip of foliation | Strike and dip of joints |
|---|---|
| 15 Inclined | 15 Inclined |
| Vertical | Vertical |
| | Horizontal |

SOURCE:

BEDROCK AND ENGINEERING GEOLOGIC MAPS OF BRONX COUNTY AND PARTS OF NEW YORK AND QUEENS COUNTIES, NEW YORK, BY CHARLES A. BASKERVILLE, 1992.

SCALE 1:24 000

1 ½ 0 1 MILE

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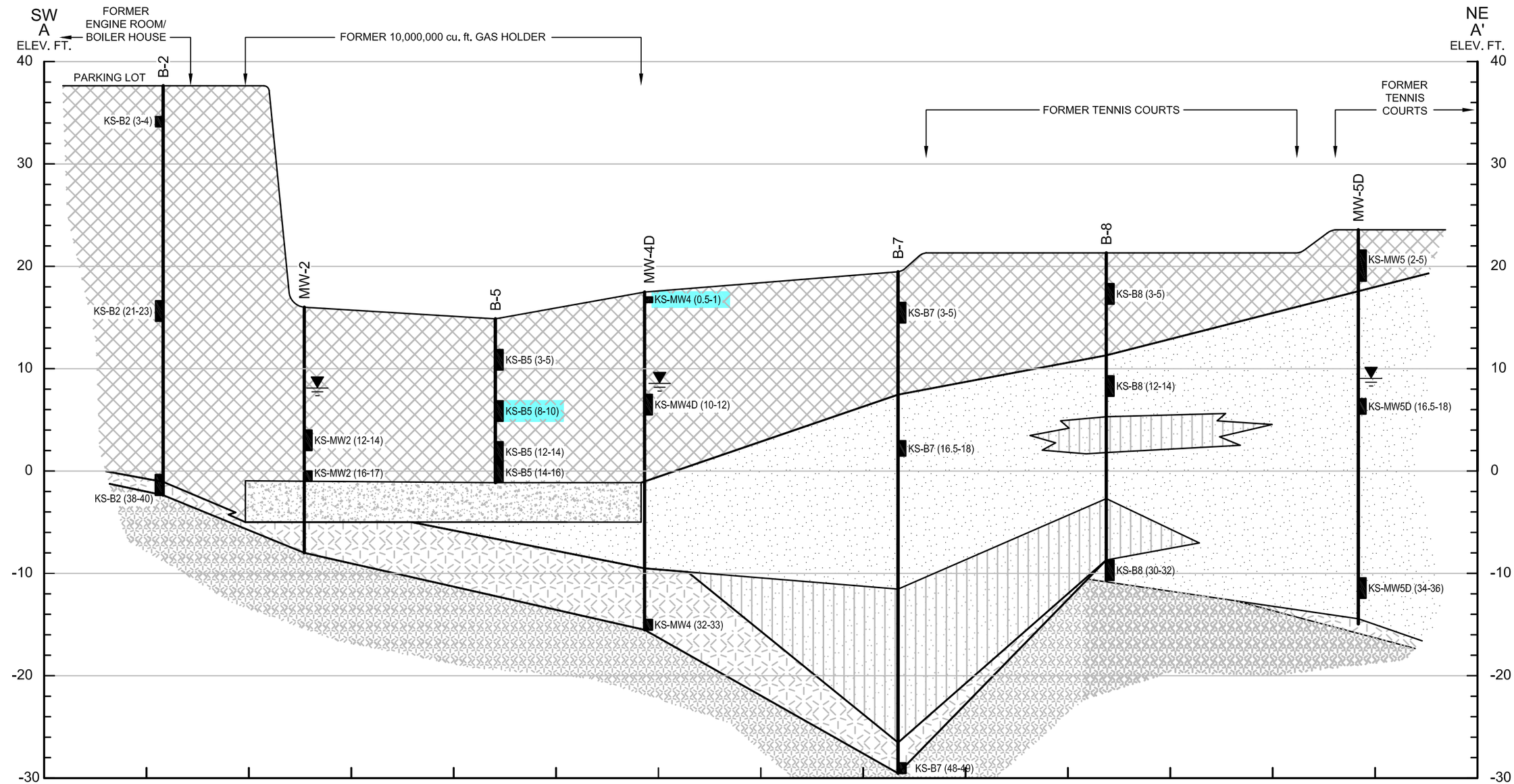
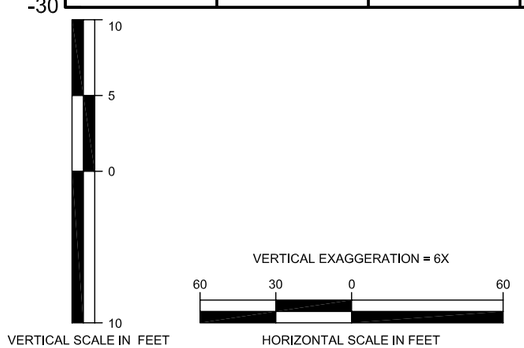
Project 031510

**BEDROCK GEOLOGY MAP**

October 2004 Figure 5

CON_ED\KINGS\031510\REPORT\KING-BED_GEO.CDR



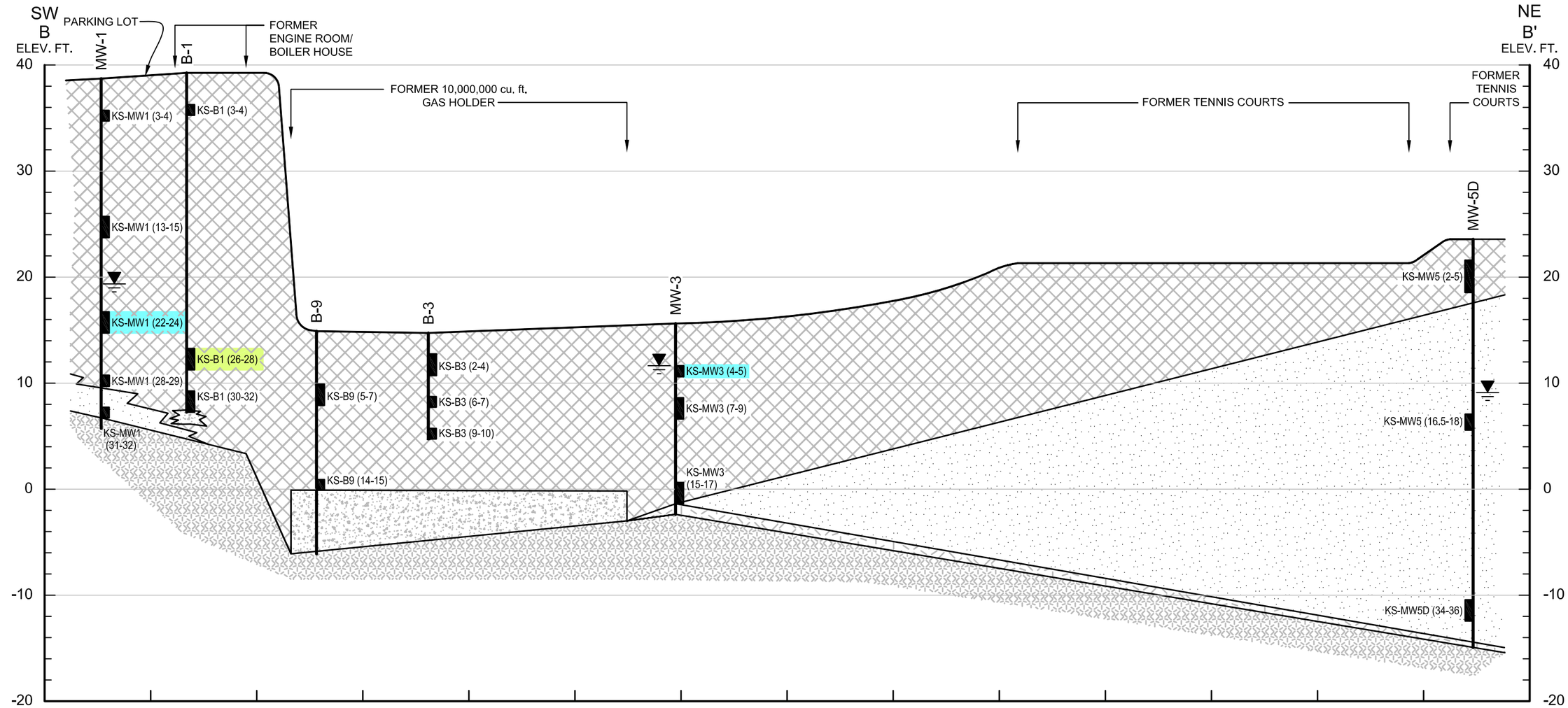

## LEGEND

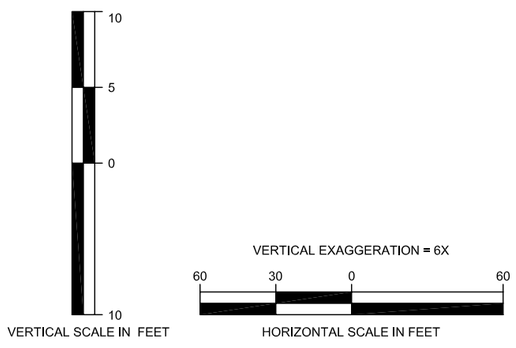
- FILL
- CONCRETE
- FINE TO COARSE SAND (GLACIAL)
- CLAY AND SILT (GLACIAL)
- WEATHERED BEDROCK
- BEDROCK
- HYDROCARBON STAINING AND/OR SHEEN
- HYDROCARBON ODORS
- CONTACT
- MW-1 — SOIL BORING OR MONITORING WELL IDENTIFICATION
- OBSERVED APPARENT GROUNDWATER TABLE
- ANALYTICAL SOIL SAMPLE INTERVAL

***NOTE:***
SURVEYED BY NEW YORK STATE LICENSED SURVEYOR NO. 050146 ON 2/24/04. HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE, NORTH AMERICAN DATUM (NAD) 83). VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD) 88.

| | | |
|---|---|---|
| KINGSBRIDGE STATION<br>BRONX, NEW YORK | GEI Consultants | **GEOLOGIC CROSS SECTION A-A'** |
| CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.<br>NEW YORK, NEW YORK | Project 031510 | October 2004 — Figure 6 |

CON_ED\KINGS\031510\REPORT\KING-XSECT



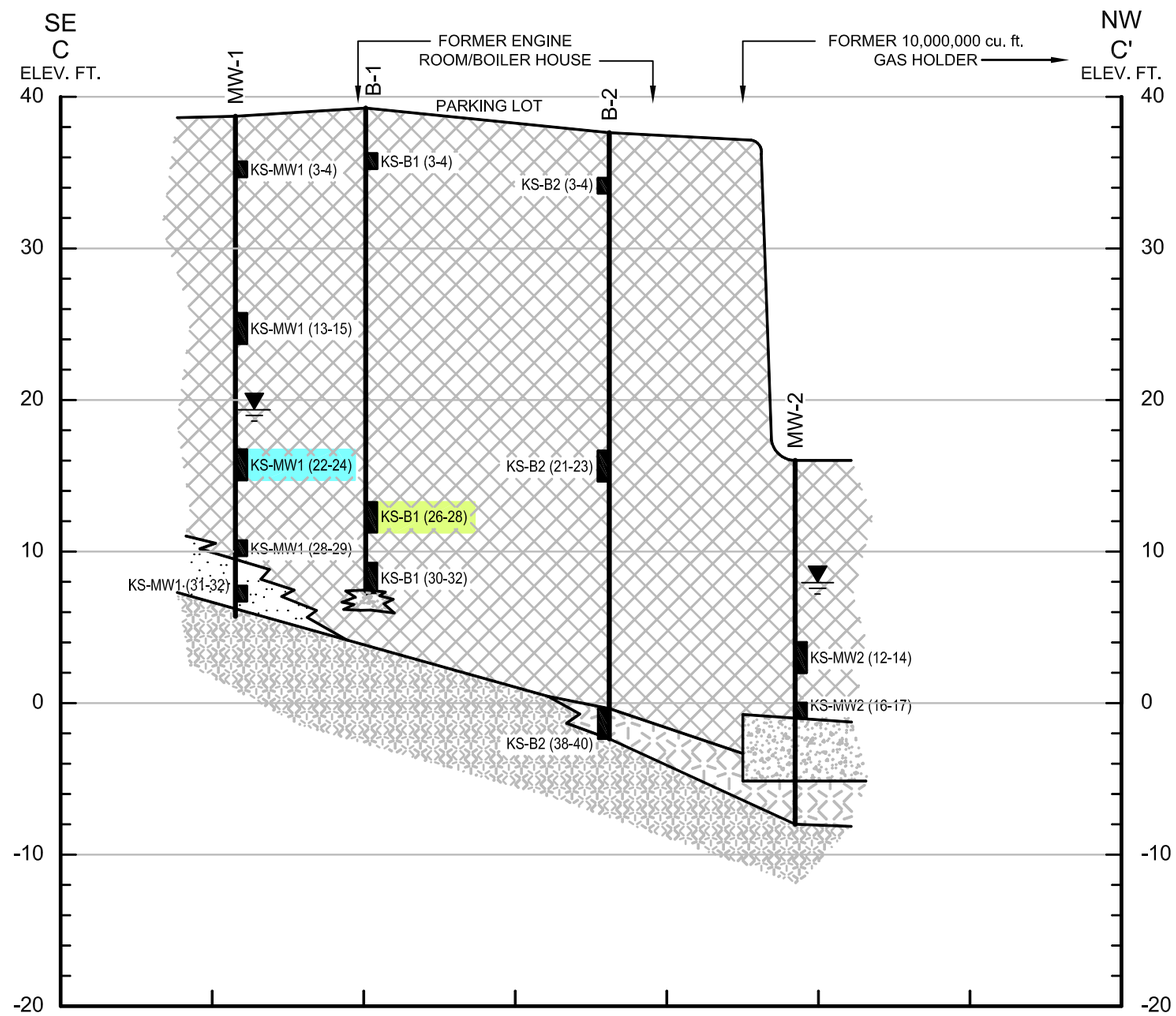

## LEGEND

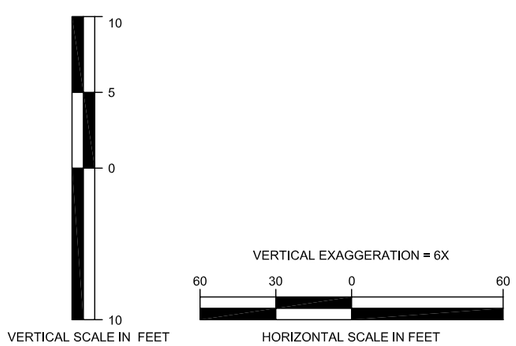
- FILL
- CONCRETE
- FINE TO COARSE SAND (GLACIAL)
- CLAY AND SILT (GLACIAL)
- WEATHERED BEDROCK
- BEDROCK
- HYDROCARBON STAINING AND/OR SHEEN
- HYDROCARBON ODORS
- CONTACT
- MW-1 — SOIL BORING OR MONITORING WELL IDENTIFICATION
- OBSERVED APPARENT GROUNDWATER TABLE
- ANALYTICAL SOIL SAMPLE INTERVAL

***NOTE:***
SURVEYED BY NEW YORK STATE LICENSED SURVEYOR NO. 050146 ON 2/24/04. HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE, NORTH AMERICAN DATUM (NAD) 83). VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD) 88.

| | | |
|---|---|---|
| KINGSBRIDGE STATION<br>BRONX, NEW YORK | GEI Consultants | **GEOLOGIC CROSS SECTION B-B'** |
| CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.<br>NEW YORK, NEW YORK | Project 031510 | October 2004 Figure 7 |

CON_ED\KINGS\031510\REPORT\KING-XSECT



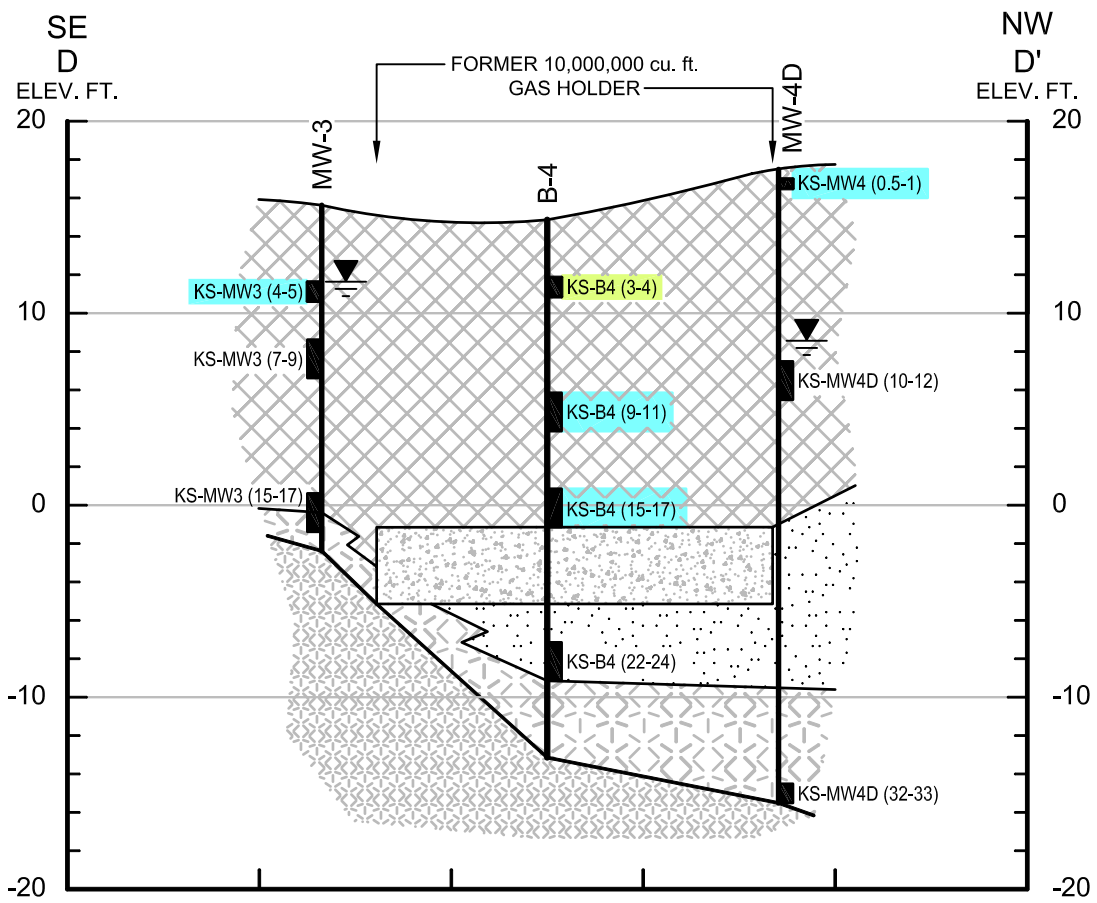

## LEGEND

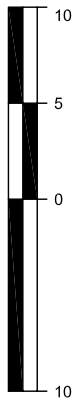
- FILL
- CONCRETE
- FINE TO COARSE SAND (GLACIAL)
- CLAY AND SILT (GLACIAL)
- WEATHERED BEDROCK
- BEDROCK
- HYDROCARBON STAINING AND/OR SHEEN
- HYDROCARBON ODORS
- CONTACT
- MW-1 — SOIL BORING OR MONITORING WELL IDENTIFICATION
- OBSERVED APPARENT GROUNDWATER TABLE
- ANALYTICAL SOIL SAMPLE INTERVAL

***NOTE:***
SURVEYED BY NEW YORK STATE LICENSED SURVEYOR NO. 050146 ON 2/24/04. HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE, NORTH AMERICAN DATUM (NAD) 83). VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD) 88.

| | | |
|---|---|---|
| KINGSBRIDGE STATION<br>BRONX, NEW YORK | GEI Consultants | **GEOLOGIC CROSS SECTION C-C'** |
| CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.<br>NEW YORK, NEW YORK | Project 031510 | October 2004 — Figure 8 |

CON_ED\KINGS\031510\REPORT\KING-XSECT




VERTICAL SCALE IN FEET

HORIZONTAL SCALE IN FEET

VERTICAL EXAGGERATION = 6X

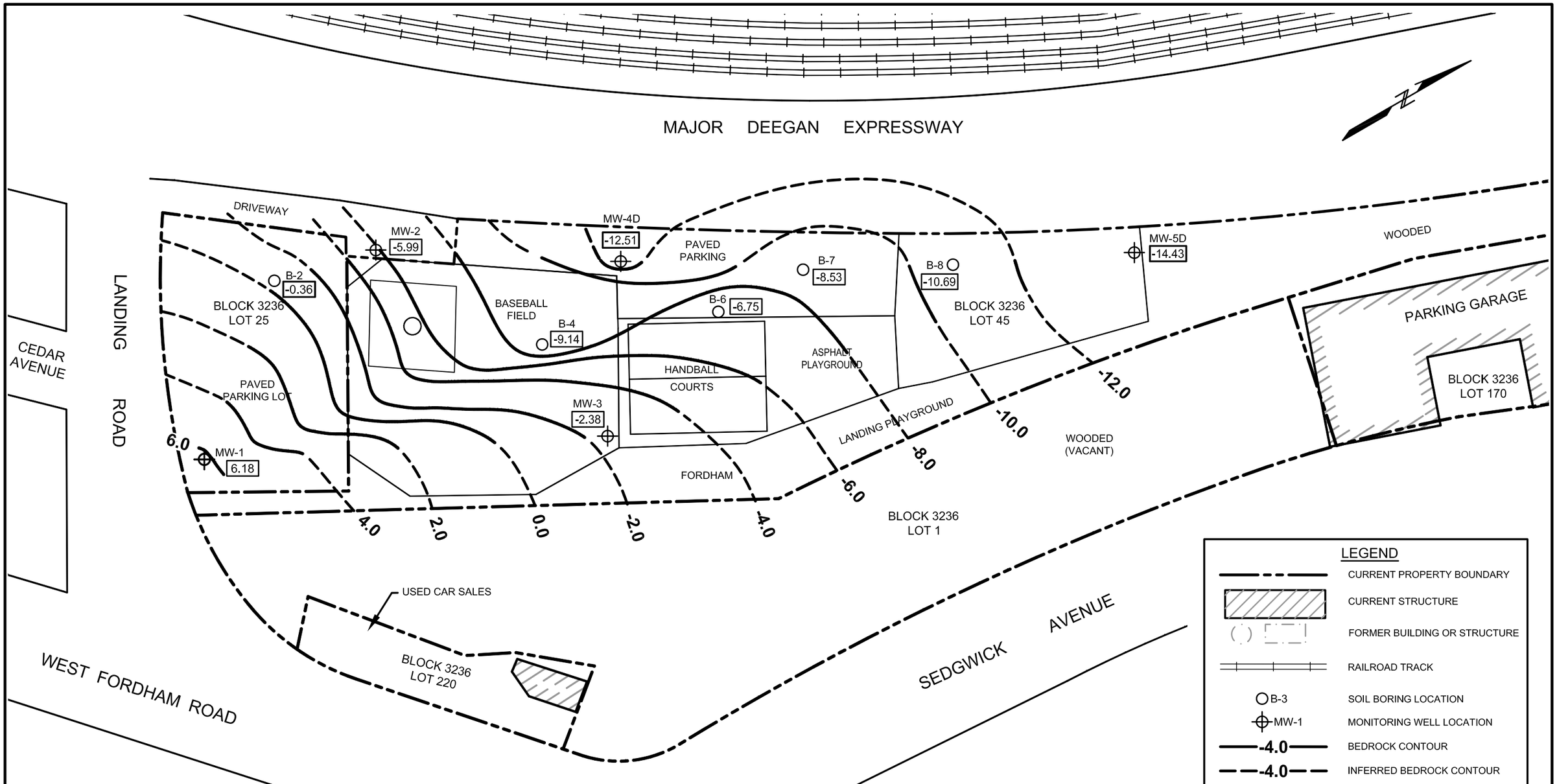
## LEGEND

- FILL
- CONCRETE
- FINE TO COARSE SAND (GLACIAL)
- CLAY AND SILT (GLACIAL)
- WEATHERED BEDROCK
- BEDROCK
- HYDROCARBON STAINING AND/OR SHEEN
- HYDROCARBON ODORS
- CONTACT
- MW-1 — SOIL BORING OR MONITORING WELL IDENTIFICATION
- OBSERVED APPARENT GROUNDWATER TABLE
- ANALYTICAL SOIL SAMPLE INTERVAL

***NOTE:***
SURVEYED BY NEW YORK STATE LICENSED SURVEYOR NO. 050146 ON 2/24/04. HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE, NORTH AMERICAN DATUM (NAD) 83). VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD) 88.

| | | |
|---|---|---|
| KINGSBRIDGE STATION<br>BRONX, NEW YORK | GEI Consultants | **GEOLOGIC CROSS SECTION D-D'** |
| CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.<br>NEW YORK, NEW YORK | Project 031510 | October 2004 Figure 9 |

CON_ED\KINGS\031510\REPORT\KING-XSECT



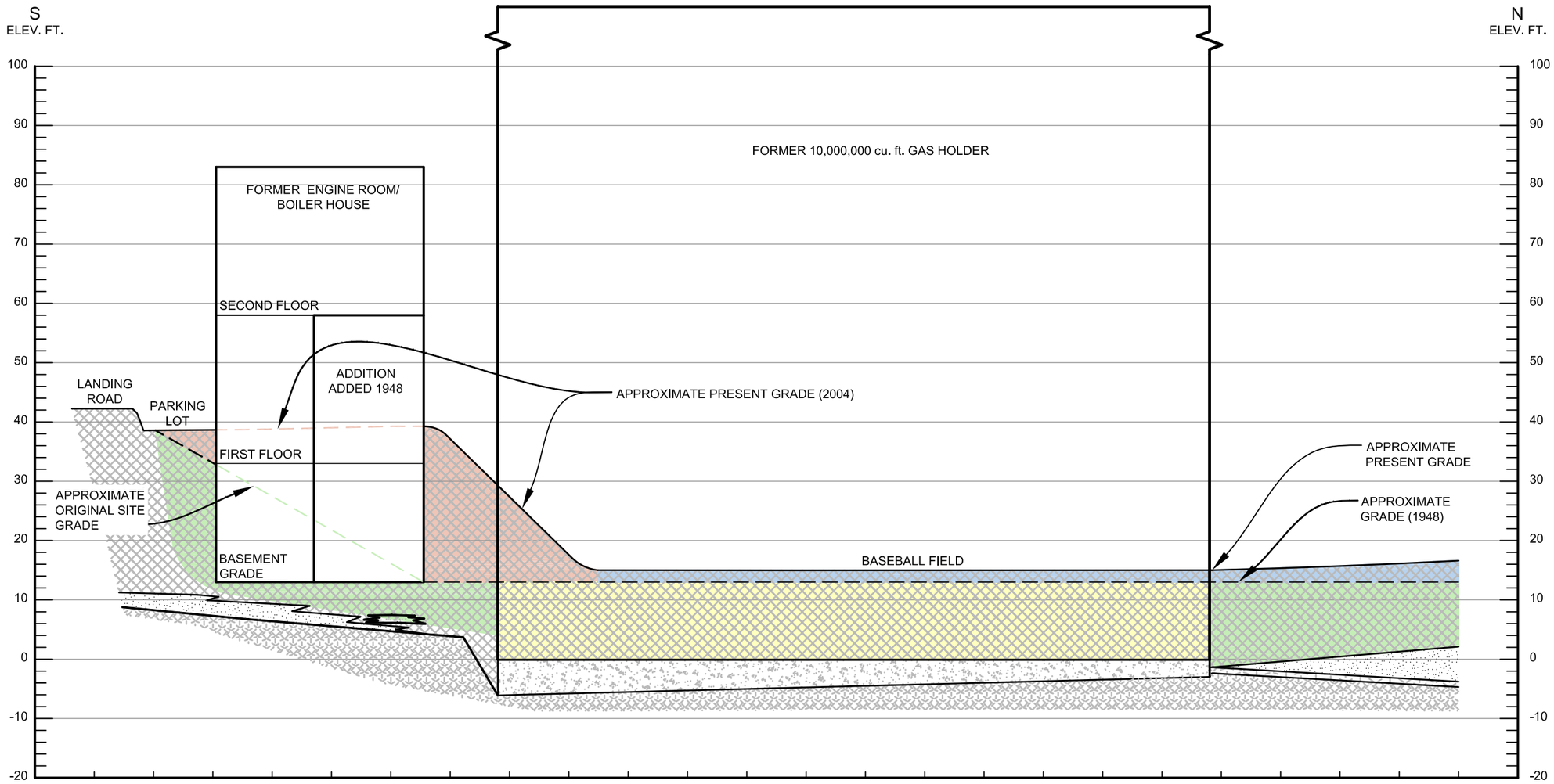

SOURCES:

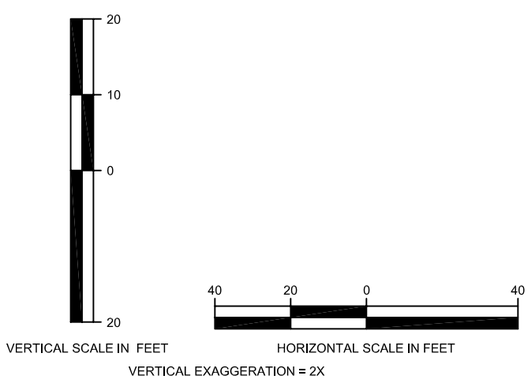
1. YSRAEL A. SEINUK, APRIL 11, 2003. ADVANCED DETAIL PLANS, SAFETY IMPROVEMENT PROJECT, MAJOR DEEGAN EXPRESSWAY NORTHBOUND ENTRANCE RAMP AT WEST FORDHAM ROAD, BRONX, NEW YORK.
2. SANBORN FIRE INSURANCE MAPS DATED 1914, 1950, AND 1977. 1996 AERIAL PHOTOGRAPH, OPEN ACCESSIBLE SPACE INFORMATION SYSTEM COOPERATIVE (OASIS) WWW.OASISNYC.NET.
3. BRONX TAX ASSESSOR'S MAP.

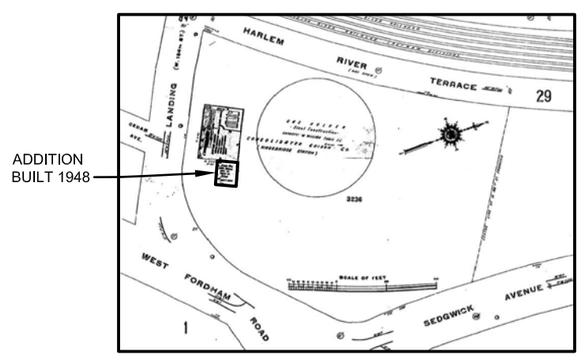
NOTE:
SURVEYED BY NEW YORK STATE-LICENSED LAND SURVEYOR No. 050146 ON 2/24/04. HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE, NORTH AMERICAN DATUM (NAD)83). VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD)88.

| | | |
|---|---|---|
| KINGSBRIDGE STATION<br>BRONX, NEW YORK | GEI Consultants | **BEDROCK CONTOUR MAP** |
| CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.<br>NEW YORK, NEW YORK | Project 031510 | October 2004 Figure 10 |

CON_ED\KINGS\031510\REPORT\KING-BEDROCK




**1950 SANBORN FIRE INSURANCE MAP**

## LEGEND

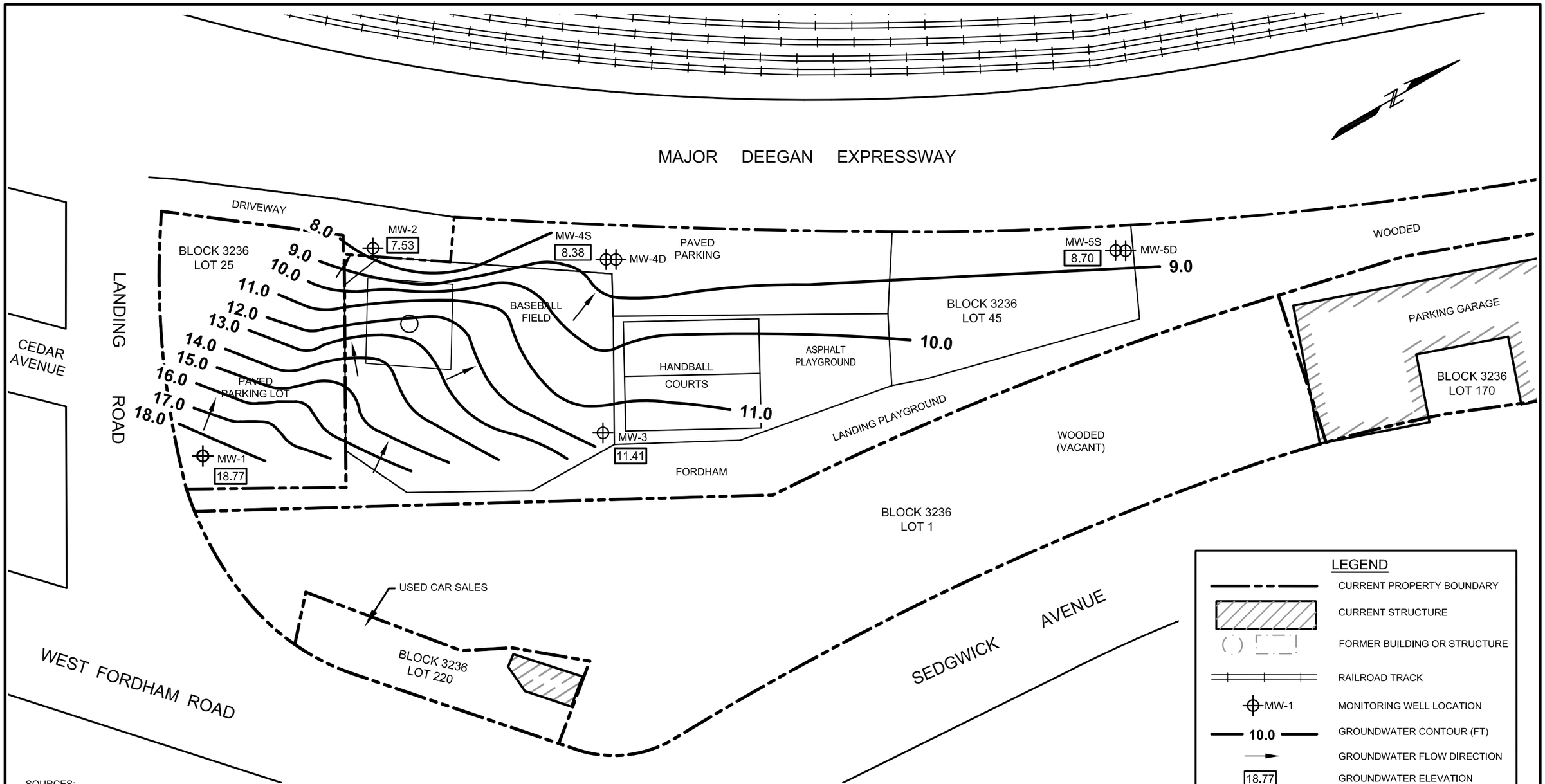
- CONTACT
- FILL
- CONCRETE
- FINE TO COARSE SAND (GLACIAL)
- CLAY AND SILT (GLACIAL)
- WEATHERED BEDROCK
- BEDROCK
- FILL: POST BALL FIELD REGRADING (CIRCA 1996)
- FILL: POST BUILDING DEMOLITION (CIRCA 1986)
- FILL: POST GAS HOLDER DEMOLITION (CIRCA 1950)
- FILL: (CIRCA 1910)

REFERENCES:

1. CONSOLIDATED EDISON CO.
   PLANS, ELEVATIONS & SECTIONS EXTENSION TO COMPRESSOR HOUSE
   PLAN #105849-2 (1947).
2. CITY OF NEW YORK PARKS & RECREATION
   PLANS, GRADING, DRAINAGE & WATER LINES
   BRONX BUILDING DEPARTMENT PLAN #200375780 (1996).

| | | |
|---|---|---|
| KINGSBRIDGE STATION<br>BRONX, NEW YORK | GEI Consultants | **HISTORIC SITE TOPOGRAPHY** |
| CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.<br>NEW YORK, NEW YORK | Project 031510 | October 2004 Figure 11 |

CON_ED\KINGS\031510\REPORT\KING-SECTION DETAIL



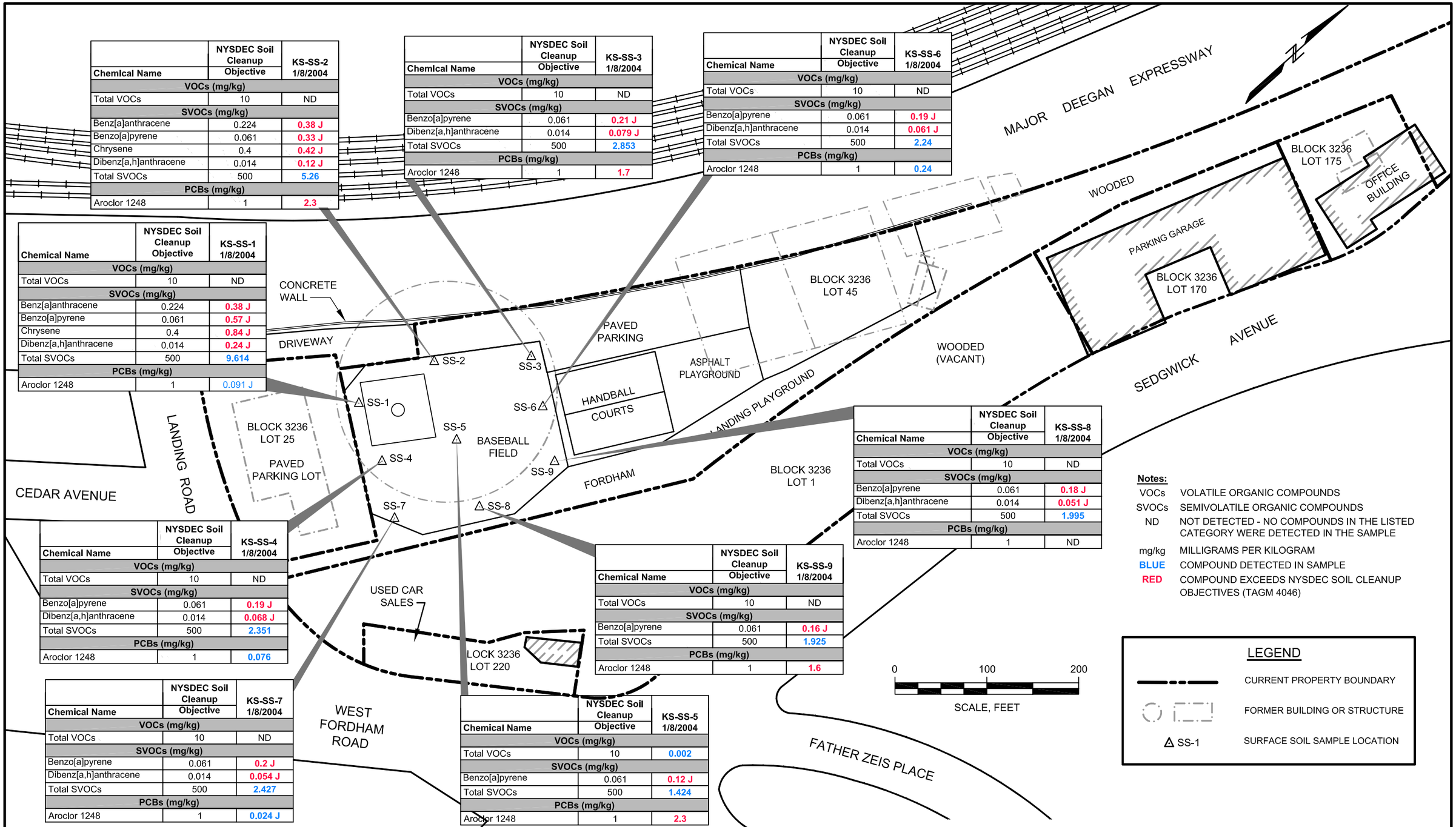

SOURCES:

1. YSRAEL A. SEINUK, APRIL 11, 2003. ADVANCED DETAIL PLANS, SAFETY IMPROVEMENT PROJECT, MAJOR DEEGAN EXPRESSWAY NORTHBOUND ENTRANCE RAMP AT WEST FORDHAM ROAD, BRONX, NEW YORK.
2. SANBORN FIRE INSURANCE MAPS DATED 1914, 1950, AND 1977. 1996 AERIAL PHOTOGRAPH, OPEN ACCESSIBLE SPACE INFORMATION SYSTEM COOPERATIVE (OASIS) WWW.OASISNYC.NET.
3. BRONX TAX ASSESSOR'S MAP.

NOTE:
SURVEYED BY NEW YORK STATE-LICENSED LAND SURVEYOR No. 050146 ON 2/24/04. HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (EAST ZONE, NORTH AMERICAN DATUM (NAD)83). VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD)88.

| | | |
|---|---|---|
| KINGSBRIDGE STATION<br>BRONX, NEW YORK | GEI Consultants | **GROUNDWATER CONTOURS AND FLOW DIRECTION** |
| CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.<br>NEW YORK, NEW YORK | Project 031510 | October 2004 Figure 12 |

CON_ED\KINGS\031510\REPORT\KING-GW CONT




| Chemical Name | NYSDEC Soil Cleanup Objective | KS-SS-2 1/8/2004 |
|---|---|---|
| **VOCs (mg/kg)** | | |
| Total VOCs | 10 | ND |
| **SVOCs (mg/kg)** | | |
| Benz[a]anthracene | 0.224 | 0.38 J |
| Benzo[a]pyrene | 0.061 | 0.33 J |
| Chrysene | 0.4 | 0.42 J |
| Dibenz[a,h]anthracene | 0.014 | 0.12 J |
| Total SVOCs | 500 | 5.26 |
| **PCBs (mg/kg)** | | |
| Aroclor 1248 | 1 | 2.3 |

| Chemical Name | NYSDEC Soil Cleanup Objective | KS-SS-3 1/8/2004 |
|---|---|---|
| **VOCs (mg/kg)** | | |
| Total VOCs | 10 | ND |
| **SVOCs (mg/kg)** | | |
| Benzo[a]pyrene | 0.061 | 0.21 J |
| Dibenz[a,h]anthracene | 0.014 | 0.079 J |
| Total SVOCs | 500 | 2.853 |
| **PCBs (mg/kg)** | | |
| Aroclor 1248 | 1 | 1.7 |

| Chemical Name | NYSDEC Soil Cleanup Objective | KS-SS-6 1/8/2004 |
|---|---|---|
| **VOCs (mg/kg)** | | |
| Total VOCs | 10 | ND |
| **SVOCs (mg/kg)** | | |
| Benzo[a]pyrene | 0.061 | 0.19 J |
| Dibenz[a,h]anthracene | 0.014 | 0.061 J |
| Total SVOCs | 500 | 2.24 |
| **PCBs (mg/kg)** | | |
| Aroclor 1248 | 1 | 0.24 |

| Chemical Name | NYSDEC Soil Cleanup Objective | KS-SS-1 1/8/2004 |
|---|---|---|
| **VOCs (mg/kg)** | | |
| Total VOCs | 10 | ND |
| **SVOCs (mg/kg)** | | |
| Benz[a]anthracene | 0.224 | 0.38 J |
| Benzo[a]pyrene | 0.061 | 0.57 J |
| Chrysene | 0.4 | 0.84 J |
| Dibenz[a,h]anthracene | 0.014 | 0.24 J |
| Total SVOCs | 500 | 9.614 |
| **PCBs (mg/kg)** | | |
| Aroclor 1248 | 1 | 0.091 J |

| Chemical Name | NYSDEC Soil Cleanup Objective | KS-SS-8 1/8/2004 |
|---|---|---|
| **VOCs (mg/kg)** | | |
| Total VOCs | 10 | ND |
| **SVOCs (mg/kg)** | | |
| Benzo[a]pyrene | 0.061 | 0.18 J |
| Dibenz[a,h]anthracene | 0.014 | 0.051 J |
| Total SVOCs | 500 | 1.995 |
| **PCBs (mg/kg)** | | |
| Aroclor 1248 | 1 | ND |

| Chemical Name | NYSDEC Soil Cleanup Objective | KS-SS-4 1/8/2004 |
|---|---|---|
| **VOCs (mg/kg)** | | |
| Total VOCs | 10 | ND |
| **SVOCs (mg/kg)** | | |
| Benzo[a]pyrene | 0.061 | 0.19 J |
| Dibenz[a,h]anthracene | 0.014 | 0.068 J |
| Total SVOCs | 500 | 2.351 |
| **PCBs (mg/kg)** | | |
| Aroclor 1248 | 1 | 0.076 |

| Chemical Name | NYSDEC Soil Cleanup Objective | KS-SS-9 1/8/2004 |
|---|---|---|
| **VOCs (mg/kg)** | | |
| Total VOCs | 10 | ND |
| **SVOCs (mg/kg)** | | |
| Benzo[a]pyrene | 0.061 | 0.16 J |
| Total SVOCs | 500 | 1.925 |
| **PCBs (mg/kg)** | | |
| Aroclor 1248 | 1 | 1.6 |

| Chemical Name | NYSDEC Soil Cleanup Objective | KS-SS-7 1/8/2004 |
|---|---|---|
| **VOCs (mg/kg)** | | |
| Total VOCs | 10 | ND |
| **SVOCs (mg/kg)** | | |
| Benzo[a]pyrene | 0.061 | 0.2 J |
| Dibenz[a,h]anthracene | 0.014 | 0.054 J |
| Total SVOCs | 500 | 2.427 |
| **PCBs (mg/kg)** | | |
| Aroclor 1248 | 1 | 0.024 J |

| Chemical Name | NYSDEC Soil Cleanup Objective | KS-SS-5 1/8/2004 |
|---|---|---|
| **VOCs (mg/kg)** | | |
| Total VOCs | 10 | 0.002 |
| **SVOCs (mg/kg)** | | |
| Benzo[a]pyrene | 0.061 | 0.12 J |
| Total SVOCs | 500 | 1.424 |
| **PCBs (mg/kg)** | | |
| Aroclor 1248 | 1 | 2.3 |

**Notes:**

| | |
|---|---|
| VOCs | VOLATILE ORGANIC COMPOUNDS |
| SVOCs | SEMIVOLATILE ORGANIC COMPOUNDS |
| ND | NOT DETECTED - NO COMPOUNDS IN THE LISTED CATEGORY WERE DETECTED IN THE SAMPLE |
| mg/kg | MILLIGRAMS PER KILOGRAM |
| BLUE | COMPOUND DETECTED IN SAMPLE |
| RED | COMPOUND EXCEEDS NYSDEC SOIL CLEANUP OBJECTIVES (TAGM 4046) |

**LEGEND**

| | |
|---|---|
| | CURRENT PROPERTY BOUNDARY |
| | FORMER BUILDING OR STRUCTURE |
| △ SS-1 | SURFACE SOIL SAMPLE LOCATION |

SOURCES:
SANBORN FIRE INSURANCE MAPS DATED 1914, 1950, AND 1977.
1996 AERIAL PHOTOGRAPH, OPEN ACCESSIBLE SPACE INFORMATION SYSTEM COOPERATIVE (OASIS) WWW.OASISNYC.NET.
BRONX TAX ASSESSOR'S MAP.

KINGSBRIDGE STATION
BRONX, NEW YORK

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
NEW YORK, NEW YORK

GEI Consultants

Project 031510

**SURFACE SOIL ANALYTICAL DATA**

October 2004 Figure 13

CON_ED\KINGS\031510\REPORT\KING-SURF ANAL

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-B-5 (3-5) 1/13/2004 | KS-B-5 (8-10) 1/19/2004 | KS-B-5A (12-14) 1/21/2004 | KS-B-5 (14-16) 1/19/2004 |
|---|---|---|---|---|---|
| VOCs (mg/kg) | | | | | |
| Total VOCs | 10 | 0.045 | 0.015 | 0.006 | 0.0117 |
| SVOCs (mg/kg) | | | | | |
| Benz[a]anthracene | 0.224 | 0.77 J | 14 | 1.6 | 1.7 |
| Benzo[a]pyrene | 0.061 | 0.61 J | 11 | 1.3 | 1.6 |
| Benzo[b]fluoranthene | 1.1 | NE | 11 | NE | 1.4 |
| Benzo[k]fluoranthene | 1.1 | NE | 9.1 J | 1.3 | 1.5 J |
| Chrysene | 0.4 | 0.8 J | 14 | 1.6 | 1.8 |
| Dibenz[a,h]anthracene | 0.014 | 0.14 J | 3.5 J | 0.16 J | 0.44 J |
| Indeno[1,2,3-cd]pyrene | 3.2 | NE | 5.7 J | NE | NE |
| Total SVOCs | 500 | 9.23 | 171.34 | 27.292 | 25.43 |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-MW-4 (0.5-1) 1/13/2004 | KS-MW-4 (10-12) 1/23/2004 | KS-MW-4 (32-33) 1/23/2004 |
|---|---|---|---|---|
| VOCs (mg/kg) | | | | |
| Total VOCs | 10 | ND | 0.013 | 0.004 |
| SVOCs (mg/kg) | | | | |
| Benz[a]anthracene | 0.224 | 0.93 | NE | ND |
| Benzo[a]pyrene | 0.061 | 0.87 | 0.16 J | ND |
| Chrysene | 0.4 | 0.9 | NE | ND |
| Dibenz[a,h]anthracene | 0.014 | 0.29 J | 0.038 J | ND |
| Total SVOCs | 500 | 10.941 | 2.128 | 0.015 |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-B-7 (3-5) 1/13/2004 | KS-B-7 (16.5-18) 1/16/2004 | KS-B-7 (48-49) 1/16/2004 |
|---|---|---|---|---|
| VOCs (mg/kg) | | | | |
| Total VOCs | 10 | ND | 0.026 | 0.001 |
| SVOCs (mg/kg) | | | | |
| Benz[a]anthracene | 0.224 | 1.8 | NE | NE |
| Benzo[a]pyrene | 0.061 | 1.3 | NE | NE |
| Chrysene | 0.4 | 1.7 | NE | NE |
| Dibenz[a,h]anthracene | 0.014 | 0.39 J | ND | ND |
| Total SVOCs | 500 | 17.882 | 0.848 | 1.392 |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-B-8 (3-5) 1/13/2004 | KS-B-8 (12-14) 1/14/2004 | KS-B-8 (30-32) 1/14/2004 |
|---|---|---|---|---|
| VOCs (mg/kg) | | | | |
| Total VOCs | 10 | 0.028 | ND | 0.002 |
| SVOCs (mg/kg) | | | | |
| Benz[a]anthracene | 0.224 | 0.5 | NE | NE |
| Benzo[a]pyrene | 0.061 | 0.46 | NE | NE |
| Chrysene | 0.4 | 0.52 | NE | NE |
| Dibenz[a,h]anthracene | 0.014 | 0.15 J | NE | NE |
| Total SVOCs | 500 | 6.267 | 0.136 | 0.156 |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-MW-2 (12-14) 1/22/2004 | KS-MW-2 (16-18) 1/22/2004 |
|---|---|---|---|
| VOCs (mg/kg) | | | |
| Total VOCs | 10 | 0.004 | 0.533 |
| SVOCs (mg/kg) | | | |
| Benz[a]anthracene | 0.224 | 0.49 | 9.6 |
| Benzo[a]pyrene | 0.061 | 0.46 | 8.4 |
| Benzo[b]fluoranthene | 1.1 | NE | 6.4 |
| Benzo[k]fluoranthene | 1.1 | NE | 7.9 J |
| Chrysene | 0.4 | 0.49 | 8.6 |
| Dibenz[a,h]anthracene | 0.014 | ND | 2.4 J |
| Indeno[1,2,3-cd]pyrene | 3.2 | NE | 4.4 J |
| Total SVOCs | 500 | 6.321 | 142.08 |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-B-2 (3-4) 2/2/2004 | KS-B-2 (21-23) 2/3/2004 | KS-B-2 (38-40) 2/4/2004 |
|---|---|---|---|---|
| VOCs (mg/kg) | | | | |
| Total VOCs | 10 | 0.03 | 0.08 | 0.009 |
| SVOCs (mg/kg) | | | | |
| Benz[a]anthracene | 0.224 | ND | 0.33 J | ND |
| Benzo[a]pyrene | 0.061 | ND | 0.3 J | ND |
| Dibenz[a,h]anthracene | 0.014 | ND | 0.093 J | ND |
| Total SVOCs | 500 | 0.246 | 4.769 | 0.019 |

| Chemical Name | NYSDEC Soil Cleanup Objective | KS-B-1 (3-4) 2/2/2004 | KS-B1 (26-28) 2/4/2004 | KS-B1 (30-32) 2/5/2004 |
|---|---|---|---|---|
| VOCs (mg/kg) | | | | |
| Total VOCs | 10 | 0.01 | 0.05 | 0.015 |
| SVOCs (mg/kg) | | | | |
| SVOCs | | NE | NE | NE |
| Total SVOCs | 500 | 0.166 | 1.405 | 0.326 |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-MW-5 (2-5) 1/13/2004 | KS-MW-5 (16.5-18) 1/20/2004 | KS-MW-5 (34-36) 1/20/2004 |
|---|---|---|---|---|
| VOCs (mg/kg) | | | | |
| Total VOCs | 10 | ND | 0.0006 | 0.002 |
| SVOCs (mg/kg) | | | | |
| Benz[a]anthracene | 0.224 | 0.9 | ND | ND |
| Benzo[a]pyrene | 0.061 | 0.93 | ND | ND |
| Chrysene | 0.4 | 0.95 | ND | ND |
| Dibenz[a,h]anthracene | 0.014 | 0.38 | ND | ND |
| Total SVOCs | 500 | 10.81 | 0.056 | 0.022 |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-MW-1 (3-4) 2/2/2004 | KS-MW1 (13-15) 2/5/2004 | KS-MW1 (22-24) 2/5/2004 | KS-MW1 (28-29) 2/5/2004 | KS-MW1 (31-32) 2/5/2004 |
|---|---|---|---|---|---|---|
| VOCs (mg/kg) | | | | | | |
| Total VOCs | 10 | 0.022 | 0.0126 | 0.0079 | 0.019 | 0.0138 |
| SVOCs (mg/kg) | | | | | | |
| Benz[a]anthracene | 0.224 | 0.38 J | ND | NE | ND | ND |
| Benzo[a]pyrene | 0.061 | 0.38 J | ND | ND | ND | ND |
| Chrysene | 0.4 | 0.43 J | ND | NE | ND | ND |
| Total SVOCs | 500 | 5.68 | ND | 0.607 | 0.049 | 0.188 |

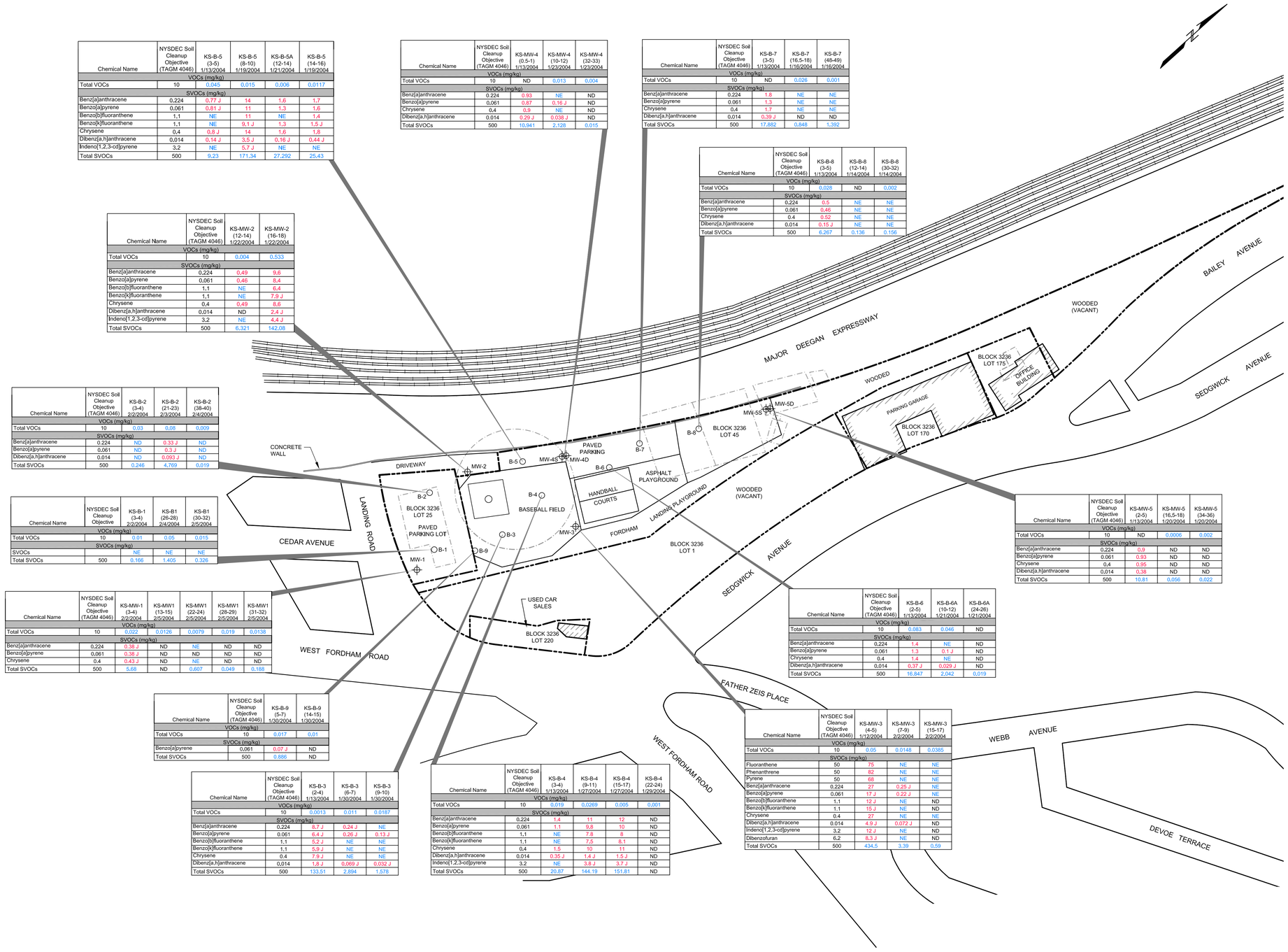
| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-B-6 (2-5) 1/13/2004 | KS-B-6A (10-12) 1/21/2004 | KS-B-6A (24-26) 1/21/2004 |
|---|---|---|---|---|
| VOCs (mg/kg) | | | | |
| Total VOCs | 10 | 0.083 | 0.046 | ND |
| SVOCs (mg/kg) | | | | |
| Benz[a]anthracene | 0.224 | 1.4 | NE | ND |
| Benzo[a]pyrene | 0.061 | 1.3 | 0.1 J | ND |
| Chrysene | 0.4 | 1.4 | NE | ND |
| Dibenz[a,h]anthracene | 0.014 | 0.37 J | 0.029 J | ND |
| Total SVOCs | 500 | 16.847 | 2.042 | 0.019 |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-B-9 (5-7) 1/30/2004 | KS-B-9 (14-15) 1/30/2004 |
|---|---|---|---|
| VOCs (mg/kg) | | | |
| Total VOCs | 10 | 0.017 | 0.01 |
| SVOCs (mg/kg) | | | |
| Benzo[a]pyrene | 0.061 | 0.07 J | ND |
| Total SVOCs | 500 | 0.886 | ND |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-B-3 (2-4) 1/13/2004 | KS-B-3 (6-7) 1/30/2004 | KS-B-3 (9-10) 1/30/2004 |
|---|---|---|---|---|
| VOCs (mg/kg) | | | | |
| Total VOCs | 10 | 0.0013 | 0.011 | 0.0187 |
| SVOCs (mg/kg) | | | | |
| Benz[a]anthracene | 0.224 | 8.7 J | 0.24 J | NE |
| Benzo[a]pyrene | 0.061 | 6.4 J | 0.26 J | 0.13 J |
| Benzo[b]fluoranthene | 1.1 | 5.2 J | NE | NE |
| Benzo[k]fluoranthene | 1.1 | 5.9 J | NE | NE |
| Chrysene | 0.4 | 7.9 J | NE | NE |
| Dibenz[a,h]anthracene | 0.014 | 1.8 J | 0.069 J | 0.032 J |
| Total SVOCs | 500 | 133.51 | 2.894 | 1.578 |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-B-4 (3-4) 1/13/2004 | KS-B-4 (8-11) 1/27/2004 | KS-B-4 (15-17) 1/27/2004 | KS-B-4 (22-24) 1/29/2004 |
|---|---|---|---|---|---|
| VOCs (mg/kg) | | | | | |
| Total VOCs | 10 | 0.019 | 0.0269 | 0.005 | 0.001 |
| SVOCs (mg/kg) | | | | | |
| Benz[a]anthracene | 0.224 | 1.4 | 11 | 12 | ND |
| Benzo[a]pyrene | 0.061 | 1.1 | 9.8 | 10 | ND |
| Benzo[b]fluoranthene | 1.1 | NE | 7.8 | 8 | ND |
| Benzo[k]fluoranthene | 1.1 | NE | 7.5 | 8.1 | ND |
| Chrysene | 0.4 | 1.5 | 10 | 11 | ND |
| Dibenz[a,h]anthracene | 0.014 | 0.35 J | 1.4 J | 1.5 J | ND |
| Indeno[1,2,3-cd]pyrene | 3.2 | NE | 3.8 J | 3.7 J | ND |
| Total SVOCs | 500 | 20.87 | 144.19 | 151.81 | ND |

| Chemical Name | NYSDEC Soil Cleanup Objective (TAGM 4046) | KS-MW-3 (4-5) 1/12/2004 | KS-MW-3 (7-9) 2/2/2004 | KS-MW-3 (15-17) 2/2/2004 |
|---|---|---|---|---|
| VOCs (mg/kg) | | | | |
| Total VOCs | 10 | 0.05 | 0.0148 | 0.0385 |
| SVOCs (mg/kg) | | | | |
| Fluoranthene | 50 | 75 | NE | NE |
| Phenanthrene | 50 | 82 | NE | NE |
| Pyrene | 50 | 68 | NE | NE |
| Benz[a]anthracene | 0.224 | 27 | 0.25 J | NE |
| Benzo[a]pyrene | 0.061 | 17 J | 0.22 J | NE |
| Benzo[b]fluoranthene | 1.1 | 12 J | NE | ND |
| Benzo[k]fluoranthene | 1.1 | 15 J | NE | ND |
| Chrysene | 0.4 | 27 | NE | NE |
| Dibenz[a,h]anthracene | 0.014 | 4.9 J | 0.072 J | ND |
| Indeno[1,2,3-cd]pyrene | 3.2 | 12 J | NE | ND |
| Dibenzofuran | 6.2 | 8.3 J | NE | ND |
| Total SVOCs | 500 | 434.5 | 3.39 | 0.59 |




## LEGEND

| | |
|---|---|
| | CURRENT PROPERTY BOUNDARY |
| | FORMER BUILDING OR STRUCTURE |
| MW-1 | MONITORING WELL LOCATION |
| B-3 | SOIL BORING LOCATION |

**NOTES:**

| | |
|---|---|
| VOCs | VOLATILE ORGANIC COMPOUNDS |
| SVOCs | SEMIVOLATILE ORGANIC COMPOUNDS |
| ND | NOT DETECTED - NO COMPOUNDS IN THE LISTED CATEGORY WERE DETECTED IN THE SAMPLE |
| NE | NO EXCEEDANCE - COMPOUND DOES NOT EXCEED NYSDEC SOIL CLEANUP OBJECTIVE (TAGM 4046) |
| mg/kg | MILLIGRAMS PER KILOGRAM |
| BLUE | COMPOUND DETECTED IN SAMPLE |
| RED | COMPOUND EXCEEDS NYSDEC SOIL CLEANUP OBJECTIVES (TAGM 4046) |

SOURCES:
SANBORN FIRE INSURANCE MAPS DATED 1914, 1950, AND 1977.
1996 AERIAL PHOTOGRAPH, OPEN ACCESSIBLE SPACE INFORMATION SYSTEM COOPERATIVE (OASIS) WWW.OASISNYC.NET.
BRONX TAX ASSESSOR'S MAP.

KINGSBRIDGE STATION
BRONX, NEW YORK

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
NEW YORK, NEW YORK

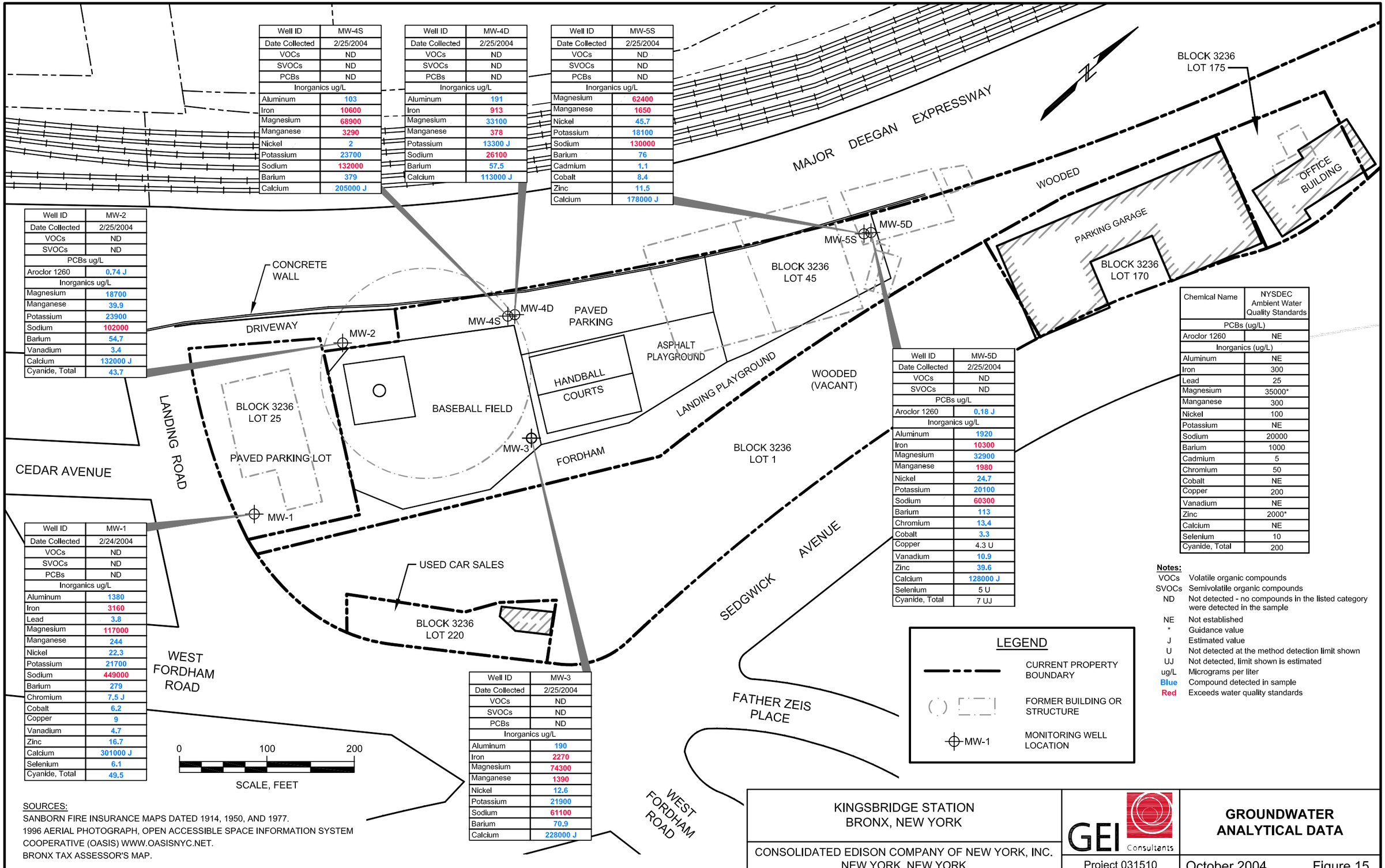
PROJECT NO.: 031510

GEI Consultants
P.O. BOX 297
188 NORWICH AVENUE
COLCHESTER, CONNECTICUT 06415

**SUBSURFACE SOIL ANALYTICAL DATA**

October 2004 Figure 14

CON_ED\KINGSBRIDGE\031510\REPORT\KING-SUBANAL




| Well ID | MW-4S |
|---|---|
| Date Collected | 2/25/2004 |
| VOCs | ND |
| SVOCs | ND |
| PCBs | ND |
| Inorganics ug/L | |
| Aluminum | 103 |
| Iron | 10600 |
| Magnesium | 68900 |
| Manganese | 3290 |
| Nickel | 2 |
| Potassium | 23700 |
| Sodium | 132000 |
| Barium | 379 |
| Calcium | 205000 J |

| Well ID | MW-4D |
|---|---|
| Date Collected | 2/25/2004 |
| VOCs | ND |
| SVOCs | ND |
| PCBs | ND |
| Inorganics ug/L | |
| Aluminum | 191 |
| Iron | 913 |
| Magnesium | 33100 |
| Manganese | 378 |
| Potassium | 13300 J |
| Sodium | 26100 |
| Barium | 57.5 |
| Calcium | 113000 J |

| Well ID | MW-5S |
|---|---|
| Date Collected | 2/25/2004 |
| VOCs | ND |
| SVOCs | ND |
| PCBs | ND |
| Inorganics ug/L | |
| Magnesium | 62400 |
| Manganese | 1650 |
| Nickel | 45.7 |
| Potassium | 18100 |
| Sodium | 130000 |
| Barium | 76 |
| Cadmium | 1.1 |
| Cobalt | 8.4 |
| Zinc | 11.5 |
| Calcium | 178000 J |

| Well ID | MW-2 |
|---|---|
| Date Collected | 2/25/2004 |
| VOCs | ND |
| SVOCs | ND |
| PCBs ug/L | |
| Aroclor 1260 | 0.74 J |
| Inorganics ug/L | |
| Magnesium | 18700 |
| Manganese | 39.9 |
| Potassium | 23900 |
| Sodium | 102000 |
| Barium | 54.7 |
| Vanadium | 3.4 |
| Calcium | 132000 J |
| Cyanide, Total | 43.7 |

| Well ID | MW-5D |
|---|---|
| Date Collected | 2/25/2004 |
| VOCs | ND |
| SVOCs | ND |
| PCBs ug/L | |
| Aroclor 1260 | 0.18 J |
| Inorganics ug/L | |
| Aluminum | 1920 |
| Iron | 10300 |
| Magnesium | 32900 |
| Manganese | 1980 |
| Nickel | 24.7 |
| Potassium | 20100 |
| Sodium | 60300 |
| Barium | 113 |
| Chromium | 13.4 |
| Cobalt | 3.3 |
| Copper | 4.3 U |
| Vanadium | 10.9 |
| Zinc | 39.6 |
| Calcium | 128000 J |
| Selenium | 5 U |
| Cyanide, Total | 7 UJ |

| Chemical Name | NYSDEC Ambient Water Quality Standards |
|---|---|
| PCBs (ug/L) | |
| Aroclor 1260 | NE |
| Inorganics (ug/L) | |
| Aluminum | NE |
| Iron | 300 |
| Lead | 25 |
| Magnesium | 35000* |
| Manganese | 300 |
| Nickel | 100 |
| Potassium | NE |
| Sodium | 20000 |
| Barium | 1000 |
| Cadmium | 5 |
| Chromium | 50 |
| Cobalt | NE |
| Copper | 200 |
| Vanadium | NE |
| Zinc | 2000* |
| Calcium | NE |
| Selenium | 10 |
| Cyanide, Total | 200 |

| Well ID | MW-1 |
|---|---|
| Date Collected | 2/24/2004 |
| VOCs | ND |
| SVOCs | ND |
| PCBs | ND |
| Inorganics ug/L | |
| Aluminum | 1380 |
| Iron | 3160 |
| Lead | 3.8 |
| Magnesium | 117000 |
| Manganese | 244 |
| Nickel | 22.3 |
| Potassium | 21700 |
| Sodium | 449000 |
| Barium | 279 |
| Chromium | 7.5 J |
| Cobalt | 6.2 |
| Copper | 9 |
| Vanadium | 4.7 |
| Zinc | 16.7 |
| Calcium | 301000 J |
| Selenium | 6.1 |
| Cyanide, Total | 49.5 |

| Well ID | MW-3 |
|---|---|
| Date Collected | 2/25/2004 |
| VOCs | ND |
| SVOCs | ND |
| PCBs | ND |
| Inorganics ug/L | |
| Aluminum | 190 |
| Iron | 2270 |
| Magnesium | 74300 |
| Manganese | 1390 |
| Nickel | 12.6 |
| Potassium | 21900 |
| Sodium | 61100 |
| Barium | 70.9 |
| Calcium | 228000 J |

**Notes:**

| | |
|---|---|
| VOCs | Volatile organic compounds |
| SVOCs | Semivolatile organic compounds |
| ND | Not detected - no compounds in the listed category were detected in the sample |
| NE | Not established |
| * | Guidance value |
| J | Estimated value |
| U | Not detected at the method detection limit shown |
| UJ | Not detected, limit shown is estimated |
| ug/L | Micrograms per liter |
| Blue | Compound detected in sample |
| Red | Exceeds water quality standards |

LEGEND

CURRENT PROPERTY BOUNDARY

FORMER BUILDING OR STRUCTURE

MW-1 MONITORING WELL LOCATION

SOURCES:
SANBORN FIRE INSURANCE MAPS DATED 1914, 1950, AND 1977.
1996 AERIAL PHOTOGRAPH, OPEN ACCESSIBLE SPACE INFORMATION SYSTEM COOPERATIVE (OASIS) WWW.OASISNYC.NET.
BRONX TAX ASSESSOR'S MAP.

KINGSBRIDGE STATION
BRONX, NEW YORK

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
NEW YORK, NEW YORK

GEI Consultants

Project 031510

**GROUNDWATER ANALYTICAL DATA**

October 2004 Figure 15

CON_ED\KINGS\031510\REPORT\KING-GW ANAL

# Appendix A

## Soil Borings and Monitoring Well Logs and Well Purging Records

GEI Consultants, Inc.

# SOIL BORING (B-1)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-1 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 2/4/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 32' 1" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 39.26' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 32' 1" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected WOR - weight of rod
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1<br>2<br>3<br>4<br>5 | | | | | Hand cleared borehole to 5.0' bgs<br><br>0-2" Asphalt<br>2"-5' FILL: Brown fine to coarse SAND, and fine to coarse gravel<br>numerous pieces of brick and slate, no staining, no odors<br><br>** |
| 6<br>7 | 5-7 | NA | 60/4" | 4/4 | FILL: Red, dry, BRICK and ROCK FRAGMENTS, some brown, fine to coarse sand, dense non-cohesive, no odors or visual impacts<br><br>PID= 0 |
| 8<br>9 | 7-9 | NA | 7<br>9<br>20<br>16 | 24/8 | 0-2" - FILL: Brown, dry, poorly sorted FINE to COARSE SAND, trace silt and brick fragments, medium dense, non-cohesive, no odors or visual impacts<br>2-8" - FILL: Brown, dry, poorly sorted FINE to COARSE GRAVEL, some fine to coarse sand, trace brick and concrete fragments, medium dense, non-cohesive PID= 0, 0, 0.1 |
| 10<br>11 | 9-11 | NA | 7<br>7<br>50/0" | 12/0 | No Recovery - drilled through obstruction between 10-13' |
| 12<br>13 | 11-13 | NA | NA | 0/0 | CONCRETE |
| 14<br>15 | 13-15 | NA | 4<br>6<br>1/12" | 24/0 | No Recovery |
| 16<br>17 | 15-17 | NA | 2<br>4<br>50/5" | 17/3 | FILL: Red, dry BRICK FRAGMENTS, pulverized concrete in tip of spoon, no odors or visual impacts<br>PID= 0, 0, 0<br>drilled through concrete obstruction between 16.5-18' |
| 18 | | | | | CONCRETE |
| 19<br>20 | 18-20 | NA | 4<br>1<br>15<br>10 | 24/0 | FILL: CONCRETE FRAGMENTS, no odors or visual impacts<br><br>PID= 0 |
| 21<br>22 | 20-22 | NA | 7<br>6<br>5<br>5 | 24/0 | FILL: Single ROUNDED MEDIUM GRAVEL, no odors or visual impacts |

GEI Consultants, Inc.

# SOIL BORING (B-1)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-1 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 2/4/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 32' 1" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 39.26' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 32' 1" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected WOR - weight of rod
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 23<br>24 | 22-24 | NA | 4<br>4<br>9<br>11 | 24/1 | FILL: Brown, wet, poorly sorted FINE to COARSE SAND, trace silt and brick fragments, loose, non-cohesive, no odors or visual impacts<br><br>PID= 0.3 |
| 25<br>26 | 24-26 | NA | 4<br>50/4" | 10/4 | FILL: Red, wet BRICK FRAGMENTS, little sub-angular fine gravel, non-cohesive, concrete in tip of spoon, faint fuel oil-like odor in concrete, black staining in tip of spoon<br><br>PID= 0.8 |
| 27<br>28 | 26-28 | NA | 1<br>2<br>1/12" | 24/4 | ** FILL: Brown-black, wet, poorly sorted FINE GRAVEL, trace silt and fine to coarse sand, non-cohesive, faint fuel oil-like odor, black staining and slight sheen<br><br>PiD= 4.8, 0.6, 0.2 |
| 29<br>30 | 28-30 | NA | WOR | 24/2 | FILL: Brown, wet, well sorted FINE to MEDIUM SAND, little silt, non-cohesive, faint fuel oil-like odor, very slight sheen<br><br>PID= 0.6 |
| 31<br>32 | 30-32 | 1.3 | WOR | 24/20 | ** FILL: Brown, wet, well sorted, FINE to MEDIUM SAND, trace silt and coarse sand, loose, semi-cohesive, no odors or visual impacts<br><br>PID= 0.2, 0.2, 0.2 |
| 33<br>34 | 32-34 | NA | 100/1" | 1/<1 | FILL: CONCRETE - several attempts made to drive spoon, augered to 33.5', drove spoon - CONCRETE in tip of spoon |

Spoon and auger refusal at 32' 1"
End of boring

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# SOIL BORING (B-2)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-2 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 2/3/04, 2/4/04 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 39' 8" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 37.64' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 39' 8" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available  Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1<br>2<br>3<br>4<br>5 | | | | | Hand cleared borehole to 5.0' bgs<br><br>0-2" Asphalt<br>2"-2' FILL: Demolition debris (concrete and brick)<br>2'-5' FILL: Brown fine to coarse SAND, and fine to coarse gravel numerous pieces of brick, no staining, no odors<br>** |
| 6<br>7 | 5-7 | NA | 8<br>7<br>6<br>9 | 24/13 | 0-2" - FILL: BRICK FRAGMENT<br>2-4" - FILL: Brown, poorly sorted MEDIUM to COARSE SAND, trace well rounded fine gravel and silt, loose, non-cohesive, brick fragments, no odors or visual impacts<br>4-13" - FILL: Black, dry ASPHALT and ANGULAR GRAVEL, some sand, loose, non-cohesive, no odors or visual impacts PID= 0, 0, 0 |
| 8<br>9 | 7-9 | 1.2 | 34<br>37<br>11<br>7 | 24/13 | 0-2" - Brown, dry, poorly sorted MEDIUM SAND, some angular fine to medium gravel, loose, non-cohesive, no odors or visual impacts, 3" of tan pulverized rock<br>7-9" - FILL Brown, dry FINE SAND, some silt and angular medium gravel<br>9-13" - FILL: Black and gray rock fragments, brick in tip |
| 10<br>11 | 9-11 | NA | 4<br>3<br>4<br>4 | 24/8 | 0-2" - FILL: Light tan SANDSTONE FRAGMENTS<br>2-8" - Black-brown, dry, poorly sorted ANGULAR MEDIUM GRAVEL, some medium sand, trace silt, loose, non-cohesive, no odors or visual impacts |
| 12<br>13 | 11-13 | 1.7 | 5<br>5<br>6<br>5 | 24/18 | 0-8" FILL: Same as above<br>9-18" - Brown-gray, dry, poorly sorted FINE SAND, some silt, trace well-rounded fine gravel and brick fragments, loose, moderately cohesive, no odors or visual impacts |
| 14<br>15 | 13-15 | NA | 7<br>7<br>13<br>8 | 24/6 | FILL: Gray, moist, ANGULAR FINE to MEDIUM GRAVEL, trace fine sand and silt, some black and light tan gravel, loose, non-cohesive, no odors or visual impacts |
| 16<br>17 | 15-17 | NA | 3<br>2<br>3<br>5 | 24/12 | FILL: Gray, moist, poorly sorted FINE to MEDIUM SAND, some fine to medium gravel, trace wood and plastic pieces, loose, non-cohesive, no odor or visual impacts |

GEI Consultants, Inc.

# SOIL BORING (B-2)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-2 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 2/3/04, 2/4/04 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 39' 8" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 37.64' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 39' 8" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 18<br>19 | 17-19 | NA | 22<br>22<br>6<br>7 | 24/5 | FILL: Gray, moist, poorly sorted FINE to MEDIUM SAND, trace fine gravel, silt, plastic and brick, loose, non-cohesive, tan and black stone in tip, no odor or visual impacts |
| 20<br>21 | 19-21 | NA | 50/4" | 4/0 | No Recovery - wood piece in tip of spoon |
| 22<br>23 | 21-23 | NA | 4<br>4<br>5<br>4 | 24/17 | FILL: Brown-gray (layered), wet, poorly sorted FINE to MEDIUM SAND, some silt, loose, ** non-cohesive, no odors or visual impacts<br>water at 21' |
| 24<br>25 | 23-25 | NA | NA | NA | Center bit gets stuck in augur, pieces of tire coming up with cuttings<br>Move to next interval |
| 26<br>27 | 25-27 | NA | 9<br>12<br>12<br>7 | 24/10 | FILL: Brown, wet, poorly sorted FINE SAND and SILT, dense, moderately cohesive<br>no odors or visual impacts |
| 28<br>29 | 27-29 | 2.2 | 4<br>3<br>3<br>2 | 24/11 | FILL: Brown, wet, poorly sorted FINE to MEDIUM SAND, some silt, trace well rounded fine gravel, moderately dense, non-cohesive, no odors or visual impacts |
| 30<br>31 | 29-31 | 2.7 | 2<br>3<br>8<br>10 | 24/14 | FILL: Brown, wet, poorly sorted MEDIUM SAND, trace silt and fine gravel, dense, non-cohesive, no odors or visual impacts |
| 32<br>33 | 31-33 | 2.2 | 10<br>19<br>19<br>20 | 24/24 | Brown, wet, poorly sorted FINE to MEDIUM SAND, some well rounded fine to medium gravel, trace coarse sand and silt, dense, non-cohesive, no odors or visual impacts |

GEI Consultants, Inc.

# SOIL BORING (B-2)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-2 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 2/3/04, 2/4/04 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 39' 8" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 37.64' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 39' 8" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 34<br>35 | 33-35 | 3.9 | 7<br>16<br>14<br>25 | 24/12 | Brown, moist, poorly sorted FINE to MEDIUM SAND, some silt and angular fine to medium gravel, trace coarse sand, dense, non-cohesive, no odors or visual impacts |
| 36<br>37 | 35-37 | 8 | 5<br>24<br>44<br>40 | 24/2 | Same as above, no odors or visual impacts |
| 38 | 37-38 | NA | NA | NA | COBBLE from 37-38' |
| 39<br>40 | 38-40 | NA | 16<br>25<br>35<br>50/2" | 20/13 | ** Black-gray, moist, weathered bedrock, some fine to medium sand with mica flecks, dense, non-cohesive, no odors or visual impacts |

Spoon and auger refusal at 39' 8"
End of boring

GEI Consultants, Inc.

# SOIL BORING (B-3)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-3 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/29/2004, 1/30/04 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 10' 4" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 14.73' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 10' 4" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available  Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | | Soil/Geologic Description |
|---|---|---|---|---|---|---|
| 1 | | | | | | Hand cleared borehole to 5.0' bgs |
| 2 | | | | | | 0-1.5' FILL: Brown SAND, some silt, no odors, no staining<br>1.5'-5' FILL: Brown SAND, some silt, little gravel, large cobbles at bottom, no odors, no staining |
| 3 | | | | | ** | |
| 4 | | | | | | PID 0.0 ppm |
| 5 | | | | | | |
| 6 | 5-7 | 1.8 | 2<br>2<br>3 | 24/13 | ** | FILL: Brown, moist, poorly sorted FINE to MEDIUM SAND, some silt, trace well rounded fine gravel and coarse sand, loose, non-cohesive, no odors or visual impacts<br>water at 6' |
| 7 | | | 4 | | | PID= 0, 0, 0 |
| 8 | 7-9 | 1.4 | 3<br>2<br>2 | 24/10 | | FILL: Brown-dark brown, wet, poorly sorted FINE to MEDIUM SAND, some silt, trace fine to medium gravel and brick fragments, loose, non-cohesive, no odors or visual impacts |
| 9 | | | 4 | | | PID= 0, 0, 0 |
| 10 | 9-11 | 0 | 12<br>15<br>50/4" | 16/12 | ** | FILL: Gray-black-dark brown, wet MEDIUM SAND, some angular fine-medium gravel, trace silt, loose, non-cohesive, no odors of visual impacts<br>Black rock with mica flecks in tip of spoon -- probable blast rock |
| 11 | | | | | | PID= 0, 0, 0 |

Spoon and auger refusal at 10' 4"
End of boring

GEI Consultants, Inc.

# SOIL BORING (B-4)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-4 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Dan Burke | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/27/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 28.0' | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 14.86' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 28' |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available  Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1 | | | | | Hand cleared borehole to 5.0' bgs |
| 2 | | | | | 0-1.5' FILL: Brown SAND, some silt, little gravel<br>1.5'-2.5' FILL: Brown and black SAND, some silt and gravel, trace brick and coal pieces, no odors, no staining |
| 3 | | | | | 2.5'-2.75' FILL: concrete |
| 4 | | | | | ** 2.75'- 5' FILL: Black stained SAND, some silt and gravel, trace brick and wood (approximately 30% of sand is stained), no odors<br>PID= 2.0 ppm |
| 5 | | | | | |
| 6 | 5-7 | 0 | 4<br>4<br>4<br>7 | 24/13 | 0-7" - FILL: Brown, dry, loose, FINE to COARSE SAND, some sub-angular gravel, trace silt, clinker/slag, and brick fragments, no odors or visual impacts, rock in tip of spoon<br>7-8" - FILL: Black clinker/slag |
| 7 | | | | | 8-13" - FILL: Brown, moist, poorly sorted FINE to MEDIUM SAND, some sub-angular fine gravel, little wood pulp and brick fragments, non-cohesive  PID= 0, 0, 0, 0 |
| 8 | 7-9 | 0.1 | 14<br>5<br>3<br>4 | 24/3 | FILL: Brown-dark gray, moist, FINE SAND, some silt and fine to medium sub-angular gravel, faint fuel oil-like odor in tip of spoon, no visual impacts<br>PID= 0.1, 0 |
| 9 | | | | | |
| 10 | 9-11 | 0 | 50/5" | 5/2 | FILL: CONCRETE, brick, clinker/slag, some fine to coarse sand and gravel, moist, ** faint fuel oil-like odor, no visual contamination<br>PID= 0, 0 |
| 11 | | | | | concrete encountered at 10' |
| 12 | 11-13 | | | | |
| 13 | | | | | concrete cleared at 13' |
| 14 | 13-15 | 0 | 15<br>9<br>9<br>11 | 24/16 | 0-11" - FILL: Brown, wet, poorly sorted FINE to COARSE SAND, some brick, gravel, and clinker/slag, non-cohesive, no odors or visual impacts<br>11-16" - Concrete aggregate<br>PID= 0, 0 |
| 15 | | | | | |
| 16 | 15-17 | 0 | 22<br>50/4" | 10/9 | 0-6" - FILL: BRICK and FINE to COARSE SAND, some fine gravel, trace silt, ** poorly sorted, non-cohesive, faint fuel oil-like odor, no visual impacts<br>6-9" - FILL: CONCRETE AGGREGATE PIECES  PID= 0, 0, 0 |
| 17 | | | | | concrete encountered at 16' |

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# SOIL BORING (B-4)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-4 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Dan Burke | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/27/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 28.0' | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 14.86' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 28' |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available  Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 18<br>19<br>20 | 17-20 | NA | NA | NA | drilled through concrete between 16-20' |
| 21<br>22 | 20-22 | 0.8 | 14<br>11<br>17<br>16 | 24/8 | Light brown-gray, moist, well sorted, FINE to COARSE SAND, trace silt, rock fragments throughout with quartz grains, black weathered rock throughout, dense<br>no odors or visual impacts<br>PID= 0, 0, 0 |
| 23<br>24 | 22-24 | 0.0 | 16<br>25<br>30<br>33 | 24/11 | Light brown-gray, moist FINE to COARSE SAND, trace silt, very dense,<br>** black weathered rock fragments throughout, very dense, weathered rock in the tip of the spoon<br>no odors or visual impacts<br>PID= 0, 0, 0 |
| 25<br>26 | 24-26 | 0.0 | 50/2" | 2/2 | Black heavily weathered bedrock with quartz fragments and mica flecks<br>weathered black rock with mica flecks in tip of spoon<br>no odors or visual impacts<br>PID= 0, 0, 0 |
| 27<br>28 | | | | | drilled through heavily weathered rock to 28' |

End of boring at 28.0'

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# SOIL BORING (B-5)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-5 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/19/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 15' 3" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 14.87' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 15' 3" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available  Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1 | | | | | Hand cleared borehole to 5.0' bgs |
| 2 | | | | | 0-2" Asphalt<br>2"-6" FILL: Gray and brown SAND, some silt, trace gravel |
| 3 | | | | | 0.5'-1.5' FILL: Gray and brown SAND, some silt, trace gravel and brick<br>1.5'- 2.5' FILL: Pieces of rock (cobbles) |
| 4 | | | | | ** 2..5'-5' FILL: Dark brown SAND, some silt, little gravel, trace brick<br>no odors or visual impacts |
| 5 | 4-6 | 6.2 | 3<br>2 | 24/7 | 0-2" - Asphalt cold patch<br>2-4" - FILL: Drillers Sand |
| 6 | | | 2<br>13 | | 4-7" - FILL: Brown, dry, poorly sorted MEDIUM SAND, some fine sand, trace brick fragments, loose, non-cohesive, no odors or visual impacts PID=0.3 |
| 7 | 6-8 | 16.0 | 6<br>31 | 24/15 | 0-2" - Asphalt cold patch PID=0.4, 0.2, 0.1<br>2-6" - FILL: Brown, dry, poorly sorted MEDIUM to COARSE SAND, trace fine sand, loose, |
| 8 | | | 42<br>21 | | 6-10" - FILL: Brown, moist, well sorted FINE SAND, some silt, trace clay, dense, cohesive<br>10-15" - FILL: Brown, dry, poorly sorted MEDIUM SAND, some rock and brick fragments |
| 9 | 8-10 | NA | 11<br>10 | 24/10 | FILL: Gray-black, wet, poorly sorted MEDIUM SAND, some coarse gravel and brick<br>** fragments, trace fine sand, loose, non-cohesive, wood piece with faint fuel oil-like odor, |
| 10 | | | 31<br>50 | | no other odors or visual impacts<br>PID=0.1 |
| 11 | 10-12 | 3.8 | 50/4" | 4/4 | FILL: Dark brown, wet, poorly sorted MEDIUM to COARSE GRAVEL, some medium sand and brick fragments, loose, non-cohesive, no odors or visual impacts |
| 12 | | | | | PID=0 |
| 13 | 12-14 | 2.8 | 6<br>2 | 24/4 | FILL: Dark brown, wet, poorly sorted FINE to COARSE GRAVEL, some fine sand, trace<br>** brick fragments and wood pieces, loose, non-cohesive, no odors or visual impacts |
| 14 | | | 4<br>6 | | PID=0 |
| 15 | 14-16 | NA | 3<br>9 | 15/7 | FILL: Brown, wet, poorly sorted MEDIUM SAND, little fine sand, trace fine gravel, loose,<br>** non-cohesive, no odors or visual impacts, grey rock fragments in tip of spoon |
| 16 | | | 50/3" | | PID=0 |

Spoon and auger refusal at 15' 3"
End of boring

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# SOIL BORING (B-6)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-6A | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/21/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 29.0' | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 19.25' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 29' |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1 | | | | | Hand cleared borehole to 5.0' bgs |
| 2 | | | | | 0-2" Asphalt<br>2"-6" FILL: Brown SAND and gravel, some silt and pieces of brick<br>0.5'-1.5' FILL: Brown SAND, some silt trace gravel |
| 3 | | | | | ** 1.5'-5.5' FILL: Dark brown SAND, some silt and gravel, few cobbles and brick pieces, no staining, no odors |
| 4 | | | | | PID= 0.0 |
| 5 | 4-6 | 23.5 | 3<br>3<br>3 | 24/6 | FILL: Brown, dry, poorly sorted FINE to MEDIUM SAND, some fine sand, trace angular medium gravel and brick fragments, medium dense, non-cohesive no odors or visual impacts |
| 6 | | | 4 | | PID=0, 0.1 |
| 7 | 6-8 | 19.5 | 10<br>11<br>17 | 24/17 | 0-8" - FILL: Same as above<br>8-17" - FILL: Dark brown-black, dry, poorly sorted MEDIUM SAND, some fine sand and brick fragments, trace organic material, loose, moderately cohesive, |
| 8 | | | 23 | | no odors or visual impacts PID=0.6, 0, 0 |
| 9 | 8-10 | 0.6 | 47<br>50/5" | 11/9 | 0-6" - FILL: Brown, moist, poorly sorted MEDIUM SAND, some angular medium gravel and fine sand, trace fine gravel, loose, non-cohesive, no odors or visual impacts<br>6-9" - FILL: White-gray, dry pulverized rock fragments, no odors or visual impacts |
| 10 | | | | | PID=0.3, 0 |
| 11 | 10-12 | 2.3 | 10<br>5<br>4 | 24/14 | 0-4" - FILL: Brown, wet, well sorted FINE SAND, some clay, medium dense, cohesive<br>** 4-8" - Gray, moist, well sorted MEDIUM to COARSE SAND, trace fine sand, dense<br>8-10" - Light brown, wet, well sorted MEDIUM to COARSE SAND, some fine sand |
| 12 | | | 5 | | 10-14" - Brown, wet FINE SAND, some silt, loose, no odors or visual impacts, PID=0, 0.1 |
| 13 | 12-14 | 3.2 | 2<br>2<br>2 | 24/22 | Dark-light brown, wet, well sorted FINE SAND and CLAY, trace organic material, loose, cohesive, no odors or visual impacts |
| 14 | | | 2 | | PID=2, 2, 2, 2 |
| 15 | 14-16 | 3.8 | 1<br>2<br>4 | 22/19 | 0-5" - Same as above<br>5-19" - Reddish brown, wet, well sorted MEDIUM SAND, little fine sand and organic material, loose, non-cohesive, no odors or visual impacts |
| 16 | | | 50/2" | | PID=0 |

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# SOIL BORING (B-6)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-6A | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/21/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 29.0' | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 19.25' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 29' |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available  Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 17<br>18 | 16-18 | NA | 50/1" | 1/1 | Brown, wet, poorly sorted, SAND and GRAVEL, very loose, non-cohesive, no odors or visual impacts<br>PID=0 |
| 19<br>20 | 18-20 | 0.9 | 5<br>4<br>7<br>9 | 24/10 | 0-1" - Brown, wet, well sorted COARSE SAND, trace fine sand, loose, non-cohesive,<br>1-5" - Brown, wet, well sorted MEDIUM SAND, trace fine and coarse sand, loose<br>5-7" - Black rock with quartz and mica, no odors or visual impacts throughout spoon<br>7-10" - Brown, wet, well sorted FINE SAND and CLAY, loose, cohesive PID=0 |
| 21<br>22 | 20-22 | 2.0 | 11<br>17<br>50/4" | 16/16 | 0-11" - Brown, wet, poorly sorted MEDIUM SAND, some coarse sand and gravel, trace fine sand, dense, moderately cohesive, no odors or visual impacts<br>11-16" - Balck, moist, weathered rock with mica flecks, some fine sand<br>PID=0 |
| 23<br>24 | 22-24 | 3.8 | 17<br>40<br>50/3" | 15/15 | 0-6" - Brown, wet, well sorted, MEDIUM to COARSE SAND, some fine sand, loose, non-cohesive, no odors or visual impacts PID=0<br>6-10" - Black, moist, FINE SAND and weathered rock, dense, non-cohesive<br>10-15" - Brown, wet, well sorted FINE SAND and SILT, dense, no odors or visual impacts |
| 25<br>26 | 24-26 | NA | 15<br>31<br>40<br>25 | 24/13 | ** Brown, moist, poorly sorted FINE to COARSE SAND, some fine sand, little well rounded and angular medium gravel, dense, moderately cohesive, no odors or visual impacts<br>PID=0, 0.1 |
| 27<br>28 | 26-28 | 2.9 | 50/1" | 1/1 | Brown, wet, poorly sorted FINE to COARSE SAND, trace medium gravel, non-cohesive, no odors or visual impacts<br>PID=0 |
| 29<br>30 | 28-30 | 0.1 | 31<br>42<br>50/0" | 12/6 | Black, dry, weathered rock with quartz veins, trace fine to medium sand, very dense, cohesive, no odors or visual impacts<br>PID=0 |

Spoon and auger refusal at 29.0'
End of boring

GEI Consultants, Inc.

# SOIL BORING (B-7)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-7 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/16/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 49.0' | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 19.47' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 49' |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

Notes: ** Analytical sample collected
NA - Not Available  Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1<br>2<br>3<br>4 | | | | | Hand cleared borehole to 5.0' bgs<br><br>0-2" Asphalt<br>2"-6" FILL: Brown SAND, some gravel, little silts<br>.5'-5' FILL: Brown SAND, some silt and gravel, trace clay,<br>** no odors, no staining, dry |
| 5<br>6 | 4-6 | 16.5 | 3<br>3<br>8<br>8 | 24/5 | FILL: Brown, dry, poorly sorted FINE to COARSE SAND, some asphalt pieces, trace silt, loose, non-cohesive, no odors or visual impacts<br><br>PID=0.1, 0, 3, 0 |
| 7<br>8 | 6-8 | 10.4 | 21<br>22<br>23<br>18 | 24/7 | FILL: 0-2" - Brown, dry, poorly sorted FINE to COARSE SAND, some rounded fine gravel<br>2-4" - Black rock fragments with mica flecks<br>4-7" - Light brown, dry, poorly sorted FINE to COARSE SAND, some sub-angular fine gravel, trace silt, dense, non-cohesive, no odors or visual impacts PID=11.9, 1.6, 2.4 |
| 9<br>10 | 8-10 | 10.1 | 5<br>8<br>12<br>9 | 24/3 | FILL: Brown, dry, poorly sorted FINE to COARSE SAND, some well-rounded fine gravel, quartz rock fragment in tip, no odors or visual impacts<br><br>PID=NR |
| 11<br>12 | 10-12 | 0.9 | 3<br>5<br>2<br>5 | 24/5 | FILL: Same as above, no odors or visual impacts<br><br>PID=NR |
| 13<br>14 | 12-14 | 6.6 | 2<br>2<br>4<br>6 | 24/11 | Brown, moist, well sorted FINE to COARSE SAND, some silt and sub-angular fine gravel, semi coheisve, sands grade to silty sand at tip of spoon, no odors or visual impacts<br><br>PID=0.1, 0, 0.1, 0.1 |
| 15<br>16 | 14-16 | 6.7 | NA | 16 | 0-5" - Brown, moist, well sorted FINE to COARSE SAND, little rounded fine gravel, trace silt, loose, non-cohesive, no odors or visual impacts<br>5-16" - Brown, moist, well sorted, SILTY SAND, trace clay, semi-cohesive, wet in tip of spoon, no odors or visual impacts PID=0.5, 0.1, 0.2, 0.1 |

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# SOIL BORING (B-7)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-7 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/16/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 49.0' | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 19.47' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 49' |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 17<br>18 | 16-18 | 1.9 | 7<br>8<br>8<br>10 | 24/22 | 0-2" - Brown, moist FINE to COARSE SAND, trace sub-rounded fine gravel, loose<br>** 2-22" - Brown, wet, well sorted FINE SAND, some silt, semi-cohesive, no odors or visual impacts<br>PID=0.5, 0.4, 0.4, 2.6 |
| 19<br>20 | 18-20 | 4.2 | 3<br>9<br>12<br>37 | 24/18 | Brown, wet, well sorted FINE SAND, some silt, trace coarse sand, dense, semi-cohesive, no odors or visual impacts<br>PID=0.4, 0.6, 0.6, 0.2 |
| 21<br>22 | 20-22 | 1.1 | 8<br>27<br>25<br>50/4" | 22/17 | 0-5" - Brown, wet, well sorted FINE SAND, some silt, semi-cohesive<br>5-17" - Light brown-brown, wet, well sorted FINE to MEDIUM SAND, some silt, little sub-rounded fine gravel, dense, semi-cohesive, no odors of visual impacts<br>PID=0.2, 0.4, 0.6, 0.6 |
| 23<br>24 | 22-24 | 1.8 | 12<br>19<br>34<br>40 | 24/24 | 0-10" - Brown, wet, well sorted FINE to MEDIUM SAND, some silt and rounded fine gravel, trace coarse sand, no odors or visual impacts<br>10-24" - Brown, wet, well sorted FINE SAND and SILT, some rounded fine gravel, semi-cohesive, no odors or visual impacts PID=0.2, 0.3, 0.4, 0.4 |
| 25<br>26 | 24-26 | 0.8 | 25<br>46<br>50/4" | 16/14 | 0-4" - Brown, wet, COARSE SAND, some fine sand, non-cohesive,<br>4-14" - Light brown, moist, well sorted FINE to COARSE SAND, some silt, dense, semi-cohesive, no odors or visual impacts<br>PID=0.1, 0.1, 0.2, 0.3 |
| 27<br>28 | 26-28 | 0.8 | 25<br>36<br>22<br>21 | 24/13 | 0-8" - Brown, moist FINE to MEDIUM SAND, some coarse sand and sub-angular fine gravel, little silt, no odors or visual impacts<br>8-13" - Black weathered bedrock with mica flecks, some brown, moist fine to medium sand and sub-angular fine gravel, dense, no odors or visual impacts PID=0.3, 0.2, 0.3 |
| 29<br>30 | 28-30 | NA | NA | 0 | No Recovery |
| 31<br>32 | 30-32 | 2.4 | 39<br>23<br>37<br>40 | 24/16 | 0-2" - Light brown-gray, moist FINE to COARSE SAND, some silt, trace cobbles and sub-angular fine gravel, no odors or visual impacts<br>2-11" - Orange-brown, poorly sorted CLAY, SILT, and FINE to COARSE SAND, dense<br>11-16" - White-light gray, weathered quartz bedrock PID=0.3, 0.2, 0.2, 0.4 |

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# SOIL BORING (B-7)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-7 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/16/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 49.0' | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 19.47' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 49' |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 33<br>34 | 32-34 | 1.0 | 37<br>38<br>41<br>50/0" | 18/16 | 0-10" - Reddish-brown, moist, SILT and CLAY, some mica flecks and fine to coarse sand, semi-cohesive, no odors or visual impacts<br>10-16" - White-gray weathered quartz bedrock<br>PID=0.3, 0.2, 0.3 |
| 35<br>36 | 34-36 | 0.7 | 48<br>49<br>37<br>50/2" | 20/19 | 0-3" - Grey-brown, moist CLAY, some mica flecks, no odors or visual impacts<br>3-19" - White-gray, weathered quartz bedrock<br>PID=0.3, 0.3, 0.3, 0.2 |
| 37<br>38 | 36-38 | NA | 21<br>23<br>49<br>50/4" | 22/0 | No Recovery |
| 39<br>40 | 38-40 | 0.7 | 20<br>39<br>46<br>50/3" | 21/11 | Brown-black, heavily weathered bedrock, some silt, clay, and fine sand with mica flecks, dense, semi-cohesive, no odors or visual impacts<br>PID=0.3, 0.3, 0.2, 0.4 |
| 41<br>42 | 40-42 | 0.8 | 21<br>22<br>38<br>50/3" | 21/19 | Reddish-brown, moist, well sorted CLAY, some silt, dense, cohesive, no odors or visual impacts<br>PID=0.3, 0.4, 0.3, 0.3 |
| 43<br>44 | 42-44 | 0.7 | 25<br>41<br>29<br>50/5" | 23/18 | 0-4" - Brown, moist CLAY, some silt and mica flecks, dense, cohesive<br>4-18" - Brown-gray, moist, heavily weathered bedrock, some CLAY and SILT, dense, cohesive, no odors or visual impacts<br>PID=0.3, 0.3, 0.3, 0.3 |

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# SOIL BORING (B-7)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-7 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/16/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 49.0' | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 19.47' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 49' |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 45 | 44-46 | 0.8 | 25<br>39<br>44<br>50/4" | 22/18 | 0-8" - Dark gray-brown, moist, well sorted CLAY and SILT, dense, semi-cohesive<br>8-18" - Dark gray, moist weathered bedrock, some clay with mica flecks, very dense, no odors or visual impacts<br>PID=0.5, 0.4, 0.4, 0.2 |
| 46<br>47 | 46-48 | NA | 50/3" | 3/3 | Dark gray weathered rock with mica flecks and fine quartz grains, very dense<br>** Spoon refusal at 46' 3" |
| 48 | | | | | PID=0.3, 0.4, 0.3 |

Auger refusal at 49.0'
End of boring

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# SOIL BORING (B-8)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-8 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/14/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 32' 1" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 21.31' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 32' 1" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available  Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1 | | | | | Hand cleared borehole to 5.0' bgs |
| 2 | | | | | 0-2" Asphalt<br>2"-6" FILL Brown and gray SAND, some silt and gravel |
| 3 | | | | | 0.5-5' FILL: Brown and black SAND, gravel and brick pieces, little silt, no odors, no staining |
| 4 | | | | | ** PID= 0.1 ppm |
| 5 | 4-6 | 1.8 | 10<br>13<br>16<br>33 | 24/12 | 0-2" - asphalt cold patch<br>2-5"- SAND (fill from clearing hole)<br>5-12" - FILL: brown, dry, well sorted SAND, some silt, trace fine gravel, loose, moderately cohesive, no odors or visual impacts PID= 0.4, 0.3 |
| 6 | | | | | |
| 7 | 6-8 | 16.1 | 22<br>16<br>15<br>35 | 24/7 | FILL: brown-gray and black, dry, well sorted SAND and GRAVEL, loose, non-cohesive, no odors or visual impacts |
| 8 | | | | | PID=0.3 |
| 9 | 8-10 | 3.6 | 10<br>26<br>41<br>12 | 24/9 | FILL: brown and black, dry, well sorted SAND, trace silt, trace coal, no odors or visual impacts |
| 10 | | | | | PID=0.2, 0.4 |
| 11 | 10-12 | 2.8 | 12<br>17<br>19<br>5 | 24/6 | Brown, dry, well sorted SAND, trace silt, loose, non-cohesive, no odors or visual impacts |
| 12 | | | | | PID=0.9, 1 |
| 13 | 12-14 | NA | 50/3" | 3/3 | Brown, wet, well sorted SAND, trace silt and fine gravel, non-cohesive, no odors or visual ** impacts, thin layer of black sand with quartz in tip of spoon |
| 14 | | | | | PID=0.4, 0.4 |
| 15 | 14-16 | 1.7 | 50<br>50/2" | 8/6 | Brown and black, wet, poorly sorted SAND, trace silt, dense, non-cohesive, no odors or visual impacts, black sand contains quartz |
| 16 | | | | | PID=0.4, 0.3 |

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# SOIL BORING (B-8)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-8 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/14/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 32' 1" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 21.31' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 32' 1" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| | | | 5 | | Brown and gray, wet, well sorted CLAY and SILT, trace fine sand, dense, cohesive, |
| 17 | 16-18 | 4.5 | 7 | 24/24 | no odors or visual impacts |
| | | | 8 | | |
| 18 | | | 14 | | PID=0.4, 0.3, 0.3, 0.4 |
| | | | 10 | | 0-5" - Same as above |
| 19 | 18-20 | 2.3 | 15 | 24/18 | 5-18" - Brown, wet, well sorted FINE SAND and SILT, dense, cohesive, |
| | | | 19 | | no odors or visual impacts |
| 20 | | | 16 | | PID=0.4 |
| | | | 7 | | 0-6" - Same as above |
| 21 | 20-22 | 6.3 | 5 | 24/24 | 6-18" - Orange-brown, wet, well sorted SAND, little silt, loose, non-cohesive, |
| | | | 25 | | no odors or visual impacts |
| 22 | | | 36 | | PID=0.4, 0.5 |
| | | | 13 | | 0-10" - Same as above, no odors or visual impacts |
| 23 | 22-24 | 3.7 | 16 | 24/24 | 10-12" - Black, well sorted quartz SAND, loose, non-cohesive |
| | | | 18 | | 12-16" - Brown, wet, poorly sorted SAND and GRAVEL, loose, non-cohesive |
| 24 | | | 24 | | 16-24" - Reddish brown, wet, well sorted SILT, trace clay, dense, cohesive PID= 0.4, 0.5 |
| | | | | | Reddish-brown, moist, well sorted, varved SILT, trace clay, dense, cohesive, |
| 25 | 24-26 | 3.5 | NA | 24/20 | no odors or visual impacts |
| 26 | | | | | PID=0.1, 0.3 |
| | | | 10 | | Reddish brown - gray, moist , well sorted, varved CLAY, some silt, dense, cohesive, |
| 27 | 26-28 | 4.2 | 10 | 24/24 | no odors or visual impacts |
| | | | 10 | | |
| 28 | | | 10 | | PID=0, 0.1 |
| | | | 12 | | Brown, moist, well sorted CLAY, some silt, dense, cohesive, 0.5" sand lens at 13", |
| 29 | 28-30 | 4.7 | 14 | 24/20 | no odors or visual impacts |
| | | | 16 | | |
| 30 | | | 12 | | PID=0 |
| | | | 11 | | 0-10" - Brown, wet, well sorted MEDIUM SAND, trace fine sand, loose, non-cohesive, |
| 31 | 30-32 | 2.8 | 12 | 24/23 | ** no odors or visual impacts |
| | | | 9 | | 10-23" - Brown, wet, well sorted SILT, some clay, dense, cohesive, |
| 32 | | | 11 | | no odors or visual impacts PID=0 |

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# SOIL BORING (B-8)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-8 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/14/2004 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 32' 1" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 21.31' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 32' 1" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 33 | 32-34 | NA | 50/1" | 1/0 | |
| 34 | | | | | |

Spoon and auger refusal at 32' 1"
End of boring

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# SOIL BORING (B-9)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-9 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Dan Burke | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/30/2004, 2/2/04 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 21' 2" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 14.90' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 21' 2" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1<br>2<br>3<br>4<br>5 | | | | | Hand cleared borehole to 5.0' bgs<br><br>0-10" FILL: Brown to dark grey fine to coarse SAND, little subangular gravel<br>10"-14" FILL: Light tan coarse SAND<br>14"-5' FILL: Dark brown SAND, some sub-angular gravel, dry, no odors, no staining<br>wet at 4.5 feet bgs |
| 6<br>7 | 5-7 | NA | 9<br>4<br>5<br>4 | 24/5 | FILL: Brown, wet, poorly sorted FINE to COARSE SAND, some silt and sub-angular<br>** gravel, medium dense, non-cohesive, concrete in tip of spoon,<br>no odors or visual impacts<br>PID= 0 |
| 8<br>9 | 7-9 | NA | 3<br>3<br>2<br>7 | 24/0 | No Recovery |
| 10<br>11 | 9-11 | 2.2 | 2<br>3<br>3<br>15 | 24/1 | FILL: Brown-gray, wet, poorly sorted FINE to MEDIUM SAND, some silt, one rounded<br>cobble, wood fibers, loose, non-cohesive, no odors or visual impacts<br><br>PID= 0 |
| 12<br>13 | 11-13 | 1.1 | 2<br>2<br>2<br>3 | 24/10 | 0-7" - FILL: Brown, wet, well sorted FINE to COARSE SAND, trace silt, loose,<br>non-cohesive, no odors or visual impacts<br>7-8" - Wood fibers<br>8-10" - FILL: Brown, wet, well sorted SAND and SILT, loose, semi-cohesive, PID= 0 |
| 14<br>15 | 13-15 | NA | 3<br>3<br>6<br>4 | 24/14 | 0-14" - FILL: Brown, wet, well sorted FINE to MDIUM SAND, trace coarse sand<br>** and silt, loose, non-cohesive, no odors or visual impacts<br><br>PID= 0 |
| 16<br>17 | 15-17 | NA | 50/2" | 2/1 | CONCRETE<br>drilled through concrete to 21', still concrete, drove another spoon<br><br>PID= 0 |

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# SOIL BORING (B-9)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | B-9 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Dan Burke | **Site Address:** | Kingsbridge Station, Bronx NY |
| **Date:** | 1/30/2004, 2/2/04 | **Contractor:** | Aquifer Driller & Testing |
| **Total Depth:** | 21' 2" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 14.90' | **Drilling Method:** | Hollow stem auger |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | NA | **Bentonite Seal (from - to):** | NA |
| **Screen (from - to):** | NA | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | NA | **Cement Grout (from - to):** | 0 to 21' 2" |
| **Sand Pack (from - to):** | NA | **Well Cover Type:** | NA |

**Notes:** ** Analytical sample collected
NA - Not Available Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 18<br>19 | 17-19 | NA | NA | NA | CONCRETE |
| 20<br>21 | 19-21 | NA | NA | NA | CONCRETE |
| 22<br>23 | 21-23 | NA | 150/2" | 2/2 | 0-2" - CONCRETE, no odors, no visual contamination<br>PID= 0 |

Over 6' of concrete encountered
End of boring at 21' 2"

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# SOIL BORING/WELL LOG (MW-1)

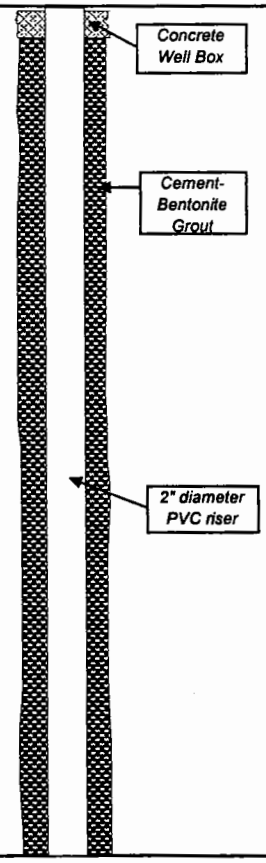
| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-1 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 2/5/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 31' 11" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 39.18' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 38.72' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 19.0' | **Bentonite Seal (from - to):** | 15.0' - 17.0' |
| **Screen (from - to):** | 19.0' - 29.0' | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 1.0' - 15.0' |
| **Sand Pack (from - to):** | 17.0' - 29.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected
NA - Not Available

Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | | Soil/Geologic Description |
|---|---|---|---|---|---|---|
| 1<br>2<br>3<br>4<br>5 | | | | | ** | Hand cleared borehole to 5.0' bgs<br><br>0-2" Asphalt<br>2"-5' FILL: Brown fine to coarse SAND, and fine to coarse gravel numerous pieces of brick, no staining, no odors |
| 6<br>7 | 5-7 | 2.2 | 5<br>5<br>5<br>5 | 24/9 | | FILL: Black Asphalt, brown SUB-ANGULAR FINE GRAVEL, 1" of brown moist, well sorted fine sand, some silt, pulverized rock in tip of spoon, loose, non-cohesive, no odor or visual impacts PID= 0.2, 0.2 |
| 8<br>9 | 7-9 | 1.0 | 3<br>2<br>1<br>1 | 24/4 | | FILL: Brown, moist, poorly sorted FINE to MEDIUM SAND, some sub-angular fine gravel, trace coarse sand and brick fragments, loose, non-cohesive, no odors or visual impacts PID= 0.2, 0.2 |
| 10<br>11 | 9-11 | NA | 3<br>2<br>2<br>2 | 24/0 | | No Recovery - fabric in soil cuttings |
| 12<br>13 | 11-13 | 1.2 | NA | 4 | | 0-2" - FILL: Reddish brown, dry, well sorted FINE SAND, loose, non-cohesive, no odors or visual impacts PID= 0.2<br>2-4" - FILL: Brown, moist, poorly sorted FINE to COARSE SAND, trace silt and fine gravel, no odors or visual impacts |
| 14<br>15 | 13-15 | 1.0 | 3<br>2<br>2<br>2 | 24/19 | ** | FILL: Reddish brown, dry, well sorted, FINE SAND, some silt, loose, non-cohesive, no odors or visual impacts<br><br>PID= 0.2, 0.2 |

**WELL DIAGRAM**



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# SOIL BORING/WELL LOG (MW-1)

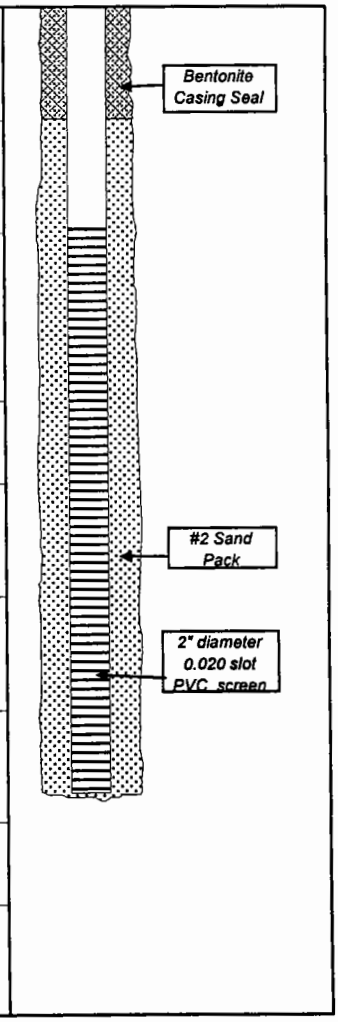
| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-1 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 2/5/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 31' 11" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 39.18' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 38.72' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 19.0' | **Bentonite Seal (from - to):** | 15.0' - 17.0' |
| **Screen (from - to):** | 19.0' - 29.0' | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 1.0' - 15.0' |
| **Sand Pack (from - to):** | 17.0' - 29.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected
NA - Not Available

Proportions Used: Trace - 1-10% Some - 20-30%
Little - 10-20% And - 30-50%

| | | | | | | |
|---|---|---|---|---|---|---|
| 16<br>17 | 15-17 | 5.0 | 2<br>3<br>3<br>4 | 24/18 | | FILL: Reddish brown, dry, well sorted FINE SAND, some silt (becoming siltier towards tip of spoon), loose, non-cohesive, no odors or visual impacts<br>PID= 0.2, 0.2 |
| 18<br>19 | 17-19 | 3.0 | 5<br>6<br>11<br>8 | 24/19 | | 0-15" - FILL: Reddish brown, dry, well sorted FINE SAND and SILT, dense, non-cohesive, no odors or visual impacts<br>15-19" - FILL: Tan, dry, well sorted MEDIUM to COARSE SAND, some fine gravel, loose, non-cohesive, PID=0.2, 0.3 |
| 20<br>21 | 19-21 | 2.0 | 10<br>10<br>10<br>10 | 24/12 | | 0-6" - FILL: Reddish brown, moist, well sorted FINE to MEDIUM SAND, trace coarse sand and rounded fine gravel, non-cohesive, no odors or visual impacts<br>6-7" - Quartz rock fragments |
| 22 | 21-23 | 16.2 | 5<br>6 | 24/15 | | 7-15" - FILL: Brown-tan, moist, well sorted FINE to MEDIUM SAND, trace silt and coarse gravel, non-cohesive, PID=0.2 |
| 23 | | | 13<br>11 | | | FILL: Brown, wet, poorly sorted FINE to COARSE SAND, some gravel, non-cohesive, marble-like rock in tip |
| 24<br>25 | 23-25 | 2.0 | 1<br>3<br>3<br>2 | 24/16 | ** | faint hydrocarbon-like odor, no visual impacts, PID=81, 65<br>FILL: Brown, wet, poorly sorted FINE to COARSE SAND, some silt and sub-angular fine gravel, non-cohesive, very faint hydrocarbon-like odor between 8-10", no visual impacts |
| 26<br>27 | 25-27 | 14.0 | 5<br>4<br>4<br>6 | 24/14 | | PID= 30, 26, 6.2<br>FILL: Brown, wet, poorly sorted FINE to COARSE SAND, some sub-angular fine gravel, trace silt, loose, non-cohesive, natural soil odor throughout, no visual impacts |
| 28<br>29 | 27-29 | 3.0 | WOR<br>2<br>3<br>2 | 24/23 | ** | PID= 30, 180, 12.2<br>FILL: 0-7" - Brown, wet, poorly sorted MEDIUM to COARSE SAND, some silt, non-cohesive, no odors or visual impacts<br>7-22" - Brown, wet, well sorted, FINE SAND and SILT |
| 30<br>31 | 29-31 | 0.0 | 1<br>1<br>1<br>1 | 24/12 | | 22-23" - Same as 0-7" interval PID= 0.4, 7.2, 4.2<br>Brown wet, poorly sorted, MEDIUM to COARSE SAND grading to FINE to MEDIUM SAND, some silt, trace rounded medium gravel, mica flecks, no odors or visual impacts |
| 32<br>33 | 31-33 | 0.0 | 5<br>9<br>50/5" | 17/12 | ** | Brown, moist, SILT, trace fine to coarse sand and sub-angular fine gravel, weathered black rock fragments with mica flecks in tip of spoon<br>PID= 0.5, 0.4, 0.5 |

Spoon and auger refusal at 31' 11"
End of boring



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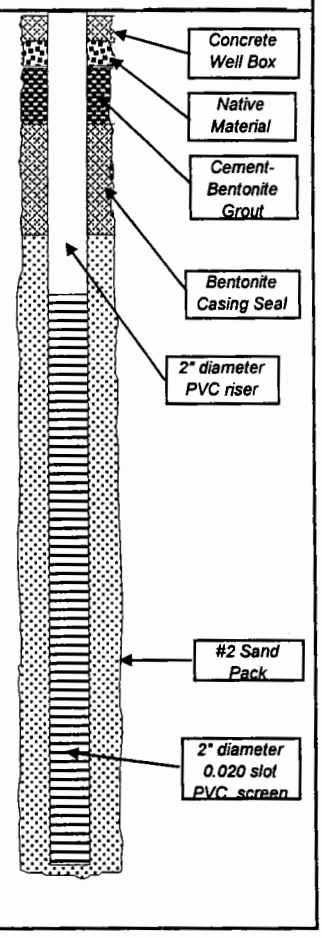
# SOIL BORING/WELL LOG (MW-2)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-2 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/22/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 24' 1" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 16.01' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 15.53' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 5.0' | **Bentonite Seal (from - to):** | 1.0' - 2.0' |
| **Screen (from - to):** | 5.0' - 15.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 1.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 2.0' - 4.0' |
| **Sand Pack (from - to):** | 4.0' - 15.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collectec Proportions Used: Trace - 1-10% Some - 20-30%
NA - Not Available Little - 10-20% And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1<br>2<br>3<br>4 | | | | | Hand cleared borehole to 5.0' bgs<br>0-2" Asphalt<br>2"-2.5' FILL: SAND, some silt and fine gravel, trace brick<br>no odors, no visual impacts.<br>large cobble pieces from 2.5' to 5'.<br><br>PID= 0.0 |
| 5<br>6 | 4-6 | 16.9 | 5<br>1<br>3<br>5 | 24/7 | FILL: Brown, dry, FINE to COARSE SAND, some rounded<br>fine gravel, some silt<br>black conglomerate rock in bottom 2"<br>no odors or visual impacts, PID= 1.0, 0.8, 0.7 |
| 7<br>8 | 6-8 | 2.2 | 7<br>15<br>8<br>4 | 24/10 | 0-7" - FILL: Brown, dry, poorly sorted FINE to COARSE SAND,<br>trace silt and sub-angular fine gravel, non-cohesive,<br>no odors or visual impacts<br>PID= 0.9, 0.8, 0.7 |
| 9<br>10 | 8-10 | NA | 6<br>2<br>2<br>8 | 24/0 | No Recovery - cobble in tip of spoon |
| 11<br>12 | 10-12 | 2.3 | 2<br>4<br>7<br>8 | 24/5 | FILL: Brown, wet, angular fine gravel, brick fragments,<br>dark gray fine sand and silt between 2-3"<br>no odors or visual impacts<br>PID= 0.4, 0.4, 0.4 |
| 13<br>14 | 12-14 | NA | 22<br>1<br>1 | 18/6 | 0-5" - FILL: Brown, wet, FINE SAND, some coarse<br>** sand and silt, brick fragments, no odors or visual impacts<br>5-6" - FILL: Brown, wet, COARSE SAND, trace fine to<br>medium sand and gravel, no odors of visual impacts<br>PID= 0.5, 0.5 |
| 15<br>16 | 14-16 | NA | 1<br>2<br>11 | 18/0 | No Recovery |



GEI Consultants, Inc.

# SOIL BORING/WELL LOG (MW-2)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-2 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/22/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 24' 1" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 16.01' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 15.53' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 5.0' | **Bentonite Seal (from - to):** | 1.0' - 2.0' |
| **Screen (from - to):** | 5.0' - 15.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 1.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 2.0' - 4.0' |
| **Sand Pack (from - to):** | 4.0' - 15.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collectec Proportions Used: Trace - 1-10% Some - 20-30%
NA - Not Available Little - 10-20% And - 30-50%

| | | | | | | |
|---|---|---|---|---|---|---|
| 17 | 16-17 | 3.3 | 17<br>50/3" | 9/6 | ** | FILL: Brown, wet, COARSE SAND and SUB-ANGULAR FINE GRAVEL, trace brick fragments, organic material at 3", faint hydrocarbon-like odor, no visual impacts |
| 18<br>19<br>20 | 17-20 | NA | 100/1' | 1/1 | | Light brown-gray material in tip of spoon: possible bonding agent or grouting material, glue-like odor, PID= 5.0<br>Spoon and auger refusal at 17.0'<br>Concrete in tip of spoon driven at 17.0'<br>Concrete from 17.0' - 20.5' |
| 21<br>22 | 20-22 | NA | NA<br>36<br>50/3" | 9/0 | | Concrete wash |
| 23<br>24 | 22-24 | NA | 50/4" | 4/3 | | Black, weathered rock with mica flecks<br>PID= 0.8 |
| 25<br>26 | 24-26 | NA | 100/1' | 1/1 | | Bedrock encountered at 24' 1"<br>End of boring<br>Well set in adjacent borehole at 15.0' |

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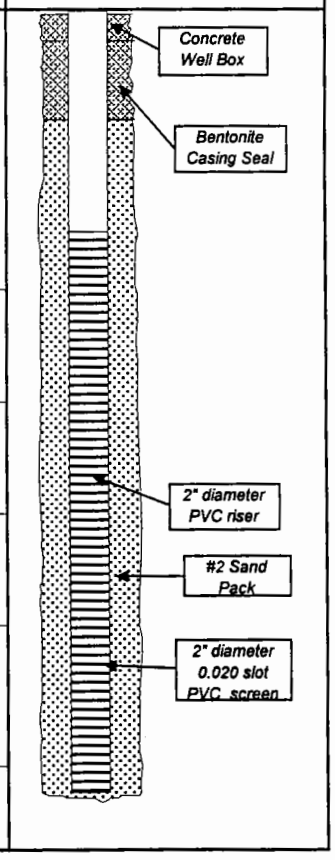
# SOIL BORING/WELL LOG (MW-3)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-3 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 2/2/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 17' 10" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 15.62' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 15.08' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 4.0' | **Bentonite Seal (from - to):** | 0.5' - 2.0' |
| **Screen (from - to):** | 4.0' - 14.0' | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 0.0' - 0.5' |
| **Sand Pack (from - to):** | 2.0' - 14.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected  Proportions Used: Trace - 1-10%  Some - 20-30%
NA - Not Available  Little - 10-20%  And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1 | | | | | Hand cleared borehole to 5.0' bgs |
| 2 | | | | | 0-1.5' FILL: Brown SAND, some silt and fine gravel. PID: 0.0 ppm |
| 3 | | | | | 1.5-4' FILL: SAND, some silt and fine gravel, trace coal and brick, soil stained black, no odors. PID: 0.0 ppm |
| 4 | | | | | 4'-5' FILL SAND, some gravel and silt, stained black |
| 5 | | | | | ** with slight sheen, moderate hydrocarbon odor PID: 9-10 ppm |
| 6 | 5-7 | 0.0 | 4 9 12 9 | 24/11 | 0-7" - FILL: Brown, moist, FINE SAND, some silt, trace weathered black rock with mica flecks 7-8" - White quartz rock fragments, portions weathered 8-11" - FILL: Same as 0-7" interval, PID=0 |
| 7 | | | | | |
| 8 | 7-9 | 0.0 | 4 3 2 3 | 24/10 | 0-7" - FILL: Brown, wet, poorly sorted FINE to COARSE ** SAND, little silt, trace sub-angular fine gravel, loose, non-cohesive, no odors or visual impacts 7-10" - FILL: BRICK FRAGMENTS , PID= 0 |
| 9 | | | | | |
| 10 | 9-11 | NA | 5 3 3 3 | 24/0 | No Recovery - rock in tip of spoon |
| 11 | | | | | |
| 12 | 11-13 | 0.0 | 1 10 7 5 | 24/13 | 0-7" FILL: Brown, wet, FINE to COARSE SAND, little silt, trace sub-angular fine gravel and rock fragments, loose 7-13" - FILL: Reddish brown, wet, well sorted FINE SAND and SILT, little black weathered rock with mica flecks, semi-cohesive, no odors of visual impacts, PID= 0 |
| 13 | | | | | |
| 14 | 13-15 | NA | 4 6 2 2 | 24/1 | FILL: Brown, wet, FINE SAND and SILT, brick fragments, trace sub-angular fine gravel, non-cohesive, no odors or visual impacts, wood in tip of spoon, PID= 0 |
| 15 | | | | | |

**WELL DIAGRAM**



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# SOIL BORING/WELL LOG (MW-3)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-3 | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 2/2/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 17' 10" | **Driller:** | Victor Champagne |
| **Elevation (ground):** | 15.62' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 15.08' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 4.0' | **Bentonite Seal (from - to):** | 0.5' - 2.0' |
| **Screen (from - to):** | 4.0' - 14.0' | **Annular Fill Type/Depth:** | NA |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 0.0' - 0.5' |
| **Sand Pack (from - to):** | 2.0' - 14.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected
NA - Not Available

Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 16<br>17 | 15-17 | NA | 1<br>2<br>1<br>5 | 24/8 | ** | FILL: Brown, wet, poorly sorted FINE to COARSE SAND, trace silt, cobble at 6", wood at 7", loose, semi-cohesive, no odors or visual impacts<br>PID= 0, 0.6 | |
| 18<br>19 | 17-19 | NA | 42<br>50/4" | 10/10 | | Black weathered rock with mica flecks, some coarse quartz grains, very dense, no odors or visual impacts<br>PID= 0 | |

Bedrock encountered at 17' 10"
End of Boring

GEI Consultants, Inc.

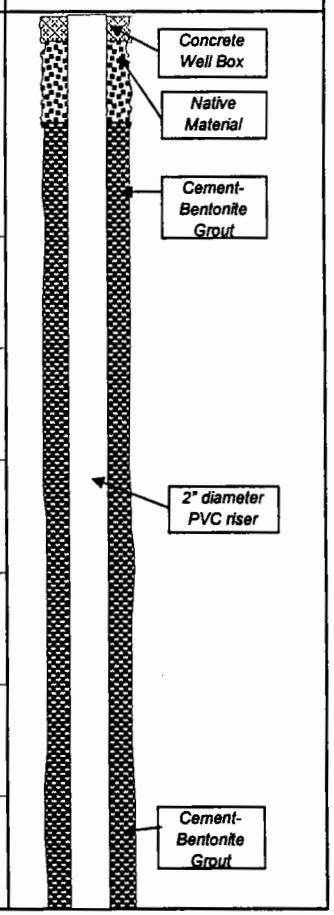
# SOIL BORING/WELL LOG (MW-4D)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-4D | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/26/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 32' 3" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 17.49' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 17.15' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 27.0' | **Bentonite Seal (from - to):** | 18.0' - 20.0' |
| **Screen (from - to):** | 27.0' - 32.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 1.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 2.0' - 18.0' |
| **Sand Pack (from - to):** | 20.0' - 32.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected  Proportions Used: Trace - 1-10%  Some - 20-30%
NA - Not Available  Little - 10-20%  And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1<br>2<br>3<br>4 | | | | | Hand cleared borehole to 5.0' bgs<br>**<br>0-2" Asphalt<br>2"-7" FILL: Gray to brown Sand, some fines, trace gravel.<br>0.5'-1.5' concrete faint naphthalene odor below concrete.<br>No sample collected below concrete. |
| 5<br>6 | 4-6 | 1.4 | 9<br>12<br>14<br>15 | 24/9 | FILL: Brown, dry, poorly sorted FINE to MEDIUM SAND, some angular medium gravel, trace brick fragments and wood, trace silt, loose, non-cohesive, no odors or visual impacts, PID= 0 |
| 7<br>8 | 6-8 | | 10<br>50/2" | 8/7 | 0-5" - FILL: Same as above, trace coal<br>5-7" - FILL: Brown, dry, well sorted FINE SAND, some silt, dense, non-cohesive, no odor or visual impacts<br>PID= 0, 0.4 |
| 9<br>10 | 8-10 | 1.2 | 13<br>15<br>30<br>21 | 24/12 | FILL: Brown, moist, poorly sorted MEDIUM to COARSE SAND, some silt, quartz gravel, and black rock with mica flecks, trace coal, loose, non-cohesive, no odor or visual impacts, PID= 0 |
| 11<br>12 | 10-12 | NA | 12<br>15<br>12<br>7 | 24/8 | ** FILL: Brown-black, wet, well sorted MEDIUM to COARSE SAND, some black rock fragements with mica flecks, trace silt, loose, non-cohesive, no odors or visual impacts, PID= 0 |
| 13<br>14 | 12-14 | 3.2 | 3<br>4<br>5<br>7 | 24/2 | FILL: Brown, wet, well sorted MEDIUM SAND, trace silt, gravel, and brick fragments, loose, non-coheisve, no odors or visual impacts<br>PID= 0 |
| 15<br>16 | 14-16 | 2.9 | 3<br>3<br>6<br>8 | 24/16 | 0-3" - FILL: Same as above<br>3-7" - FILL: Black, wet, poorly sorted COARSE SAND, some brick and coal, trace silt, loose, no odors or visual impacts<br>7-16" - FILL: Brown, wet, well sorted MEDIUM SAND, PID= 0 |

**WELL DIAGRAM**



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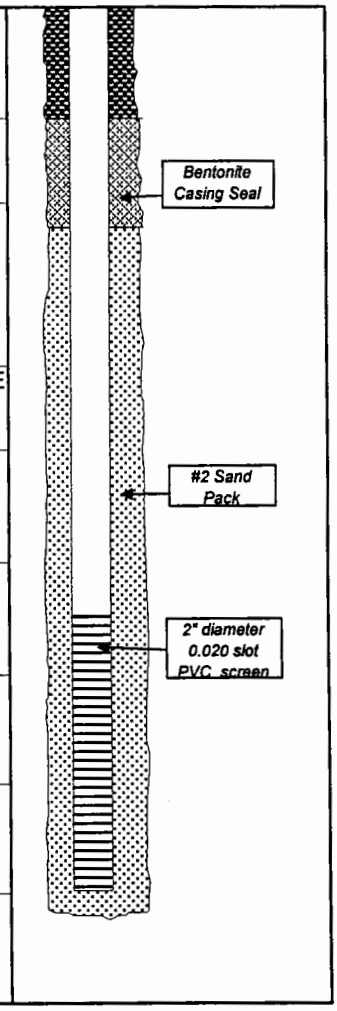
# SOIL BORING/WELL LOG (MW-4D)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-4D | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Melissa Wells | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/26/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 32' 3" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 17.49' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 17.15' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 27.0' | **Bentonite Seal (from - to):** | 18.0' - 20.0' |
| **Screen (from - to):** | 27.0' - 32.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 1.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 2.0' - 18.0' |
| **Sand Pack (from - to):** | 20.0' - 32.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected  Proportions Used: Trace - 1-10%  Some - 20-30%
NA - Not Available  Little - 10-20%  And - 30-50%

| | | | | | |
|---|---|---|---|---|---|
| 17<br>18 | 16-18 | 0.9 | 7<br>5<br>50/0" | 12/2 | FILL: Brown, wet, well sorted FINE to COARSE SAND, trace fine to medium gravel and silt, loose, non-cohesive, wood piece to tip of spoon, no odors or visual impacts<br>PID= 0 |
| 19<br>20 | 18-20 | 0.8 | 50<br>50/0" | 6/6 | Reddish brown-black, wet, well sorted MEDIUM SAND, some silt, trace fine gravel, loose, non-cohesive, no odors or visual impacts, PID= 0<br>0-5" - Same as above |
| 21<br>22 | 20-22 | 2.2 | 10<br>2<br>14<br>8 | 24/14 | 5-10" - Brown, wet, well sorted FINE SAND and CLAY, some organic material, medium dense, cohesive<br>10-14" - Reddish purple-black, wet, well sorted FINE to COARSE SAND, some mica flecks, loose, non-cohesive, no odors or visual impacts, PID= 0, 0.1 |
| 23<br>24 | 22-24 | 4.2 | NA | 5 | Dark brown-black, wet, well sorted MEDIUM to COARSE SAND, some quartz grains, trace silt, loose, non-cohesive, no odors or visual impacts, PID= 0.1 |
| 25<br>26 | 24-26 | 2.4 | 7<br>3<br>4<br>5 | 24/24 | Brown-black, wet, well sorted MEDIUM to COARSE SAND, some angular fine to medium gravel, trace silt, very loose, non-cohesive, no odor or visual impacts<br>PID= 0.1 |
| 27<br>28 | 26-28 | 2.3 | 5<br>3<br>12<br>15 | 24/17 | Gray-brown, wet, well sorted MEDIUM to COARSE SAND, trace silt and well rounded fine gravel, speckled black and red quartz grains, loose, non-cohesive, no odors or visual impacts, PID= 0.1 |
| 29<br>30 | 28-30 | 1.8 | 13<br>15<br>17<br>19 | 24/24 | Gray-brown, wet, poorly sorted MEDIUM to COARSE SAND, some angular and well-rounded fine to medium gravel, trace silt, loose, non-cohesive, no odor or visual impacts<br>PID= 0.1 |
| 31<br>32 | 30-32 | 0.7 | 31<br>50/1" | 7/7 | Gray-brown, wet, poorly sorted, FINE to COARSE SAND, trace silt and angular fine to medium gravel, loose, non-cohesive, no odors or visual impacts<br>PID= 0.1, 0.2 |
| 33<br>34 | 32-34 | 0.5 | 50/3" | 3/3 | Black, weathered rock with mica flecks in tip of spoon<br>**<br>PID= 0.1, 0.2 |

Spoon and auger refusal at 32' 3"
End of boring
Well set at 32.0'



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# SOIL BORING/WELL LOG (MW-4S)

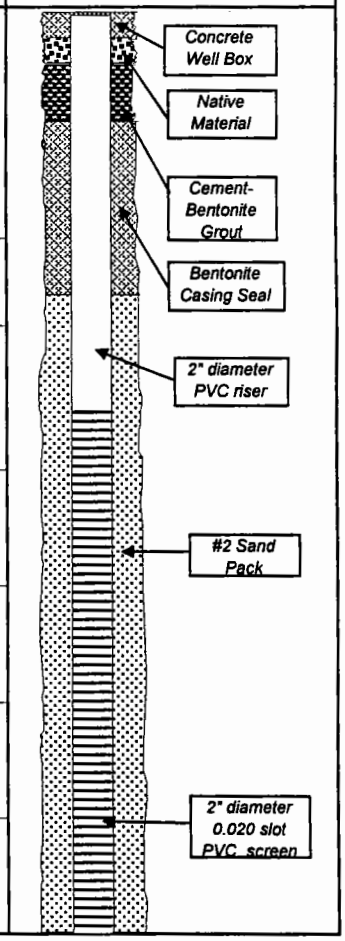
| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-4S | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/26/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 18.0' | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 17.25' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 17.01' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 7.0' | **Bentonite Seal (from - to):** | 2.0' - 5.0' |
| **Screen (from - to):** | 7.0' - 17.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 1.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 1.0' - 2.0' |
| **Sand Pack (from - to):** | 5.0' - 17.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected
NA - Not Available

Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1, 2, 3, 4 | | | | | Hand cleared borehole to 5.0' bgs |
| 5 | | | | | See MW-4D Log |
| 6 | | | | | 0-4" - Asphalt cold patch |
| 7, 8 | 6-8 | 0.0 | 13<br>21<br>31<br>50/2" | 20/13 | 4-13" - FILL: Brown, dry, poorly sorted FINE to COARSE SAND, some silt and rounded-sub-angular fine gravel, slate and rock fragment at 7", dense, non-cohesive, no odors of visual impacts |
| 9, 10 | 8-10 | 0.0 | 100/3' | 3/2 | FILL: Asphalt cold patch, wash from above<br>PID= 0 |
| 11, 12 | 10-12 | NA | 7<br>17<br>10<br>14 | 24/0 | No Recovery |
| 13, 14 | 12-14 | 0.0 | 3<br>4<br>4<br>5 | 24/20 | FILL: Gray-brown, wet, well sorted FINE SAND, some silt, loose, semi-cohesive, peat from 1-10", no odors or visual impacts<br>PID= 0 |
| 15, 16 | 14-16 | 0.0 | 1<br>2<br>1<br>2 | 24/12 | FILL: Brown, wet, well sorted FINE SAND, some silt, loose, semi-cohesive, no odors or visual impacts<br>PID= 0 |

**WELL DIAGRAM**



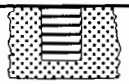
GEI Consultants, Inc.

# SOIL BORING/WELL LOG (MW-4S)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-4S | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/26/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 18.0' | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 17.25' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 17.01' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 7.0' | **Bentonite Seal (from - to):** | 2.0' - 5.0' |
| **Screen (from - to):** | 7.0' - 17.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 1.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 1.0' - 2.0' |
| **Sand Pack (from - to):** | 5.0' - 17.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected
NA - Not Available

Proportions Used: Trace - 1-10%
Little - 10-20%
Some - 20-30%
And - 30-50%

| | | | | | | |
|---|---|---|---|---|---|---|
| 17<br>18 | 16-18 | 0.0 | 2<br>2<br>3<br>2 | 24/9 | Gray-brown, wet, well sorted FINE SAND, some silt, trace coarse sand and fine gravel, loose, semi-cohesive, natural black banding throughout, no odors or visual impacts<br>PID= 0 |  |

End of boring at 18.0'
Well set at 17.0'

GEI Consultants, Inc.

# SOIL BORING/WELL LOG (MW-5D)

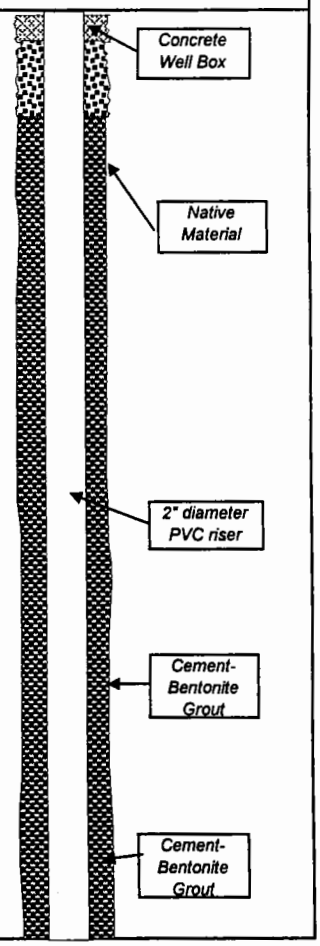
| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-5D | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/20/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 38' 4" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 23.57' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 23.27' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 33.0' | **Bentonite Seal (from - to):** | 29.0' - 31.0' |
| **Screen (from - to):** | 33.0' - 38.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 2.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 2.0' - 29.0' |
| **Sand Pack (from - to):** | 31.0' - 38.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected
NA - Not Available

Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1, 2, 3, 4 | | | | | Hand cleared borehole to 5.0' bgs<br><br>0-2" asphalt<br>0-5' FILL: Brown fine SAND some silt, little clay, some gravel and cobbles, dry, no odors, no staining.<br>** PID= 0.0 |
| 5, 6 | 4-6 | 10.7 | 17<br>18<br>15<br>15 | 24/5 | FILL: Brown, dry, well sorted FINE to MEDIUM SAND, some silt and sub-angular fine gravel, rock fragements in tip of spoon, loose, non-cohesive, no odors or visual impacts<br>PID= 6.2, 5.6 |
| 7, 8 | 6-8 | 13.7 | 8<br>9<br>11<br>8 | 24/22 | 0-4" - Reddish brown, dry, well sorted FINE SAND, some silt, no odors or visual impacts<br>4-22" - Brown, dry, well sorted FINE to MEDIUM SAND, some fine gravel, loose, no odors or visual impacts<br>PID= 0.1, 0.2, 6.2 |
| 9, 10 | 8-10 | 0.8 | 6<br>7<br>8<br>9 | 24/15 | Reddish brown, dry, well sorted FINE SAND, some silt, loose, non-cohesive, no odors or visual impacts<br>PID= 0.1, 0.1 |
| 11, 12 | 10-12 | 3.9 | 10<br>10<br>12<br>10 | 24/17 | Reddish brown, dry, well sorted FINE SAND and SILT, loose, non-cohesive, some angular fine gravel in top 2", no odors or visual impacts<br>PID= 0.1 |
| 13, 14 | 12-14 | 1.0 | 5<br>18<br>9<br>9 | 24/24 | Same as above, some mica flecks<br><br><br>PID= 0.1 |
| 15, 16 | 14-16 | 0.7 | 8<br>12<br>16<br>9 | 24/17 | Reddish brown, moist, well sorted FINE SAND, some silt, trace mica flecks, medium dense, non-cohesive, no odors or visual impacts<br>PID= 0.1, 0.2, 0.5 |

**WELL DIAGRAM**



GEI Consultants, Inc.

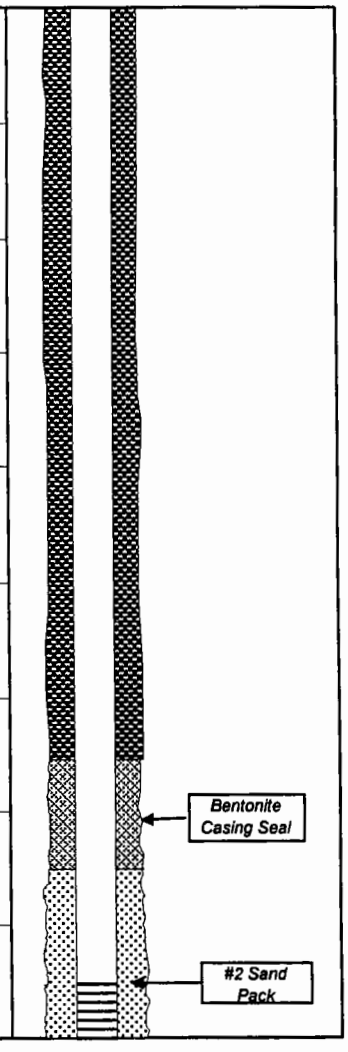
# SOIL BORING/WELL LOG (MW-5D)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-5D | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/20/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 38' 4" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 23.57' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 23.27' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 33.0' | **Bentonite Seal (from - to):** | 29.0' - 31.0' |
| **Screen (from - to):** | 33.0' - 38.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 2.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 2.0' - 29.0' |
| **Sand Pack (from - to):** | 31.0' - 38.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected
NA - Not Available

Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| | | | | | | |
|---|---|---|---|---|---|---|
| 17<br>18 | 16-18 | NA | 8<br>17<br>31<br>9 | 24/17 | ** | Reddish brown, wet, well sorted FINE SAND, some silt and mica flecks, brown coarse sand and angular fine gravel and rock fragments at 4-5", medium dense non-cohesive, no odors or visual impacts, PID= 0.1 |
| 19<br>20 | 18-20 | 0.7 | 17<br>22<br>31<br>34 | 24/16 | | Reddish brown-brown, wet, well sorted FINE to MEDIUM SAND, some silt, trace coarse sand and sub-angular fine gravel, dense, no odors or visual impacts PID= 0.1 |
| 21<br>22 | 20-22 | 0.7 | 13<br>10<br>9<br>16 | 24/12 | | 0-2" - Brown, wet, SILT, some rounded fine gravel, trace clay, dense, semi-cohesive, no odors or visual impacts 2-12" - Brown, wet, well sorted FINE to MEDIUM SAND, some silt, dense, non-cohesive, no odors or visual impacts |
| 23<br>24 | 22-24 | 0.5 | 3<br>2<br>1<br>2 | 24/6 | | Brown, wet, well sorted FINE to MEDIUM SAND, some silt, trace sub-angular fine gravel, black weathered rock in tip of spoon, loose, semi-cohesive, no odors or visual impacts PID= 0.2, 0.3 |
| 25<br>26 | 24-26 | 0.9 | 3<br>2<br>4<br>3 | 24/24 | | Brown, wet, well sorted, FINE to COARSE SAND, some silt and sub-angular fine gravel, trace coarse gravel, loose, semi-cohesive, no odors or visual impacts PID= 0.2 |
| 27<br>28 | 26-28 | 1.1 | 13<br>15<br>31<br>50/3" | 21/21 | | Brown, wet, well sorted FINE to COARSE SAND, some silt and sub-angular fine gravel, semi-cohesive, no odors or visual impacts PID= 0.2 |
| 29<br>30 | 28-30 | 0.8 | 16<br>27<br>50/2" | 14/14 | | 0-11" - Brown, wet, well sorted FINE to COARSE SAND, some silt and fine gravel, loose, semi-cohesive 11-13" - Black, moist, weathered rock with mica flecks 13-14" - Gray-white quartz rock fragment, PID= 0.3 |
| 31<br>32 | 30-32 | NA | 35<br>50/4" | 10/9 | | Black, weathered rock with mica flecks, some medium to coarse sand, black bedrock fragments with mica, very dense, no odors or visual impacts PID= 0.3 |
| 33<br>34 | 32-34 | 1.2 | 30<br>31<br>40<br>50/4" | 22/14 | | 0-10" - Brown-dark gray, moist SILT and FINE SAND, some coarse sand, very dense, no odors or visual impacts 10-14" - Gray-white weathered quartz rock PID= 0.3 |



GEI Consultants, Inc.

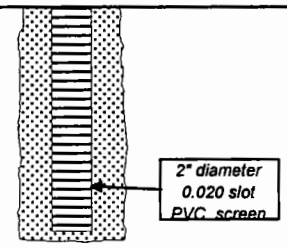
# SOIL BORING/WELL LOG (MW-5D)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-5D | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/20/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 38' 4" | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 23.57' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 23.27' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 33.0' | **Bentonite Seal (from - to):** | 29.0' - 31.0' |
| **Screen (from - to):** | 33.0' - 38.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 2.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 2.0' - 29.0' |
| **Sand Pack (from - to):** | 31.0' - 38.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collected
NA - Not Available

Proportions Used: Trace - 1-10%, Little - 10-20%, Some - 20-30%, And - 30-50%

| | | | | | | |
|---|---|---|---|---|---|---|
| 35<br>36 | 34-36 | NA | 25<br>40<br>50/0" | 12/9 | ** | Gray-dark gray, moist FINE SAND, some medium sand, trace silt, very dense, no odors or visual impacts<br>PID= 0.3 |
| 37<br>38 | 36-38 | NA | 50<br>50/1" | 7/5 | | Dark gray, wet, poorly sorted FINE SAND, some cobbles and sub-angular fine gravel, very dense, semi-cohesive, no odors or visual impacts<br>PID=0.3 |
| 39<br>40 | 38-40 | NA | 50/4" | 4/3 | | Gray, dry rock fragments and pulverized rock fragments, some fine sand, no odors or visual impacts<br>PID= 0.3 |




End of boring at 38' 4"
Well set at 38.0'

GEI Consultants, Inc.

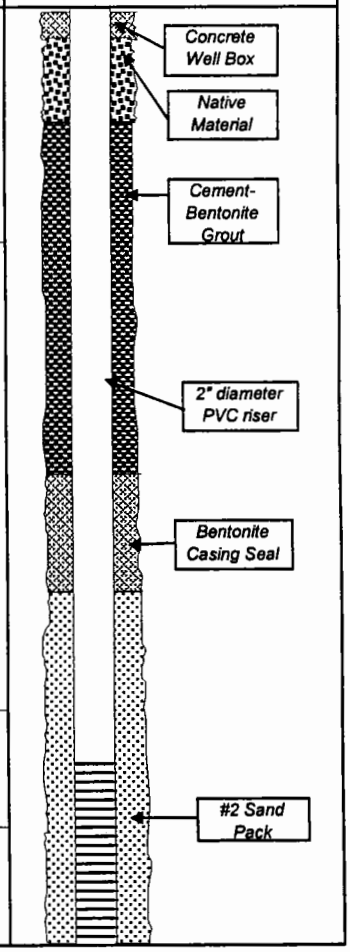
# SOIL BORING/WELL LOG (MW-5S)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-5S | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/26/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 24.0' | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 23.47' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 23.25' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 13.0' | **Bentonite Seal (from - to):** | 8.0' - 10.0' |
| **Screen (from - to):** | 13.0' - 23.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 2.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 2.0' - 8.0' |
| **Sand Pack (from - to):** | 10.0' - 24.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collectec Proportions Used: Trace - 1-10% Some - 20-30%
NA - Not Available Little - 10-20% And - 30-50%

| Depth (ft.) | Sample Interval (feet) | PID Headspace (ppm) | Blows / 6 inches | Penetration / Recovery (inches) | Soil/Geologic Description |
|---|---|---|---|---|---|
| 1, 2, 3, 4 | | | | | Hand cleared borehole to 5.0' bgs |
| 5, 6, 7, 8, 9, 10, 11, 12 | | | | | See MW-5D Log |
| 13, 14 | 12-14 | NA | 14<br>14<br>14<br>11 | 24/22 | Brown, moist, well sorted FINE to MEDIUM SAND, trace silt, loose, non-cohesive, no odors or visual impacts<br>PID= 0, 0.1 |
| 15, 16 | 14-16 | NA | 6<br>8<br>10<br>8 | 24/21 | Same as above, wet at 15.5'<br>PID= 0 |

**WELL DIAGRAM**



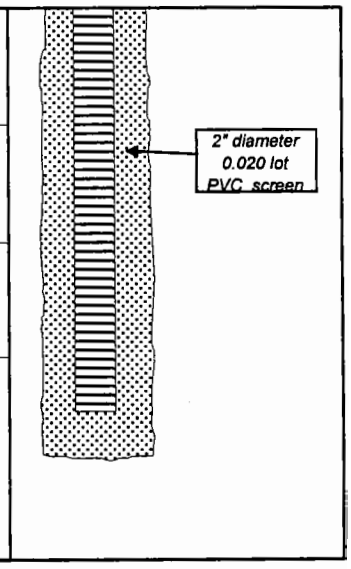
GEI Consultants, Inc.

# SOIL BORING/WELL LOG (MW-5S)

| | | | |
|---|---|---|---|
| **Boring/Well ID:** | MW-5S | **Client:** | Consolidated Edison of New York |
| **Project Number:** | 031510 | **Project Name:** | Site Characterization |
| **Logged By:** | Daniel Burke | **Site Address:** | Kingsbridge Station, Bronx, NY |
| **Date:** | 1/26/2004 | **Contractor:** | Aquifer Driller and Testing |
| **Total Depth:** | 24.0' | **Driller:** | Shawn Miller |
| **Elevation (ground):** | 23.47' | **Drilling Method:** | Hollow stem auger |
| **Elevation (top of riser):** | 23.25' | | |
| ***Well Construction:*** | | | |
| **Riser (from - to):** | 0.0' - 13.0' | **Bentonite Seal (from - to):** | 8.0' - 10.0' |
| **Screen (from - to):** | 13.0' - 23.0' | **Annular Fill Type/Depth:** | Native Material / 0.0' - 2.0' |
| **Screen Type/Size:** | PVC / 0.020 Slot | **Cement Grout (from - to):** | 2.0' - 8.0' |
| **Sand Pack (from - to):** | 10.0' - 24.0' | **Well Cover Type:** | Flush Mount Road Box |

**Notes** ** Analytical sample collectec Proportions Used: Trace - 1-10% Some - 20-30%
NA - Not Available Little - 10-20% And - 30-50%

| | | | | | |
|---|---|---|---|---|---|
| 17 | 16-18 | NA | 11<br>12<br>24<br>21 | 24/19 | Brown, wet, well sorted MEDIUM SAND, trace silt, loose, non-cohesive, no odors or visual impacts<br>PID= 0.1 |
| 18 | | | | | |
| 19 | 18-20 | NA | 13<br>7<br>14<br>20 | 24/7 | Brown, wet, well sorted FINE to MEDIUM SAND, some clay, trace well-rounded fine gravel, loose, moderately cohesive, no odors or visual impacts<br>PID= 0.2, 0.3 |
| 20 | | | | | |
| 21 | 20-22 | NA | 10<br>10<br>13<br>15 | 24/18 | 0-11" - Brown, wet, poorly sorted MEDIUM SAND, some silt, trace fine gravel, loose, moderately cohesive<br>11-18" - Brown, moist, well sorted silt, trace clay, dense, cohesive, no odors or visual impacts, PID= 0.2 |
| 22 | | | | | |
| 23 | 22-24 | NA | 10<br>10<br>20<br>13 | 24/22 | 0-4" - Brown, wet, well sorted MEDIUM SAND, some silt<br>4-10" - Brown, wet, well sorted SILT, some clay, dense<br>10-12" - Brown, wet, poorly sorted COARSE SAND, some fine to medium sand, trace silt and fine gravel, loose |
| 24 | | | | | |
| 25 | | | | | 12-18" - Same as 4-10" interval<br>18-22" - Brown, wet, poorly sorted FINE SAND, some silt and gravel, no odors or visual impacts, PID= 0.2 |




End of boring at 24.0'
Well set at 23.0'

# Appendix A
## Well Purging Data for 2/25/2004 Sampling Event
## Kingsbridge Former MGP Site

| Time | pH (standard units) | Conductivity (mS/cm) | Turbidity (NTU) | Total Dissolved Solids (g/L) | Dissolved Oxygen (mg/L) | Temperature (degrees Celsius) | ORP (mV) | Volume Purged (gallons) | Depth to Water (feet) |
|---|---|---|---|---|---|---|---|---|---|
| ***Monitoring Well MW-1*** | | | | | | | | | |
| 1514 | 6.78 | 4.99 | 999 | 3.2 | 0.62 | 16.97 | 78 | 0.5 | NR |
| 1517 | 6.76 | 5.06 | 712 | 3.2 | 0.77 | 17.72 | 72 | 0.8 | NR |
| 1520 | 6.75 | 5.21 | 435 | 3.3 | 0.74 | 18.15 | 67 | 1.2 | 20.02 |
| 1523 | 6.74 | 5.32 | 515 | 3.4 | 0.99 | 18.27 | 67 | 1.7 | 20.02 |
| 1526 | 6.75 | 5.36 | 100 | 3.4 | 1.04 | 18.01 | 74 | 2.1 | 20.02 |
| 1529 | 6.75 | 5.39 | 70 | 3.4 | 1.36 | 17.87 | 80 | 2.5 | 20.02 |
| 1532 | 6.75 | 5.40 | 50 | 3.4 | 1.33 | 17.87 | 82 | 2.9 | 20.02 |
| 1535 | 6.75 | 5.39 | 36 | 3.4 | 1.32 | 17.92 | 84 | 3.4 | 20.02 |
| 1538 | 6.76 | 5.37 | 24 | 3.4 | 1.35 | 18.08 | 85 | 4 | 20.02 |
| ***Monitoring Well MW-2*** | | | | | | | | | |
| 912 | 9.22 | 1.75 | 8.2 | 1.1 | 0.0 | 8.16 | 111 | 0 | 8.02 |
| 915 | 9.22 | 1.76 | 5.4 | 1.1 | 0.0 | 8.11 | 103 | 1 | 8.02 |
| 918 | 9.24 | 1.75 | 0.7 | 1.1 | 0.0 | 8.2 | 97 | 1.5 | 8.08 |
| 921 | 9.44 | 1.75 | -0.9 | 1.1 | 0.0 | 8.48 | 86 | 2 | 8.02 |
| 924 | 9.39 | 1.74 | -10 | 1.1 | 0.0 | 8.32 | 80 | 2.5 | 8.02 |
| 927 | 9.31 | 1.72 | -10 | 1.1 | 0.0 | 8.21 | 72 | 3 | 8.02 |
| 930 | 9.41 | 1.71 | -10 | 1.1 | 0.0 | 8.23 | 73 | 3.5 | 8.02 |
| ***Monitoring Well MW-3*** | | | | | | | | | |
| 845 | 6.39 | 2.25 | NR | NR | 0 | 9.24 | 27 | 0.2 | 3.78 |
| 848 | 6.62 | 2.22 | 50 | NR | 2.24 | 10.43 | -22 | 0.6 | 3.82 |
| 851 | 6.71 | 2.21 | 38 | NR | 2.01 | 10.51 | -37 | 0.9 | 3.85 |
| 854 | 6.78 | 2.22 | 35 | NR | 1.72 | 10.94 | -45 | 1.1 | 3.86 |
| 857 | 6.84 | 2.21 | 26 | NR | 1.46 | 10.96 | -51 | 1.4 | 3.85 |
| 900 | 6.88 | 2.21 | 31 | NR | 1.19 | 10.99 | -55 | 1.7 | 3.84 |
| 903 | 6.92 | 2.21 | 28 | NR | 0.94 | 11.01 | -59 | 2 | 3.80 |
| 906 | 6.94 | 2.21 | 25 | NR | 0.76 | 10.96 | -61 | 2.3 | 3.82 |
| 909 | 6.97 | 2.21 | 22 | NR | 0.55 | 11.12 | -64 | 2.6 | 3.84 |
| 912 | 6.99 | 2.22 | 26 | NR | 0.34 | 11.17 | -66 | 2.9 | 3.85 |
| 915 | 7.01 | 2.21 | 22 | NR | 0.15 | 11.21 | -68 | 3.2 | 3.85 |
| 918 | 7.03 | 2.21 | 20 | NR | 0.0 | 11.29 | -69 | 3.5 | 3.85 |
| 921 | 7.04 | 2.22 | 21 | NR | 0.0 | 11.28 | -70 | 3.8 | 3.85 |
| 924 | 7.04 | 2.22 | 16 | NR | 0.0 | 11.31 | -71 | 4.1 | 3.86 |

# Appendix A
## Well Purging Data for 2/25/2004 Sampling Event
## Kingsbridge Former MGP Site

| Time | pH (standard units) | Conductivity (mS/cm) | Turbidity (NTU) | Total Dissolved Solids (g/L) | Dissolved Oxygen (mg/L) | Temperature (degrees Celsius) | ORP (mV) | Volume Purged (gallons) | Depth to Water (feet) |
|---|---|---|---|---|---|---|---|---|---|
| ***Monitoring Well MW-4D*** | | | | | | | | | |
| 1211 | 7.66 | 1.09 | 60.0 | 0.7 | 0.0 | 13.57 | -112 | 1.5 | 9.67 |
| 1214 | 7.63 | 1.09 | 58.5 | 0.7 | 0.0 | 13.60 | -114 | 1.7 | 9.72 |
| 1217 | 7.64 | 1.09 | 65.4 | 0.7 | 0.0 | 13.70 | -118 | 1.9 | 9.75 |
| 1220 | 7.63 | 1.08 | 12.0 | 0.7 | 0.0 | 13.65 | -120 | 2.1 | 9.75 |
| 1223 | 7.64 | 1.08 | 8.9 | 0.7 | 0.0 | 13.61 | -120 | 2.3 | 9.72 |
| 1226 | 7.64 | 1.08 | 9.7 | 0.7 | 0.0 | 13.54 | -121 | 2.5 | 9.73 |
| 1229 | 7.64 | 1.07 | 11.0 | 0.7 | 0.0 | 13.35 | -123 | 2.7 | 9.71 |
| ***Monitoring Well MW-4S*** | | | | | | | | | |
| 1035 | 7.11 | 2.66 | 62 | NR | 1.03 | 10.24 | -115 | 0.1 | 8.9 |
| 1038 | 7.13 | 2.65 | 34 | NR | 0 | 11.15 | -123 | 0.2 | 8.92 |
| 1041 | 7.12 | 2.64 | 27 | NR | 0 | 11.61 | -127 | 0.5 | 8.93 |
| 1044 | 7.16 | 2.62 | 22 | NR | 0 | 11.85 | -131 | 0.8 | 8.94 |
| 1047 | 7.17 | 2.62 | 18 | NR | 0 | 11.90 | -132 | 1.1 | 8.94 |
| 1050 | 7.17 | 2.62 | 13 | NR | 0 | 11.90 | -133 | 1.4 | 8.9 |
| 1053 | 7.17 | 2.62 | 15 | NR | 0 | 11.90 | -134 | 1.7 | 8.9 |
| 1056 | 7.17 | 2.62 | 11 | NR | 0 | 11.90 | -133 | 2.0 | 8.9 |
| 1101 | 7.17 | 2.61 | 10 | NR | 0 | 11.85 | -132 | 2.5 | 8.9 |
| 1106 | 7.16 | 2.61 | 9 | NR | 0 | 11.86 | -130 | 3.0 | 8.9 |
| ***Monitoring Well MW-5D*** | | | | | | | | | |
| 1245 | 6.95 | 1.33 | 616 | 0.8 | 0.0 | 12.83 | 5.00 | 0 | 14.40 |
| 1250 | 7.04 | 1.32 | 196 | 0.8 | 0.0 | 13.67 | -25 | 0.4 | 16.85 |
| 1254 | 7.06 | 1.32 | 289 | 0.8 | 0.0 | 13.91 | -32 | 0.7 | 16.82 |
| 1257 | 7.05 | 1.33 | 237 | 0.8 | 0.0 | 14.07 | -33 | 1 | 16.78 |
| 1300 | 7.05 | 1.34 | 90 | 0.9 | 0.0 | 14.20 | -34 | 1.3 | 16.75 |
| 1303 | 7.04 | 1.35 | 128 | 0.9 | 0.0 | 14.11 | -33 | 1.6 | 16.72 |
| 1306 | 7.04 | 1.36 | 60 | 0.9 | 0.0 | 14.17 | -32 | 2 | 16.69 |
| 1310 | 7.04 | 1.36 | 48 | 0.9 | 0.0 | 14.33 | -33 | 2.3 | 16.63 |
| 1313 | 7.03 | 1.36 | 46 | 0.9 | 0.0 | 14.33 | -32 | 2.6 | 16.6 |
| 1318 | 7.03 | 1.36 | 17 | 0.9 | 0.0 | 14.56 | -39 | 3 | 16.76 |
| 1321 | 7.04 | 1.35 | NR | 0.9 | 0.0 | 14.85 | -58 | NR | 16.85 |
| 1324 | 7.02 | 1.36 | 55 | 0.9 | 0.0 | 14.63 | -63 | 3.5 | 16.77 |
| 1328 | 7.00 | 1.36 | 55 | 0.9 | 0.0 | 14.45 | -66 | NR | 16.70 |

# Appendix A
## Well Purging Data for 2/25/2004 Sampling Event
## Kingsbridge Former MGP Site

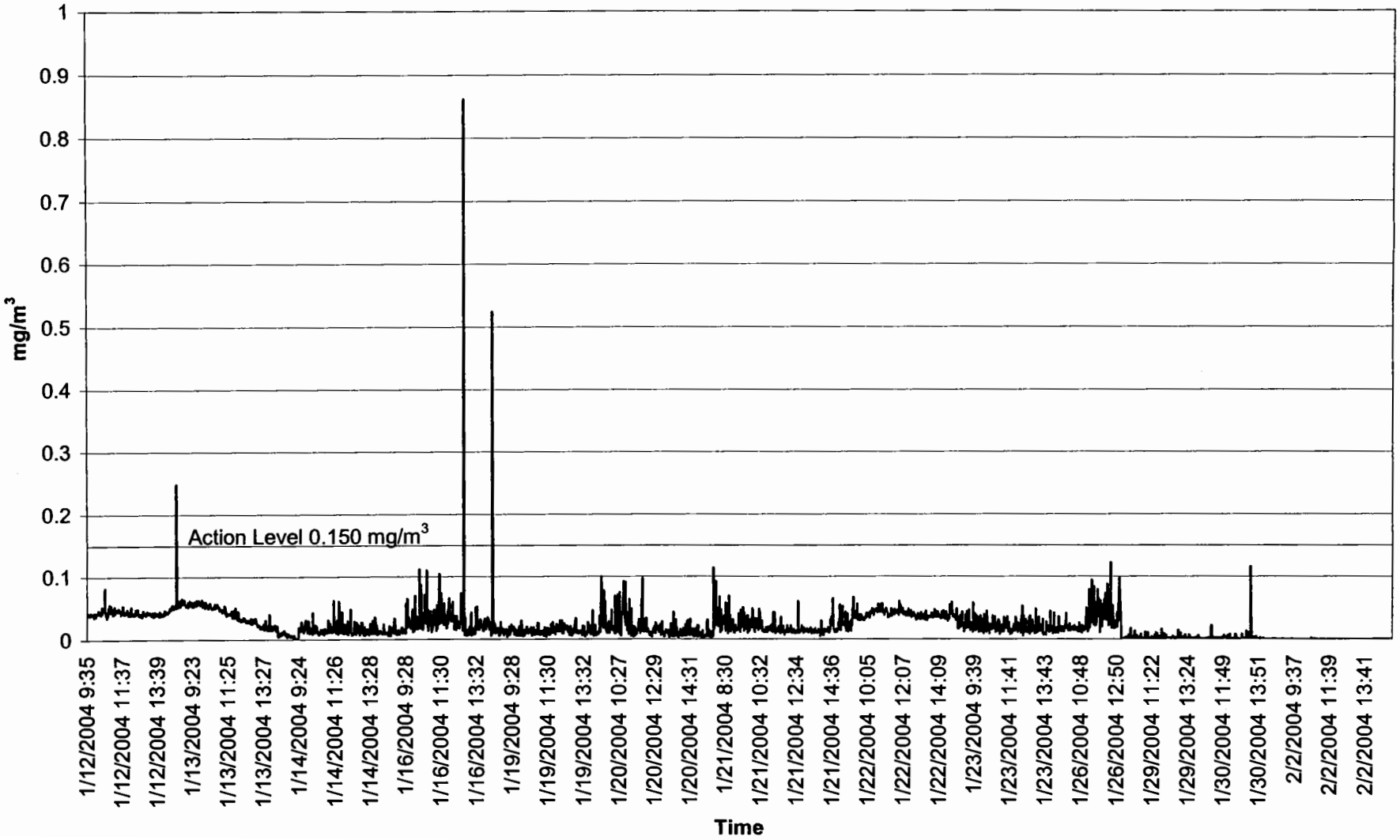
| Time | pH (standard units) | Conductivity (mS/cm) | Turbidity (NTU) | Total Dissolved Solids (g/L) | Dissolved Oxygen (mg/L) | Temperature (degrees Celsius) | ORP (mV) | Volume Purged (gallons) | Depth to Water (feet) |
|---|---|---|---|---|---|---|---|---|---|
| ***Monitoring Well MW-5S*** | | | | | | | | | |
| 1513 | 6.40 | 2.46 | 46 | NR | 1.62 | 12.01 | 110 | 0.1 | 14.86 |
| 1516 | 6.28 | 2.44 | NR | NR | 0.49 | 12.47 | 115 | 0.3 | 14.91 |
| 1519 | 6.25 | 2.44 | 30 | NR | 0.0 | 12.77 | 119 | 0.5 | 14.92 |
| 1522 | 6.25 | 2.43 | 20 | NR | 0.0 | 12.89 | 120 | 0.8 | 14.94 |
| 1525 | 6.26 | 2.42 | 17 | NR | 0.0 | 12.86 | 122 | 1 | 14.94 |
| 1528 | 6.26 | 2.42 | 11 | NR | 0.0 | 12.82 | 123 | 1.2 | 14.92 |
| 1531 | 6.27 | 2.42 | 7.4 | NR | 0.0 | 12.85 | 124 | 1.5 | 14.91 |
| 1534 | 6.28 | 2.41 | 5.0 | NR | 0.0 | 12.90 | 126 | 1.8 | 14.91 |
| 1537 | 6.28 | 2.41 | 4.6 | NR | 0.0 | 13.04 | 127 | 2.1 | 14.92 |
| 1540 | 6.29 | 2.41 | NR | NR | 0.0 | 12.95 | 128 | 2.4 | 14.92 |
| 1543 | 6.30 | 2.41 | 2.6 | NR | 0.0 | 13.10 | 128 | 2.7 | 14.95 |
| 1546 | 6.30 | 2.40 | 2.0 | NR | 0.0 | 13.11 | 129 | 3 | 14.95 |
| 1549 | 6.30 | 2.40 | 2.8 | NR | 0.0 | 13.11 | 129 | 3.3 | 14.96 |

mS/cm = microSiemens per centimeter
NTU = nephelometric units
g/L = grams per liter
mg/L = milligrams per liter
mV = millivolts
NR - Not Recorded

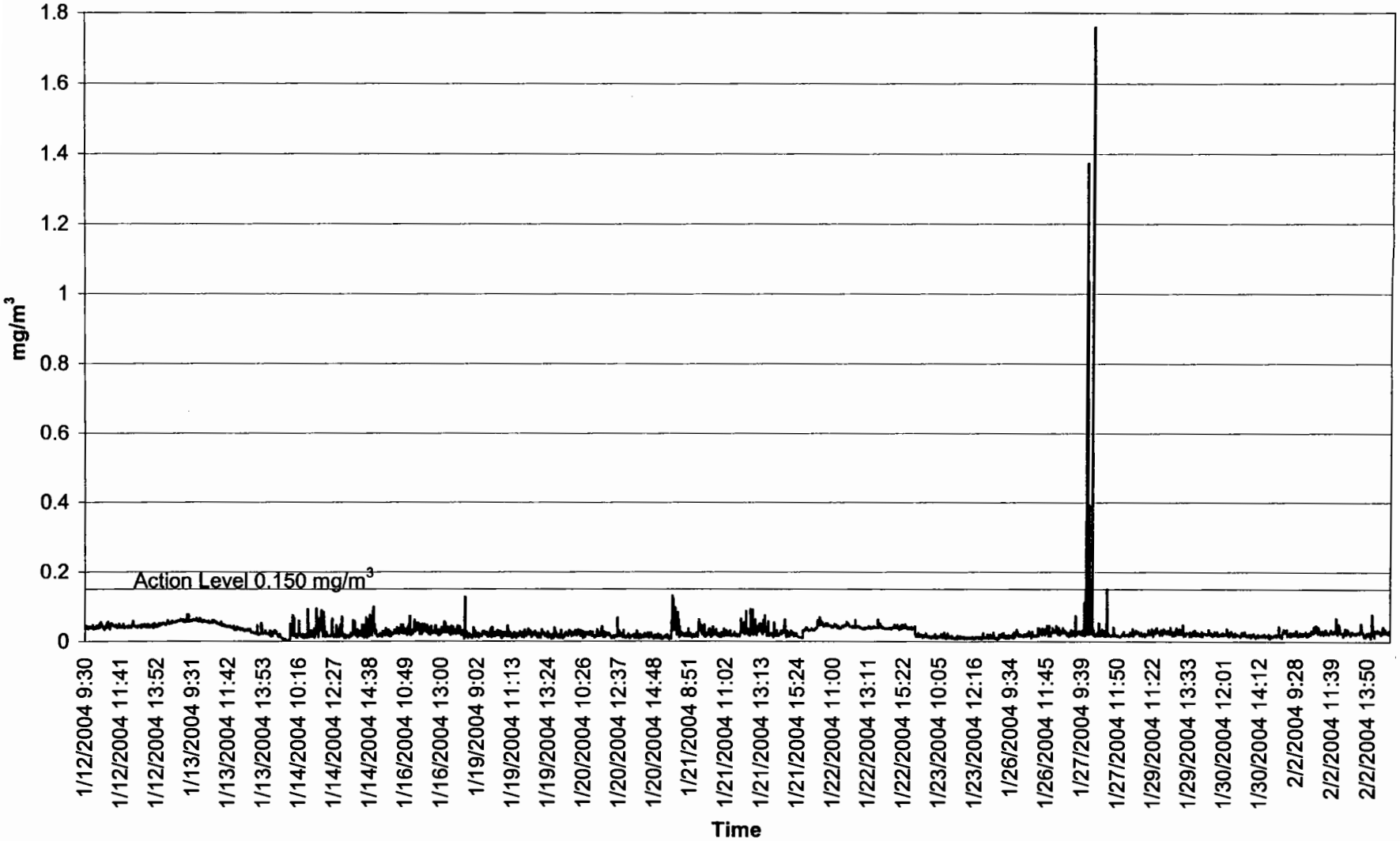
# Appendix B

## Community Air Monitoring Results Summary

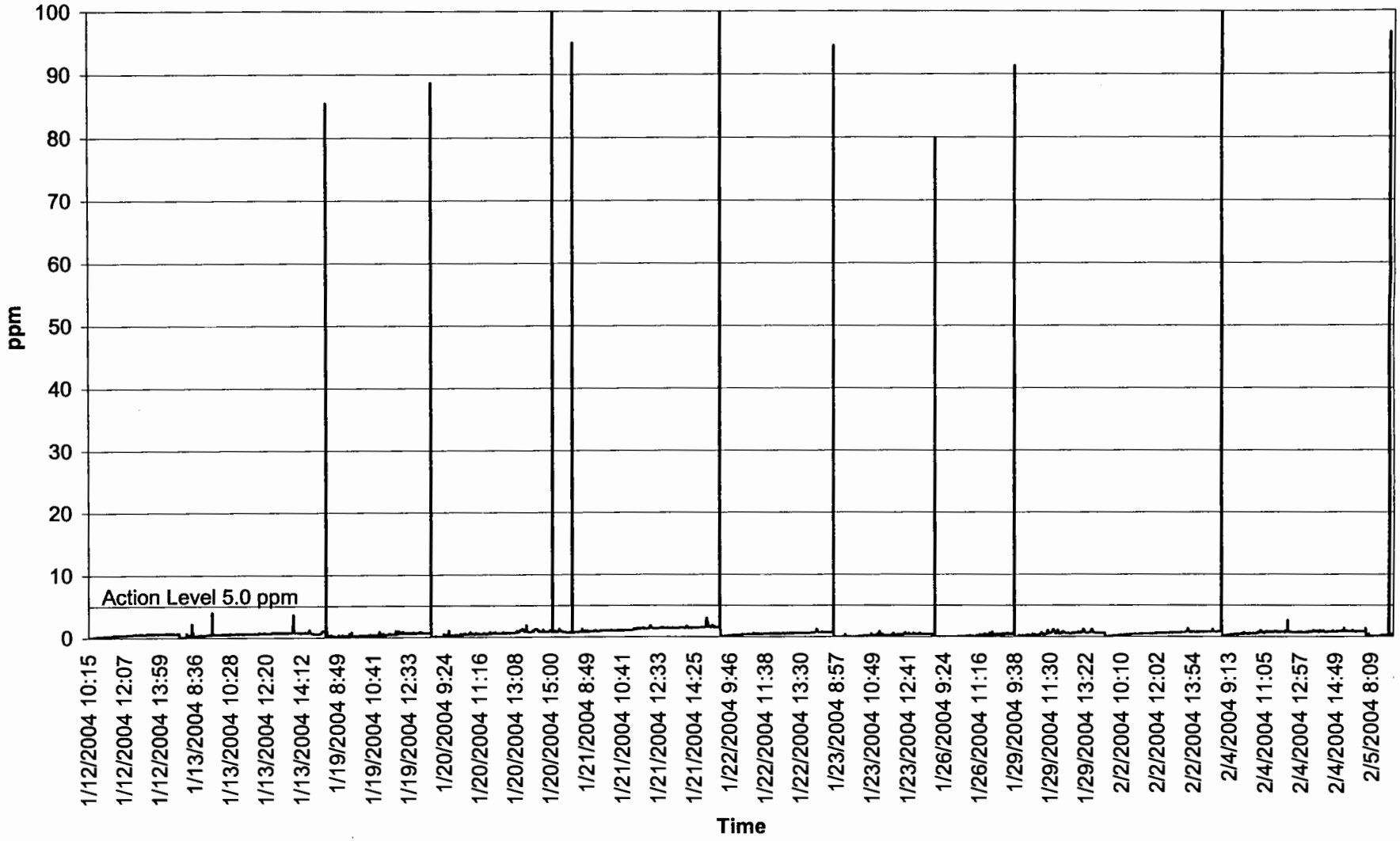
## Kingsbridge Station Air Monitoring Results Summary - PM-10 (Downwind)



## Kingsbridge Station Air Monitoring Results Summary - PM-10 (Upwind)

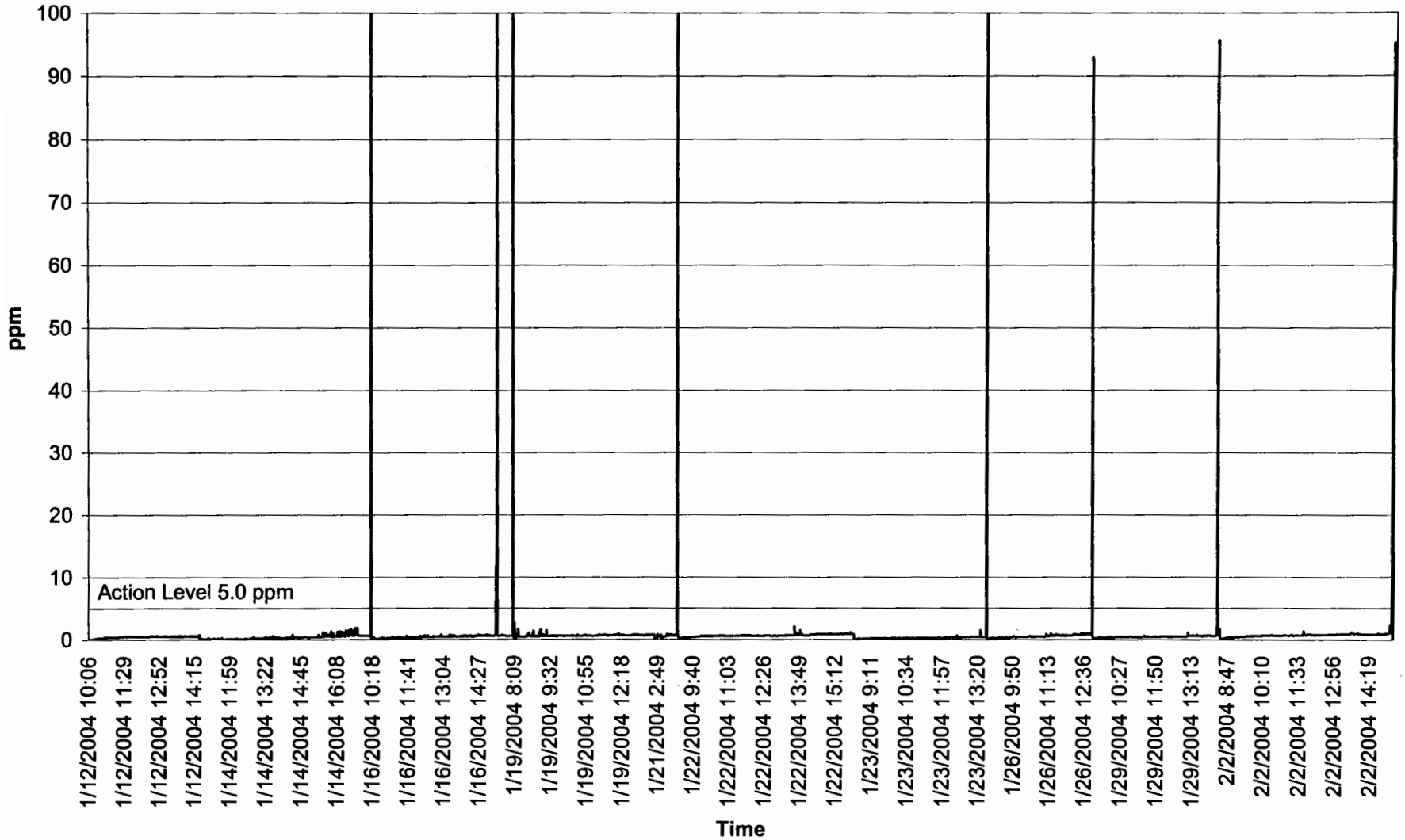


## Kingsbridge Station Air Monitoring Results Summary - TVOC (Downwind)




Note: All TVOC values exceeding 5.0 ppm are due to daily calibration checks.

## Kingsbridge Station Air Monitoring Results Summary - TVOC (Upwind)




Note: All TVOC values exceeding 5.0 ppm are due to daily calibration checks.

# Appendix C

## Laboratory Analytical Results and Data Usability Reports (Provided on CD)

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-1
Date Sampled.....: 02/24/2004
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 205951-1
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics (5mL Purge) | | | | | | | | | | | |
| | Chloromethane | ND | U | | 1 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Vinyl chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Bromomethane | ND | U | J4 | 3 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Chloroethane | ND | U | | 2 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | 1,1-Dichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Carbon disulfide | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Acetone | ND | U | | 2 | 10 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Methylene chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | trans-1,2-Dichloroethene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | 1,1-Dichloroethane | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Vinyl acetate | ND | U | | 2 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | cis-1,2-Dichloroethene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | 2-Butanone (MEK) | ND | U | J4 | 2 | 10 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Chloroform | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | 1,1,1-Trichloroethane | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Carbon tetrachloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Benzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | 1,2-Dichloroethane | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Trichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | 1,2-Dichloropropane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Bromodichloromethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | cis-1,3-Dichloropropene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | 4-Methyl-2-pentanone (MIBK) | ND | U | | 0.9 | 10 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Toluene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | trans-1,3-Dichloropropene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | 1,1,2-Trichloroethane | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Tetrachloroethene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | 2-Hexanone | ND | U | J4 | 0.7 | 10 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |

* In Description = Dry Wgt.



000005

pam 3/12/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-1
Date Sampled.....: 02/24/2004
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 205951-1
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dibromochloromethane | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Chlorobenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Ethylbenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Styrene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Bromoform | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | 1,1,2,2-Tetrachloroethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |
| | Xylenes (total) | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29087 | | 03/01/04 1058 | pam |

* In Description = Dry Wgt.



00000006

Zm 3/12/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-1
Date Sampled.....: 02/24/2004
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 205951-1
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol | ND | U | J9 | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Bis(2-chloroethyl)ether | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 1,3-Dichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 1,4-Dichlorobenzene | ND | U | | 0.2 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 1,2-Dichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Benzyl alcohol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2-Methylphenol | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2,2-oxybis (1-chloropropane) | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | n-Nitroso-di-n-propylamine | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Hexachloroethane | ND | U | J9 | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 4-Methylphenol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2-Chlorophenol | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Nitrobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Bis(2-chloroethoxy)methane | ND | U | | 0.2 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 1,2,4-Trichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Benzoic acid | ND | U | J4, UJ9 | 23 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Isophorone | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2,4-Dimethylphenol | ND | U | J9 | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Hexachlorobutadiene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Naphthalene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2,4-Dichlorophenol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 4-Chloroaniline | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2,4,6-Trichlorophenol | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2,4,5-Trichlorophenol | ND | U | | 0.3 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Hexachlorocyclopentadiene | ND | U | J4 | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2-Methylnaphthalene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2-Nitroaniline | ND | U | | 0.4 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2-Chloronaphthalene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |

* In Description = Dry Wgt.



Jam 3/12/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-1
Date Sampled.....: 02/24/2004
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 205951-1
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4-Chloro-3-methylphenol | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2,6-Dinitrotoluene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2-Nitrophenol | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 3-Nitroaniline | ND | U | | 0.4 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Dimethyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2,4-Dinitrophenol | ND | U | J4 | 1 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Acenaphthylene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 2,4-Dinitrotoluene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Acenaphthene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Dibenzofuran | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 4-Nitrophenol | ND | U | J9 | 0.4 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Fluorene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 4-Nitroaniline | ND | U | | 0.6 | 21 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 4-Bromophenyl phenyl ether | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Hexachlorobenzene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Diethyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 4-Chlorophenyl phenyl ether | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Pentachlorophenol | ND | U | | 3 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | n-Nitrosodiphenylamine | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | 4,6-Dinitro-2-methylphenol | ND | U | | 0.9 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Phenanthrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Carbazole | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Di-n-butyl phthalate | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Fluoranthene | ND | U | X | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Butyl benzyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Benzo(a)anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Chrysene | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |

* In Description = Dry Wgt.



Jan 3/12/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-1
Date Sampled.....: 02/24/2004
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 205951-1
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3,3-Dichlorobenzidine | ND | U | | 0.4 | 21 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Bis(2-ethylhexyl)phthalate | 1106 | | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Di-n-octyl phthalate | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Benzo(b)fluoranthene | ND | U | | 1 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Benzo(k)fluoranthene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Benzo(a)pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Indeno(1,2,3-cd)pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Dibenzo(a,h)anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |
| | Benzo(ghi)perylene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 1931 | dmm |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/06/2004

CUSTOMER: GEI CONSULTANTS, INC.

PROJECT: KINGSBRIDGE STATION

ATTN: John Bogdanski

Customer Sample ID: MW-1
Date Sampled.....: 02/24/2004
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 205951-1
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016 | ND | U | | 0.057 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0729 | kam |
| | Aroclor 1221 | ND | U | | 0.11 | 1.0 | 1.00000 | ug/L | 29327 | | 03/03/04 0729 | kam |
| | Aroclor 1232 | ND | U | | 0.081 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0729 | kam |
| | Aroclor 1242 | ND | U | | 0.072 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0729 | kam |
| | Aroclor 1248 | ND | U | | 0.060 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0729 | kam |
| | Aroclor 1254 | ND | U | | 0.094 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0729 | kam |
| | Aroclor 1260 | ND | U | | 0.082 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0729 | kam |

* In Description = Dry Wgt.



7pm 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/04/2004

CUSTOMER: GEI CONSULTANTS, INC.

PROJECT: KINGSBRIDGE STATION

ATTN: John Bogdanski

Customer Sample ID: MW-1
Date Sampled.....: 02/24/2004
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 205951-1
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9012 | Cyanide (Colorimetric)<br>Cyanide, Total | 49.5 | | | 7.0 | 10.0 | 1.0 | ug/L | 29219 | | 03/04/04 1312 | dtn |

* In Description = Dry Wgt.



0000070

Jan 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/09/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-1
Date Sampled.....: 02/24/2004
Time Sampled.....: 15:45
Sample Matrix.....: Water

Laboratory Sample ID: 205951-1
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7470A | Mercury (CVAA) | | | | | | | | | | | |
| | Mercury | ND | U | | 0.18 | 0.20 | 1.0000 | ug/L | 29159 | | 03/02/04 1340 | nnp |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum | 1380 | | | 92.0 | 500 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Antimony | ND | U | | 5.4 | 20.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Arsenic | ND | U | | 3.9 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Barium | 279 | | | 0.74 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Beryllium | ND | U | | 0.54 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Cadmium | ND | U | | 1.1 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Calcium | 301000 J19 | | | 56.0 | 300 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Chromium | 7.5 J21 | J | | 1.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Cobalt | 6.2 | J | | 1.8 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Copper | 9.0 | J | | 4.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Iron | 3160 | | | 54.0 | 200 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Lead | 3.8 | J | | 3.0 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Magnesium | 117000 | | | 26.0 | 100 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Manganese | 244 | | | 6.9 | 15.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Nickel | 22.3 | | | 1.9 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Potassium | 21700 | | | 955 | 2000 | 5 | ug/L | 29426 | | 03/04/04 1736 | nnp |
| | Selenium | 6.1 | J | | 5.0 | 30.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Silver | ND | U | | 1.1 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Sodium | 449000 | | | 490 | 2000 | 5 | ug/L | 29426 | | 03/04/04 1736 | nnp |
| | Thallium | ND | U | J16 | 10.0 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Vanadium | 4.7 | J | | 1.5 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |
| | Zinc | 16.7 | J | | 11.0 | 50.0 | 1 | ug/L | 29217 | | 03/03/04 1633 | nnp |

* In Description = Dry Wgt.



Dam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-2
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-2
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics (5mL Purge) | | | | | | | | | | | |
| | Chloromethane | ND | U | | 1 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Vinyl chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Bromomethane | ND | U | | 3 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Chloroethane | ND | U | J4 | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | 1,1-Dichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Carbon disulfide | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Acetone | 1006, → UJ3, | + | UJ4 | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Methylene chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | trans-1,2-Dichloroethene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | 1,1-Dichloroethane | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Vinyl acetate | ND | U | | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | cis-1,2-Dichloroethene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | 2-Butanone (MEK) | ND | U | | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Chloroform | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | 1,1,1-Trichloroethane | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Carbon tetrachloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Benzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | 1,2-Dichloroethane | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Trichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | 1,2-Dichloropropane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Bromodichloromethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | cis-1,3-Dichloropropene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | 4-Methyl-2-pentanone (MIBK) | ND | U | | 0.9 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Toluene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | trans-1,3-Dichloropropene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | 1,1,2-Trichloroethane | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Tetrachloroethene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | 2-Hexanone | ND | U | | 0.7 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |

* In Description = Dry Wgt.



Jan 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-2
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-2
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dibromochloromethane | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Chlorobenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Ethylbenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Styrene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Bromoform | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | 1,1,2,2-Tetrachloroethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |
| | Xylenes (total) | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1907 | pam |

* In Description = Dry Wgt.



00000008

Dam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-2
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-2
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol | ND | U | J9 | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Bis(2-chloroethyl)ether | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 1,3-Dichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 1,4-Dichlorobenzene | ND | U | | 0.2 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 1,2-Dichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Benzyl alcohol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2-Methylphenol | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2,2-oxybis (1-chloropropane) | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | n-Nitroso-di-n-propylamine | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Hexachloroethane | ND | U | J9 | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 4-Methylphenol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2-Chlorophenol | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Nitrobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Bis(2-chloroethoxy)methane | ND | U | | 0.2 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 1,2,4-Trichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Benzoic acid | ND | U | J4, UJ9 | 22 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Isophorone | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2,4-Dimethylphenol | ND | U | J9 | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Hexachlorobutadiene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Naphthalene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2,4-Dichlorophenol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 4-Chloroaniline | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2,4,6-Trichlorophenol | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2,4,5-Trichlorophenol | ND | U | | 0.3 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Hexachlorocyclopentadiene | ND | U | J4 | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2-Methylnaphthalene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2-Nitroaniline | ND | U | | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2-Chloronaphthalene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |

* In Description = Dry Wgt.



Jan 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-2
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-2
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4-Chloro-3-methylphenol | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2,6-Dinitrotoluene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2-Nitrophenol | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 3-Nitroaniline | ND | U | | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Dimethyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2,4-Dinitrophenol | ND | U | J4 | 1 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Acenaphthylene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 2,4-Dinitrotoluene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Acenaphthene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Dibenzofuran | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 4-Nitrophenol | ND | U | J9 | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Fluorene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 4-Nitroaniline | ND | U | | 0.6 | 20 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 4-Bromophenyl phenyl ether | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Hexachlorobenzene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Diethyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 4-Chlorophenyl phenyl ether | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Pentachlorophenol | ND | U | | 3 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | n-Nitrosodiphenylamine | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | 4,6-Dinitro-2-methylphenol | ND | U | | 0.9 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Phenanthrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Carbazole | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Di-n-butyl phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Fluoranthene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Butyl benzyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Benzo(a)anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Chrysene | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |

* In Description = Dry Wgt.



0000029

Jam 3/12/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-2
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-2
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3,3-Dichlorobenzidine | ND | U | | 0.4 | 20 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Bis(2-ethylhexyl)phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Di-n-octyl phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Benzo(b)fluoranthene | ND | U | | 1 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Benzo(k)fluoranthene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Benzo(a)pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Indeno(1,2,3-cd)pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Dibenzo(a,h)anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |
| | Benzo(ghi)perylene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 1957 | dmm |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/06/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-2
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-2
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016 | ND | U | | 0.057 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0747 | kam |
| | Aroclor 1221 | ND | U | | 0.11 | 1.0 | 1.00000 | ug/L | 29327 | | 03/03/04 0747 | kam |
| | Aroclor 1232 | ND | U | | 0.081 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0747 | kam |
| | Aroclor 1242 | ND | U | | 0.072 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0747 | kam |
| | Aroclor 1248 | ND | U | | 0.060 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0747 | kam |
| | Aroclor 1254 | ND | U | | 0.094 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0747 | kam |
| | Aroclor 1260 | 0.74 J2 | S | | 0.082 | 0.50 | 1.00000 | ug/L | 29328 | | 03/03/04 0747 | kam |

* In Description = Dry Wgt.



jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/04/2004

CUSTOMER: GEI CONSULTANTS, INC.

PROJECT: KINGSBRIDGE STATION

ATTN: John Bogdanski

Customer Sample ID: MW-2
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-2
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9012 | Cyanide (Colorimetric)<br>Cyanide, Total | 43.7 | | | 7.0 | 10.0 | 1.0 | ug/L | 29219 | | 03/04/04 1315 | dtn |

* In Description = Dry Wgt.



000071

Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/09/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-2
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-2
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7470A | Mercury (CVAA) | | | | | | | | | | | |
| | Mercury | ND | U | | 0.18 | 0.20 | 1.0000 | ug/L | 29159 | | 03/02/04 1345 | nnp |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum | ND | U | | 92.0 | 500 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Antimony | ND | U | | 5.4 | 20.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Arsenic | ND | U | | 3.9 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Barium | 54.7 | | | 0.74 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Beryllium | ND | U | | 0.54 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Cadmium | ND | U | | 1.1 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Calcium | 132000 J19 | | | 56.0 | 300 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Chromium | ND | U | | 1.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Cobalt | ND | U | | 1.8 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Copper | ND | U | | 4.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Iron | ND | U | | 54.0 | 200 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Lead | ND | U | | 3.0 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Magnesium | 18700 | | | 26.0 | 100 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Manganese | 39.9 | | | 6.9 | 15.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Nickel | ND | U | | 1.9 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Potassium | 23900 | | | 191 | 400 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Selenium | ND | U | | 5.0 | 30.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Silver | ND | U | | 1.1 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Sodium | 102000 | | | 98.0 | 400 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Thallium | ND | U | | 10.0 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Vanadium | 3.4 | J | | 1.5 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |
| | Zinc | ND | U | | 11.0 | 50.0 | 1 | ug/L | 29217 | | 03/03/04 1639 | nnp |

* In Description = Dry Wgt.



Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-3
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-3
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics (5mL Purge) | | | | | | | | | | | |
| | Chloromethane | ND | U | | 1 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Vinyl chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Bromomethane | ND | U | | 3 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Chloroethane | ND | U | J4 | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | 1,1-Dichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Carbon disulfide | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Acetone | ND | U | J4 | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Methylene chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | trans-1,2-Dichloroethene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | 1,1-Dichloroethane | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Vinyl acetate | ND | U | | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | cis-1,2-Dichloroethene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | 2-Butanone (MEK) | ND | U | | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Chloroform | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | 1,1,1-Trichloroethane | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Carbon tetrachloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Benzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | 1,2-Dichloroethane | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Trichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | 1,2-Dichloropropane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Bromodichloromethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | cis-1,3-Dichloropropene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | 4-Methyl-2-pentanone (MIBK) | ND | U | | 0.9 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Toluene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | trans-1,3-Dichloropropene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | 1,1,2-Trichloroethane | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Tetrachloroethene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | 2-Hexanone | ND | U | | 0.7 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |

* In Description = Dry Wgt.



Yam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-3
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-3
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dibromochloromethane | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Chlorobenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Ethylbenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Styrene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Bromoform | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | 1,1,2,2-Tetrachloroethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |
| | Xylenes (total) | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1838 | pam |

* In Description = Dry Wgt.



tam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-3
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-3
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol | ND | U | J9 | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Bis(2-chloroethyl)ether | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 1,3-Dichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 1,4-Dichlorobenzene | ND | U | | 0.2 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 1,2-Dichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Benzyl alcohol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2-Methylphenol | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2,2-oxybis (1-chloropropane) | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | n-Nitroso-di-n-propylamine | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Hexachloroethane | ND | U | J9 | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 4-Methylphenol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2-Chlorophenol | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Nitrobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Bis(2-chloroethoxy)methane | ND | U | | 0.2 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 1,2,4-Trichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Benzoic acid | ND | U | J4, UJ9 | 23 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Isophorone | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2,4-Dimethylphenol | ND | U | J9 | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Hexachlorobutadiene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Naphthalene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2,4-Dichlorophenol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 4-Chloroaniline | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2,4,6-Trichlorophenol | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2,4,5-Trichlorophenol | ND | U | | 0.3 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Hexachlorocyclopentadiene | ND | U | J4 | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2-Methylnaphthalene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2-Nitroaniline | ND | U | | 0.4 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2-Chloronaphthalene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |

* In Description = Dry Wgt.



00000034

Tam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-3
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-3
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4-Chloro-3-methylphenol | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2,6-Dinitrotoluene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2-Nitrophenol | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 3-Nitroaniline | ND | U | | 0.4 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Dimethyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2,4-Dinitrophenol | ND | U | J4 | 1 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Acenaphthylene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 2,4-Dinitrotoluene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Acenaphthene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Dibenzofuran | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 4-Nitrophenol | ND | U | J9 | 0.4 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Fluorene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 4-Nitroaniline | ND | U | | 0.6 | 21 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 4-Bromophenyl phenyl ether | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Hexachlorobenzene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Diethyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 4-Chlorophenyl phenyl ether | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Pentachlorophenol | ND | U | | 3 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | n-Nitrosodiphenylamine | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | 4,6-Dinitro-2-methylphenol | ND | U | | 0.9 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Phenanthrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Carbazole | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Di-n-butyl phthalate | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Fluoranthene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Butyl benzyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Benzo(a)anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Chrysene | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-3
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-3
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3,3-Dichlorobenzidine | ND | U | | 0.4 | 21 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Bis(2-ethylhexyl)phthalate | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Di-n-octyl phthalate | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Benzo(b)fluoranthene | ND | U | | 1 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Benzo(k)fluoranthene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Benzo(a)pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Indeno(1,2,3-cd)pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Dibenzo(a,h)anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |
| | Benzo(ghi)perylene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2024 | dmm |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/06/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-3
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-3
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016 | ND | U | | 0.057 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0805 | kam |
| | Aroclor 1221 | ND | U | | 0.11 | 1.0 | 1.00000 | ug/L | 29327 | | 03/03/04 0805 | kam |
| | Aroclor 1232 | ND | U | | 0.081 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0805 | kam |
| | Aroclor 1242 | ND | U | | 0.072 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0805 | kam |
| | Aroclor 1248 | ND | U | | 0.060 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0805 | kam |
| | Aroclor 1254 | ND | U | | 0.094 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0805 | kam |
| | Aroclor 1260 | ND | U | | 0.082 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0805 | kam |

* In Description = Dry Wgt.



Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/04/2004

CUSTOMER: GEI CONSULTANTS, INC.

PROJECT: KINGSBRIDGE STATION

ATTN: John Bogdanski

Customer Sample ID: MW-3
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-3
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9012 | Cyanide (Colorimetric)<br>Cyanide, Total | ND | U | | 7.0 | 10.0 | 1.0 | ug/L | 29219 | | 03/04/04 1316 | dtn |

* In Description = Dry Wgt.



00000072

Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/09/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-3
Date Sampled.....: 02/25/2004
Time Sampled.....: 09:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-3
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7470A | Mercury (CVAA) | | | | | | | | | | | |
| | Mercury | ND | U | | 0.18 | 0.20 | 1.0000 | ug/L | 29159 | | 03/02/04 1346 | nnp |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum | 190 | | | 92.0 | 500 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Antimony | ND | U | | 5.4 | 20.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Arsenic | ND | U | | 3.9 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Barium | 70.9 | | | 0.74 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Beryllium | ND | U | | 0.54 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Cadmium | ND | U | | 1.1 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Calcium | 228000 | | J19 | 56.0 | 300 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Chromium | ND | U | | 1.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Cobalt | ND | U | | 1.8 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Copper | ND | U | | 4.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Iron | 2270 | | | 54.0 | 200 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Lead | ND | U | | 3.0 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Magnesium | 74300 | | | 26.0 | 100 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Manganese | 1390 | | | 6.9 | 15.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Nickel | 12.6 | | | 1.9 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Potassium | 21900 | | | 191 | 400 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Selenium | ND | U | | 5.0 | 30.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Silver | ND | U | | 1.1 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Sodium | 61100 | | | 98.0 | 400 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Thallium | ND | U | J16 | 10.0 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Vanadium | ND | U | | 1.5 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |
| | Zinc | ND | U | | 11.0 | 50.0 | 1 | ug/L | 29217 | | 03/03/04 1645 | nnp |

* In Description = Dry Wgt.



000003

Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4S
Date Sampled.....: 02/25/2004
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 205951-4
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics (5mL Purge) | | | | | | | | | | | |
| | Chloromethane | ND | U | | 1 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Vinyl chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Bromomethane | ND | U | | 3 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Chloroethane | ND | U | J4 | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | 1,1-Dichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Carbon disulfide | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Acetone | ND | U | J4 | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Methylene chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | trans-1,2-Dichloroethene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | 1,1-Dichloroethane | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Vinyl acetate | ND | U | | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | cis-1,2-Dichloroethene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | 2-Butanone (MEK) | ND | U | | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Chloroform | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | 1,1,1-Trichloroethane | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Carbon tetrachloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Benzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | 1,2-Dichloroethane | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Trichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | 1,2-Dichloropropane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Bromodichloromethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | cis-1,3-Dichloropropene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | 4-Methyl-2-pentanone (MIBK) | ND | U | | 0.9 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Toluene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | trans-1,3-Dichloropropene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | 1,1,2-Trichloroethane | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Tetrachloroethene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | 2-Hexanone | ND | U | | 0.7 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |

* In Description = Dry Wgt.



000011

Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4S
Date Sampled.....: 02/25/2004
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 205951-4
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dibromochloromethane | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Chlorobenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Ethylbenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Styrene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Bromoform | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | 1,1,2,2-Tetrachloroethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |
| | Xylenes (total) | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1808 | pam |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4S
Date Sampled.....: 02/25/2004
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 205951-4
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol | ND | U | J9 | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Bis(2-chloroethyl)ether | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 1,3-Dichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 1,4-Dichlorobenzene | ND | U | | 0.2 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 1,2-Dichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Benzyl alcohol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2-Methylphenol | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2,2-oxybis (1-chloropropane) | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | n-Nitroso-di-n-propylamine | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Hexachloroethane | ND | U | J9 | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 4-Methylphenol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2-Chlorophenol | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Nitrobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Bis(2-chloroethoxy)methane | ND | U | | 0.2 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 1,2,4-Trichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Benzoic acid | ND | U | J4, UJ9 | 22 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Isophorone | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2,4-Dimethylphenol | ND | U | J9 | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Hexachlorobutadiene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Naphthalene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2,4-Dichlorophenol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 4-Chloroaniline | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2,4,6-Trichlorophenol | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2,4,5-Trichlorophenol | ND | U | | 0.3 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Hexachlorocyclopentadiene | ND | U | J4 | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2-Methylnaphthalene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2-Nitroaniline | ND | U | | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2-Chloronaphthalene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4S
Date Sampled.....: 02/25/2004
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 205951-4
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4-Chloro-3-methylphenol | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2,6-Dinitrotoluene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2-Nitrophenol | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 3-Nitroaniline | ND | U | | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Dimethyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2,4-Dinitrophenol | ND | U | J4 | 1 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Acenaphthylene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 2,4-Dinitrotoluene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Acenaphthene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Dibenzofuran | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 4-Nitrophenol | ND | U | J9 | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Fluorene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 4-Nitroaniline | ND | U | | 0.6 | 20 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 4-Bromophenyl phenyl ether | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Hexachlorobenzene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Diethyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 4-Chlorophenyl phenyl ether | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Pentachlorophenol | ND | U | | 3 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | n-Nitrosodiphenylamine | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | 4,6-Dinitro-2-methylphenol | ND | U | | 0.9 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Phenanthrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Carbazole | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Di-n-butyl phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Fluoranthene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Butyl benzyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Benzo(a)anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Chrysene | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |

* In Description = Dry Wgt.



DAM 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4S
Date Sampled.....: 02/25/2004
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 205951-4
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3,3-Dichlorobenzidine | ND | U | | 0.4 | 20 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Bis(2-ethylhexyl)phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Di-n-octyl phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Benzo(b)fluoranthene | ND | U | | 1 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Benzo(k)fluoranthene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Benzo(a)pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Indeno(1,2,3-cd)pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Dibenzo(a,h)anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |
| | Benzo(ghi)perylene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2050 | dmm |

* In Description = Dry Wgt.



dm 3/11/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/06/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4S
Date Sampled.....: 02/25/2004
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 205951-4
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016 | ND | U | | 0.057 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0823 | kam |
| | Aroclor 1221 | ND | U | | 0.11 | 1.0 | 1.00000 | ug/L | 29327 | | 03/03/04 0823 | kam |
| | Aroclor 1232 | ND | U | | 0.081 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0823 | kam |
| | Aroclor 1242 | ND | U | | 0.072 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0823 | kam |
| | Aroclor 1248 | ND | U | | 0.060 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0823 | kam |
| | Aroclor 1254 | ND | U | | 0.094 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0823 | kam |
| | Aroclor 1260 | ND | U | | 0.082 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0823 | kam |

* In Description = Dry Wgt.



dm 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/04/2004

CUSTOMER: GEI CONSULTANTS, INC.

PROJECT: KINGSBRIDGE STATION

ATTN: John Bogdanski

Customer Sample ID: MW-4S
Date Sampled.....: 02/25/2004
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 205951-4
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9012 | Cyanide (Colorimetric)<br>Cyanide, Total | ND | U | | 7.0 | 10.0 | 1.0 | ug/L | 29219 | | 03/04/04 1317 | dtn |

* In Description = Dry Wgt.



000007 3

Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/09/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4S
Date Sampled.....: 02/25/2004
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 205951-4
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7470A | Mercury (CVAA) | | | | | | | | | | | |
| | Mercury | ND | U | | 0.18 | 0.20 | 1.0000 | ug/L | 29159 | | 03/02/04 1347 | nnp |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum | 103 | | | 92.0 | 500 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Antimony | ND | U | | 5.4 | 20.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Arsenic | ND | U | | 3.9 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Barium | 379 | | | 0.74 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Beryllium | ND | U | | 0.54 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Cadmium | ND | U | | 1.1 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Calcium | 205000 | | J19 | 56.0 | 300 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Chromium | ND | U | | 1.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Cobalt | ND | U | | 1.8 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Copper | ND | U | | 4.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Iron | 10600 | | | 54.0 | 200 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Lead | ND | U | | 3.0 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Magnesium | 68900 | | | 26.0 | 100 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Manganese | 3290 | | | 6.9 | 15.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Nickel | 2.0 | | | 1.9 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Potassium | 23700 | | | 191 | 400 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Selenium | ND | U | | 5.0 | 30.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Silver | ND | U | | 1.1 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Sodium | 132000 | | | 98.0 | 400 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Thallium | ND | U | J16 | 10.0 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Vanadium | ND | U | | 1.5 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |
| | Zinc | ND | U | | 11.0 | 50.0 | 1 | ug/L | 29217 | | 03/03/04 1704 | nnp |

* In Description = Dry Wgt.



000064

Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4D
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-5
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics (5mL Purge) | | | | | | | | | | | |
| | Chloromethane | ND | U | | 1 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Vinyl chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Bromomethane | ND | U | | 3 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Chloroethane | ND | U | J4 | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | 1,1-Dichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Carbon disulfide | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Acetone | ND | U | J4 | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Methylene chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | trans-1,2-Dichloroethene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | 1,1-Dichloroethane | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Vinyl acetate | ND | U | | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | cis-1,2-Dichloroethene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | 2-Butanone (MEK) | ND | U | | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Chloroform | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | 1,1,1-Trichloroethane | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Carbon tetrachloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Benzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | 1,2-Dichloroethane | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Trichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | 1,2-Dichloropropane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Bromodichloromethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | cis-1,3-Dichloropropene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | 4-Methyl-2-pentanone (MIBK) | ND | U | | 0.9 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Toluene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | trans-1,3-Dichloropropene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | 1,1,2-Trichloroethane | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Tetrachloroethene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | 2-Hexanone | ND | U | | 0.7 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |

* In Description = Dry Wgt.



Pam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4D
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-5
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dibromochloromethane | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Chlorobenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Ethylbenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Styrene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Bromoform | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | 1,1,2,2-Tetrachloroethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |
| | Xylenes (total) | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1738 | pam |

* In Description = Dry Wgt.



00000014

Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4D
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-5
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol | ND | U | J9 | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Bis(2-chloroethyl)ether | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 1,3-Dichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 1,4-Dichlorobenzene | ND | U | | 0.2 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 1,2-Dichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Benzyl alcohol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2-Methylphenol | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2,2-oxybis (1-chloropropane) | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | n-Nitroso-di-n-propylamine | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Hexachloroethane | ND | U | J9 | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 4-Methylphenol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2-Chlorophenol | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Nitrobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Bis(2-chloroethoxy)methane | ND | U | | 0.2 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 1,2,4-Trichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Benzoic acid | ND | U | J4, UJ9 | 22 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Isophorone | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2,4-Dimethylphenol | ND | U | J9 | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Hexachlorobutadiene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Naphthalene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2,4-Dichlorophenol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 4-Chloroaniline | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2,4,6-Trichlorophenol | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2,4,5-Trichlorophenol | ND | U | | 0.3 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Hexachlorocyclopentadiene | ND | U | J4 | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2-Methylnaphthalene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2-Nitroaniline | ND | U | | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2-Chloronaphthalene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |

* In Description = Dry Wgt.



000003 14

JAM 3/15/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4D
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-5
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4-Chloro-3-methylphenol | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2,6-Dinitrotoluene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2-Nitrophenol | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 3-Nitroaniline | ND | U | | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Dimethyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2,4-Dinitrophenol | ND | U | J4 | 1 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Acenaphthylene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 2,4-Dinitrotoluene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Acenaphthene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Dibenzofuran | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 4-Nitrophenol | ND | U | J9 | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Fluorene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 4-Nitroaniline | ND | U | | 0.6 | 20 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 4-Bromophenyl phenyl ether | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Hexachlorobenzene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Diethyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 4-Chlorophenyl phenyl ether | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Pentachlorophenol | ND | U | | 3 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | n-Nitrosodiphenylamine | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | 4,6-Dinitro-2-methylphenol | ND | U | | 0.9 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Phenanthrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Carbazole | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Di-n-butyl phthalate | ND | U | M | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Fluoranthene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Butyl benzyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Benzo(a)anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Chrysene | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4D
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-5
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3,3-Dichlorobenzidine | ND | U | | 0.4 | 20 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Bis(2-ethylhexyl)phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Di-n-octyl phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Benzo(b)fluoranthene | ND | U | | 1 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Benzo(k)fluoranthene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Benzo(a)pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Indeno(1,2,3-cd)pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Dibenzo(a,h)anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |
| | Benzo(ghi)perylene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2116 | dmm |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/06/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4D
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-5
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016 | ND | U | | 0.057 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0842 | kam |
| | Aroclor 1221 | ND | U | | 0.11 | 1.0 | 1.00000 | ug/L | 29327 | | 03/03/04 0842 | kam |
| | Aroclor 1232 | ND | U | | 0.081 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0842 | kam |
| | Aroclor 1242 | ND | U | | 0.072 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0842 | kam |
| | Aroclor 1248 | ND | U | | 0.060 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0842 | kam |
| | Aroclor 1254 | ND | U | | 0.094 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0842 | kam |
| | Aroclor 1260 | ND | U | | 0.082 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0842 | kam |

* In Description = Dry Wgt.



Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/04/2004

CUSTOMER: GEI CONSULTANTS, INC.

PROJECT: KINGSBRIDGE STATION

ATTN: John Bogdanski

Customer Sample ID: MW-4D
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-5
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9012 | Cyanide (Colorimetric)<br>Cyanide, Total | ND | U | | 7.0 | 10.0 | 1.0 | ug/L | 29219 | | 03/04/04 1320 | dtn |

* In Description = Dry Wgt.



000007 4

Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/09/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-4D
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:30
Sample Matrix.....: Water

Laboratory Sample ID: 205951-5
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7470A | Mercury (CVAA) | | | | | | | | | | | |
| | Mercury | ND | U | | 0.18 | 0.20 | 1.0000 | ug/L | 29159 | | 03/02/04 1348 | nnp |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum | 191 | | | 92.0 | 500 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Antimony | ND | U | | 5.4 | 20.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Arsenic | ND | U | | 3.9 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Barium | 57.5 | | | 0.74 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Beryllium | ND | U | | 0.54 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Cadmium | ND | U | | 1.1 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Calcium | 113000 J19 | | | 56.0 | 300 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Chromium | ND | U | | 1.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Cobalt | ND | U | | 1.8 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Copper | ND | U | | 4.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Iron | 913 | | | 54.0 | 200 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Lead | ND | U | | 3.0 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Magnesium | 33100 | | | 26.0 | 100 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Manganese | 378 | | | 6.9 | 15.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Nickel | ND | U | | 1.9 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Potassium | 13300 J14 | | | 191 | 400 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Selenium | ND | U | | 5.0 | 30.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Silver | ND | U | | 1.1 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Sodium | 26100 | | | 98.0 | 400 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Thallium | ND | U | | 10.0 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Vanadium | ND | U | | 1.5 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |
| | Zinc | ND | U | | 11.0 | 50.0 | 1 | ug/L | 29217 | | 03/03/04 1710 | nnp |

* In Description = Dry Wgt.



Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5S
Date Sampled.....: 02/25/2004
Time Sampled.....: 15:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-6
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics (5mL Purge) | | | | | | | | | | | |
| | Chloromethane | ND | U | | 1 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Vinyl chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Bromomethane | ND | U | | 3 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Chloroethane | ND | U | J4 | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | 1,1-Dichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Carbon disulfide | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Acetone | ND | U | J4 | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Methylene chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | trans-1,2-Dichloroethene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | 1,1-Dichloroethane | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Vinyl acetate | ND | U | | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | cis-1,2-Dichloroethene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | 2-Butanone (MEK) | ND | U | | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Chloroform | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | 1,1,1-Trichloroethane | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Carbon tetrachloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Benzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | 1,2-Dichloroethane | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Trichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | 1,2-Dichloropropane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Bromodichloromethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | cis-1,3-Dichloropropene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | 4-Methyl-2-pentanone (MIBK) | ND | U | | 0.9 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Toluene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | trans-1,3-Dichloropropene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | 1,1,2-Trichloroethane | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Tetrachloroethene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | 2-Hexanone | ND | U | | 0.7 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |

* In Description = Dry Wgt.



0000015

Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5S
Date Sampled.....: 02/25/2004
Time Sampled.....: 15:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-6
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dibromochloromethane | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Chlorobenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Ethylbenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Styrene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Bromoform | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | 1,1,2,2-Tetrachloroethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |
| | Xylenes (total) | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1709 | pam |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5S
Date Sampled.....: 02/25/2004
Time Sampled.....: 15:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-6
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol | ND | U | J9 | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Bis(2-chloroethyl)ether | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 1,3-Dichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 1,4-Dichlorobenzene | ND | U | | 0.2 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 1,2-Dichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Benzyl alcohol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2-Methylphenol | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2,2-oxybis (1-chloropropane) | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | n-Nitroso-di-n-propylamine | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Hexachloroethane | ND | U | J9 | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 4-Methylphenol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2-Chlorophenol | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Nitrobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Bis(2-chloroethoxy)methane | ND | U | | 0.2 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 1,2,4-Trichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Benzoic acid | ND | U | J4, UJ9 | 22 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Isophorone | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2,4-Dimethylphenol | ND | U | J9 | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Hexachlorobutadiene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Naphthalene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2,4-Dichlorophenol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 4-Chloroaniline | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2,4,6-Trichlorophenol | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2,4,5-Trichlorophenol | ND | U | | 0.3 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Hexachlorocyclopentadiene | ND | U | J4 | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2-Methylnaphthalene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2-Nitroaniline | ND | U | | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2-Chloronaphthalene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |

* In Description = Dry Wgt.



Jam 3/12/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5S
Date Sampled.....: 02/25/2004
Time Sampled.....: 15:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-6
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4-Chloro-3-methylphenol | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2,6-Dinitrotoluene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2-Nitrophenol | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 3-Nitroaniline | ND | U | | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Dimethyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2,4-Dinitrophenol | ND | U | J4 | 1 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Acenaphthylene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 2,4-Dinitrotoluene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Acenaphthene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Dibenzofuran | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 4-Nitrophenol | ND | U | J9 | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Fluorene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 4-Nitroaniline | ND | U | | 0.6 | 20 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 4-Bromophenyl phenyl ether | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Hexachlorobenzene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Diethyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 4-Chlorophenyl phenyl ether | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Pentachlorophenol | ND | U | | 3 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | n-Nitrosodiphenylamine | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | 4,6-Dinitro-2-methylphenol | ND | U | | 0.9 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Phenanthrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Carbazole | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Di-n-butyl phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Fluoranthene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Butyl benzyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Benzo(a)anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Chrysene | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |

* In Description = Dry Wgt.



000004

Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5S
Date Sampled.....: 02/25/2004
Time Sampled.....: 15:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-6
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3,3-Dichlorobenzidine | ND | U | | 0.4 | 20 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Bis(2-ethylhexyl)phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Di-n-octyl phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Benzo(b)fluoranthene | ND | U | | 1 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Benzo(k)fluoranthene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Benzo(a)pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Indeno(1,2,3-cd)pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Dibenzo(a,h)anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |
| | Benzo(ghi)perylene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2142 | dmm |

* In Description = Dry Wgt.



Jan 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/06/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5S
Date Sampled.....: 02/25/2004
Time Sampled.....: 15:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-6
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016 | ND | U | | 0.057 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0900 | kam |
| | Aroclor 1221 | ND | U | | 0.11 | 1.0 | 1.00000 | ug/L | 29327 | | 03/03/04 0900 | kam |
| | Aroclor 1232 | ND | U | | 0.081 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0900 | kam |
| | Aroclor 1242 | ND | U | | 0.072 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0900 | kam |
| | Aroclor 1248 | ND | U | | 0.060 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0900 | kam |
| | Aroclor 1254 | ND | U | | 0.094 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0900 | kam |
| | Aroclor 1260 | ND | U | | 0.082 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0900 | kam |

* In Description = Dry Wgt.



000087

zam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/04/2004

CUSTOMER: GEI CONSULTANTS, INC.

PROJECT: KINGSBRIDGE STATION

ATTN: John Bogdanski

Customer Sample ID: MW-5S
Date Sampled.....: 02/25/2004
Time Sampled.....: 15:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-6
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9012 | Cyanide (Colorimetric)<br>Cyanide, Total | ND | U | | 7.0 | 10.0 | 1.0 | ug/L | 29219 | | 03/04/04 1321 | dtn |

* In Description = Dry Wgt.



0000075

Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/09/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5S
Date Sampled.....: 02/25/2004
Time Sampled.....: 15:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-6
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7470A | Mercury (CVAA) | | | | | | | | | | | |
| | Mercury | ND | U | | 0.18 | 0.20 | 1.0000 | ug/L | 29159 | | 03/02/04 1349 | nnp |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum | ND | U | | 92.0 | 500 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Antimony | ND | U | | 5.4 | 20.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Arsenic | ND | U | | 3.9 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Barium | 76.0 | | | 0.74 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Beryllium | ND | U | | 0.54 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Cadmium | 1.1 | | | 1.1 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Calcium | 178000 J19 | | | 56.0 | 300 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Chromium | ND | U | | 1.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Cobalt | 8.4 | | | 1.8 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Copper | ND | U | | 4.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Iron | ND | U | | 54.0 | 200 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Lead | ND | U | | 3.0 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Magnesium | 62400 | | | 26.0 | 100 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Manganese | 1650 | | | 6.9 | 15.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Nickel | 45.7 | | | 1.9 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Potassium | 18100 | | | 191 | 400 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Selenium | ND | U | | 5.0 | 30.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Silver | ND | U | | 1.1 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Sodium | 130000 | | | 98.0 | 400 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Thallium | ND | U | | 10.0 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Vanadium | ND | U | | 1.5 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |
| | Zinc | 11.5 | | | 11.0 | 50.0 | 1 | ug/L | 29217 | | 03/03/04 1716 | nnp |

* In Description = Dry Wgt.



Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-7
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics (5mL Purge) | | | | | | | | | | | |
| | Chloromethane | ND | U | | 1 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Vinyl chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Bromomethane | ND | U | | 3 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Chloroethane | ND | U | J4 | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | 1,1-Dichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Carbon disulfide | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Acetone | ND | U | J4 | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Methylene chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | trans-1,2-Dichloroethene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | 1,1-Dichloroethane | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Vinyl acetate | ND | U | | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | cis-1,2-Dichloroethene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | 2-Butanone (MEK) | ND | U | | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Chloroform | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | 1,1,1-Trichloroethane | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Carbon tetrachloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Benzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | 1,2-Dichloroethane | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Trichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | 1,2-Dichloropropane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Bromodichloromethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | cis-1,3-Dichloropropene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | 4-Methyl-2-pentanone (MIBK) | ND | U | | 0.9 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Toluene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | trans-1,3-Dichloropropene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | 1,1,2-Trichloroethane | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Tetrachloroethene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | 2-Hexanone | ND | U | | 0.7 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-7
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dibromochloromethane | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Chlorobenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Ethylbenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Styrene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Bromoform | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | 1,1,2,2-Tetrachloroethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |
| | Xylenes (total) | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1639 | pam |

* In Description = Dry Wgt.



000018

Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-7
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol | ND | U | J9 | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Bis(2-chloroethyl)ether | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 1,3-Dichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 1,4-Dichlorobenzene | ND | U | | 0.2 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 1,2-Dichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Benzyl alcohol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2-Methylphenol | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2,2-oxybis (1-chloropropane) | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | n-Nitroso-di-n-propylamine | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Hexachloroethane | ND | U | J9 | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 4-Methylphenol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2-Chlorophenol | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Nitrobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Bis(2-chloroethoxy)methane | ND | U | | 0.2 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 1,2,4-Trichlorobenzene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Benzoic acid | ND | U | J4, vJ9 | 22 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Isophorone | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2,4-Dimethylphenol | ND | U | J9 | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Hexachlorobutadiene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Naphthalene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2,4-Dichlorophenol | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 4-Chloroaniline | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2,4,6-Trichlorophenol | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2,4,5-Trichlorophenol | ND | U | | 0.3 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Hexachlorocyclopentadiene | ND | U | J4 | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2-Methylnaphthalene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2-Nitroaniline | ND | U | | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2-Chloronaphthalene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |

* In Description = Dry Wgt.



000043

Jan 3/15/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-7
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4-Chloro-3-methylphenol | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2,6-Dinitrotoluene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2-Nitrophenol | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 3-Nitroaniline | ND | U | | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Dimethyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2,4-Dinitrophenol | ND | U | J4 | 1 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Acenaphthylene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 2,4-Dinitrotoluene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Acenaphthene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Dibenzofuran | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 4-Nitrophenol | ND | U | J9 | 0.4 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Fluorene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 4-Nitroaniline | ND | U | | 0.6 | 20 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 4-Bromophenyl phenyl ether | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Hexachlorobenzene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Diethyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 4-Chlorophenyl phenyl ether | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Pentachlorophenol | ND | U | | 3 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | n-Nitrosodiphenylamine | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | 4,6-Dinitro-2-methylphenol | ND | U | | 0.9 | 50 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Phenanthrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Carbazole | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Di-n-butyl phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Fluoranthene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Butyl benzyl phthalate | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Benzo(a)anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Chrysene | ND | U | | 0.6 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |

* In Description = Dry Wgt.



Jan 3/13/07

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-7
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3,3-Dichlorobenzidine | ND | U | | 0.4 | 20 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Bis(2-ethylhexyl)phthalate | 1006 ~~0.7~~ | J | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Di-n-octyl phthalate | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Benzo(b)fluoranthene | ND | U | | 1 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Benzo(k)fluoranthene | ND | U | | 0.3 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Benzo(a)pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Indeno(1,2,3-cd)pyrene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Dibenzo(a,h)anthracene | ND | U | | 0.5 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |
| | Benzo(ghi)perylene | ND | U | | 0.4 | 10 | 1.00000 | ug/L | 29427 | | 03/02/04 2208 | dmm |

* In Description = Dry Wgt.



000022

dm 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/06/2004

CUSTOMER: GEI CONSULTANTS, INC.

PROJECT: KINGSBRIDGE STATION

ATTN: John Bogdanski

Customer Sample ID: MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-7
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016 | ND | U | | 0.057 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0919 | kam |
| | Aroclor 1221 | ND | U | | 0.11 | 1.0 | 1.00000 | ug/L | 29327 | | 03/03/04 0919 | kam |
| | Aroclor 1232 | ND | U | | 0.081 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0919 | kam |
| | Aroclor 1242 | ND | U | | 0.072 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0919 | kam |
| | Aroclor 1248 | ND | U | | 0.060 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0919 | kam |
| | Aroclor 1254 | ND | U | | 0.094 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0919 | kam |
| | Aroclor 1260 | 0.18 | J | 5, J25 | 0.082 | 0.50 | 1.00000 | ug/L | 29328 | | 03/03/04 0919 | kam |

* In Description = Dry Wgt.



Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/04/2004

CUSTOMER: GEI CONSULTANTS, INC.

PROJECT: KINGSBRIDGE STATION

ATTN: John Bogdanski

Customer Sample ID: MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-7
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9012 | Cyanide (Colorimetric)<br>Cyanide, Total | ND | U | J10 | 7.0 | 10.0 | 1.0 | ug/L | 29219 | | 03/04/04 1322 | dtn |

* In Description = Dry Wgt.



00000076

Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/09/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 205951-7
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7470A | Mercury (CVAA) | | | | | | | | | | | |
| | Mercury | ND | U | | 0.18 | 0.20 | 1.0000 | ug/L | 29159 | | 03/02/04 1350 | nnp |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum | 1920 J10 | | | 92.0 | 500 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Antimony | ND | U | | 5.4 | 20.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Arsenic | ND | U | | 3.9 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Barium | 113 J10 | | | 0.74 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Beryllium | ND | U | | 0.54 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Cadmium | ND | U | | 1.1 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Calcium | 128000 J10, | J19 | | 56.0 | 300 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Chromium | 13.4 | | | 1.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Cobalt | 3.3 | B | | 1.8 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Copper | ND | U | | 4.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Iron | 10300 J10 | | | 54.0 | 200 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Lead | ND | U | | 3.0 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Magnesium | 32900 J10 | | | 26.0 | 100 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Manganese | 1980 J10 | | | 6.9 | 15.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Nickel | 24.7 | | | 1.9 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Potassium | 20100 | | | 191 | 400 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Selenium | ND | U | | 5.0 | 30.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Silver | ND | U | | 1.1 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Sodium | 60300 J10 | | | 98.0 | 400 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Thallium | ND | U | | 10.0 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Vanadium | 10.9 J10 | | | 1.5 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |
| | Zinc | 39.6 | B | | 11.0 | 50.0 | 1 | ug/L | 29217 | | 03/03/04 1722 | nnp |

* In Description = Dry Wgt.



Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-DUP duplicate of MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 205951-8
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics (5mL Purge) | | | | | | | | | | | |
| | Chloromethane | ND | U | | 1 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Vinyl chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Bromomethane | ND | U | | 3 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Chloroethane | ND | U | J4 | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | 1,1-Dichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Carbon disulfide | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Acetone | ND | U | J4 | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Methylene chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | trans-1,2-Dichloroethene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | 1,1-Dichloroethane | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Vinyl acetate | ND | U | | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | cis-1,2-Dichloroethene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | 2-Butanone (MEK) | ND | U | | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Chloroform | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | 1,1,1-Trichloroethane | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Carbon tetrachloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Benzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | 1,2-Dichloroethane | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Trichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | 1,2-Dichloropropane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Bromodichloromethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | cis-1,3-Dichloropropene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | 4-Methyl-2-pentanone (MIBK) | ND | U | | 0.9 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Toluene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | trans-1,3-Dichloropropene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | 1,1,2-Trichloroethane | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Tetrachloroethene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | 2-Hexanone | ND | U | | 0.7 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |

* In Description = Dry Wgt.



Pam 3/1/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-DUP duplicate of MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 205951-8
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dibromochloromethane | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Chlorobenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Ethylbenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Styrene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Bromoform | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | 1,1,2,2-Tetrachloroethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |
| | Xylenes (total) | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1610 | pam |

* In Description = Dry Wgt.



pam 3/3/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-DUP duplicate of MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 205951-8
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol | ND | U | J9 | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Bis(2-chloroethyl)ether | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 1,3-Dichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 1,4-Dichlorobenzene | ND | U | | 0.2 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 1,2-Dichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Benzyl alcohol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2-Methylphenol | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2,2-oxybis (1-chloropropane) | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | n-Nitroso-di-n-propylamine | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Hexachloroethane | ND | U | J9 | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 4-Methylphenol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2-Chlorophenol | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Nitrobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Bis(2-chloroethoxy)methane | ND | U | | 0.2 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 1,2,4-Trichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Benzoic acid | ND | U | J4, UJ9 | 23 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Isophorone | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2,4-Dimethylphenol | ND | U | J9 | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Hexachlorobutadiene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Naphthalene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2,4-Dichlorophenol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 4-Chloroaniline | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2,4,6-Trichlorophenol | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2,4,5-Trichlorophenol | ND | U | | 0.3 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Hexachlorocyclopentadiene | ND | U | J4 | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2-Methylnaphthalene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2-Nitroaniline | ND | U | | 0.4 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2-Chloronaphthalene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |

* In Description = Dry Wgt.



Tom 3/15/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-DUP duplicate of MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 205951-8
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4-Chloro-3-methylphenol | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2,6-Dinitrotoluene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2-Nitrophenol | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 3-Nitroaniline | ND | U | | 0.4 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Dimethyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2,4-Dinitrophenol | ND | U | J4 | 1 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Acenaphthylene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 2,4-Dinitrotoluene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Acenaphthene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Dibenzofuran | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 4-Nitrophenol | ND | U | J9 | 0.4 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Fluorene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 4-Nitroaniline | ND | U | | 0.6 | 21 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 4-Bromophenyl phenyl ether | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Hexachlorobenzene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Diethyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 4-Chlorophenyl phenyl ether | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Pentachlorophenol | ND | U | | 3 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | n-Nitrosodiphenylamine | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | 4,6-Dinitro-2-methylphenol | ND | U | | 0.9 | 53 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Phenanthrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Carbazole | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Di-n-butyl phthalate | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Fluoranthene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Butyl benzyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Benzo(a)anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Chrysene | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |

* In Description = Dry Wgt.



Tom 3/12/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-DUP duplicate of MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 205951-8
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3,3-Dichlorobenzidine | ND | U | | 0.4 | 21 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Bis(2-ethylhexyl)phthalate | 1106 → | ~~U~~ | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Di-n-octyl phthalate | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Benzo(b)fluoranthene | ND | U | | 1 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Benzo(k)fluoranthene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Benzo(a)pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Indeno(1,2,3-cd)pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Dibenzo(a,h)anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |
| | Benzo(ghi)perylene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2234 | dmm |

* In Description = Dry Wgt.



JBM 3/15/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/06/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-DUP duplicate of MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 205951-8
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016 | ND | U | | 0.057 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0937 | kam |
| | Aroclor 1221 | ND | U | | 0.11 | 1.0 | 1.00000 | ug/L | 29327 | | 03/03/04 0937 | kam |
| | Aroclor 1232 | ND | U | | 0.081 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0937 | kam |
| | Aroclor 1242 | ND | U | | 0.072 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0937 | kam |
| | Aroclor 1248 | ND | U | | 0.060 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0937 | kam |
| | Aroclor 1254 | ND | U | | 0.094 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0937 | kam |
| | Aroclor 1260 | ND | U | | 0.082 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0937 | kam |

* In Description = Dry Wgt.



Jm 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/04/2004

CUSTOMER: GEI CONSULTANTS, INC.

PROJECT: KINGSBRIDGE STATION

ATTN: John Bogdanski

Customer Sample ID: MW-DUP duplicate of MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 205951-8
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9012 | Cyanide (Colorimetric)<br>Cyanide, Total | 52.3 J10 | | | 7.0 | 10.0 | 1.0 | ug/L | 29219 | | 03/04/04 1323 | dtn |

* In Description = Dry Wgt.



0000077

Jm 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/09/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: MW-DUP duplicate of MW-5D
Date Sampled.....: 02/25/2004
Time Sampled.....: 08:00
Sample Matrix.....: Water

Laboratory Sample ID: 205951-8
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7470A | Mercury (CVAA) | | | | | | | | | | | |
| | Mercury | ND | U | | 0.18 | 0.20 | 1.0000 | ug/L | 29159 | | 03/02/04 1351 | nnp |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum | 893 J10 | | | 92.0 | 500 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Antimony | ND | U | | 5.4 | 20.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Arsenic | ND | U | | 3.9 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Barium | 269 J10 | | | 0.74 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Beryllium | ND | U | | 0.54 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Cadmium | ND | U | | 1.1 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Calcium | 294000 J10, | | J19 | 56.0 | 300 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Chromium | 5.9 J21 | | | 1.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Cobalt | 6.2 | | | 1.8 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Copper | 6.1 | | | 4.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Iron | 1980 J10 | | | 54.0 | 200 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Lead | ND | U | | 3.0 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Magnesium | 114000 J10 | | | 26.0 | 100 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Manganese | 227 J10 | | | 6.9 | 15.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Nickel | 19.3 | | | 1.9 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Potassium | 21400 | | | 955 | 2000 | 5 | ug/L | 29217 | | 03/03/04 1734 | nnp |
| | Selenium | 6.7 | | | 5.0 | 30.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Silver | ND | U | | 1.1 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Sodium | 423000 J10 | | | 490 | 2000 | 5 | ug/L | 29217 | | 03/03/04 1734 | nnp |
| | Thallium | ND | U | J16 | 10.0 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Vanadium | 2.9 J10 | | | 1.5 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |
| | Zinc | 12.2 | | | 11.0 | 50.0 | 1 | ug/L | 29217 | | 03/03/04 1728 | nnp |

* In Description = Dry Wgt.



Jam 3/17/04

# *Available Cyanide*

**Lab Name:** STL PITTSBURGH
**Client Name:** STL CONNECTICUT
**Matrix:** WATER

**Method:** MCAWW 1677
**Lot Number:** C4B270267

**NO PREP DIRECT ANALYSIS**

| Client Sample ID | Sample Number | Workorder | Result | Units | Reporting Limit | Dilution Factor | Prep Date - Analysis Date/Time | QC Batch |
|---|---|---|---|---|---|---|---|---|
| MW-1 | C4B270267 001 | GAA251AA | ND | mg/L | 0.0020 | 1 | 3/3/04 12 - 3/3/04 00:00 | 4063342 |
| MW-2 | C4B270267 002 | GAA291AA | ND | mg/L | 0.0020 | 1 | 3/3/04 12 - 3/3/04 00:00 | 4063342 |
| MW-3 | C4B270267 003 | GAA3C1AA | ND | mg/L | 0.0020 | 1 | 3/3/04 12 - 3/3/04 00:00 | 4063342 |
| MW-4S | C4B270267 004 | GAA3F1AA | ND | mg/L | 0.0020 | 1 | 3/3/04 12 - 3/3/04 00:00 | 4063342 |
| MW-4D | C4B270267 005 | GAA3J1AA | ND | mg/L | 0.0020 | 1 | 3/3/04 12 - 3/3/04 00:00 | 4063342 |
| MW-5S | C4B270267 006 | GAA3L1AA | ND | mg/L | 0.0020 | 1 | 3/3/04 12 - 3/3/04 00:00 | 4063342 |
| MW-5D | C4B270267 007 | GAA3M1AA | ND | mg/L | 0.0020 | 1 | 3/3/04 12 - 3/3/04 00:00 | 4063342 |
| MW-DUP duplicate of MW-5D | C4B270267 008 | GAA3Q1AA | ND | mg/L | 0.0020 | 1 | 3/3/04 12 - 3/3/04 00:00 | 4063342 |
| ER-1 | C4B270267 009 | GAA3V1AA | ND | mg/L | 0.0020 | 1 | 3/3/04 12 - 3/3/04 00:00 | 4063342 |

Tam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: ER-1
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-9
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics (5mL Purge) | | | | | | | | | | | |
| | Chloromethane | ND | U | | 1 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Vinyl chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Bromomethane | ND | U | | 3 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Chloroethane | ND | U | J4 | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | 1,1-Dichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Carbon disulfide | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Acetone | 3 J3, | J | 5, J4 | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Methylene chloride | 1 | J | 5 | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | trans-1,2-Dichloroethene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | 1,1-Dichloroethane | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Vinyl acetate | ND | U | | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | cis-1,2-Dichloroethene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | 2-Butanone (MEK) | ND | U | | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Chloroform | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | 1,1,1-Trichloroethane | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Carbon tetrachloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Benzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | 1,2-Dichloroethane | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Trichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | 1,2-Dichloropropane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Bromodichloromethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | cis-1,3-Dichloropropene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | 4-Methyl-2-pentanone (MIBK) | ND | U | | 0.9 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Toluene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | trans-1,3-Dichloropropene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | 1,1,2-Trichloroethane | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Tetrachloroethene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | 2-Hexanone | ND | U | | 0.7 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |

* In Description = Dry Wgt.



000024

Jam 3/12/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: ER-1
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-9
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dibromochloromethane | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Chlorobenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Ethylbenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Styrene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Bromoform | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | 1,1,2,2-Tetrachloroethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |
| | Xylenes (total) | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1540 | pam |

* In Description = Dry Wgt.



Dam 3/12/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: ER-1
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-9
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8270C | Semivolatile Organics | | | | | | | | | | | |
| | Phenol | ND | U | J9 | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Bis(2-chloroethyl)ether | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 1,3-Dichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 1,4-Dichlorobenzene | ND | U | | 0.2 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 1,2-Dichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Benzyl alcohol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2-Methylphenol | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2,2-oxybis (1-chloropropane) | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | n-Nitroso-di-n-propylamine | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Hexachloroethane | ND | U | J9 | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 4-Methylphenol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2-Chlorophenol | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Nitrobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Bis(2-chloroethoxy)methane | ND | U | | 0.2 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 1,2,4-Trichlorobenzene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Benzoic acid | ND | U | J4,V39 | 24 | 54 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Isophorone | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2,4-Dimethylphenol | ND | U | J9 | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Hexachlorobutadiene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Naphthalene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2,4-Dichlorophenol | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 4-Chloroaniline | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2,4,6-Trichlorophenol | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2,4,5-Trichlorophenol | ND | U | | 0.3 | 54 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Hexachlorocyclopentadiene | ND | U | J4 | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2-Methylnaphthalene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2-Nitroaniline | ND | U | | 0.4 | 54 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2-Chloronaphthalene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |

* In Description = Dry Wgt.



dmm 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: ER-1
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-9
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4-Chloro-3-methylphenol | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2,6-Dinitrotoluene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2-Nitrophenol | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 3-Nitroaniline | ND | U | | 0.4 | 54 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Dimethyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2,4-Dinitrophenol | ND | U | J4 | 1 | 54 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Acenaphthylene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 2,4-Dinitrotoluene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Acenaphthene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Dibenzofuran | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 4-Nitrophenol | ND | U | J9 | 0.4 | 54 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Fluorene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 4-Nitroaniline | ND | U | | 0.6 | 22 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 4-Bromophenyl phenyl ether | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Hexachlorobenzene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Diethyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 4-Chlorophenyl phenyl ether | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Pentachlorophenol | ND | U | | 3 | 54 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | n-Nitrosodiphenylamine | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | 4,6-Dinitro-2-methylphenol | ND | U | | 1 | 54 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Phenanthrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Carbazole | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Di-n-butyl phthalate | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Fluoranthene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Butyl benzyl phthalate | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Benzo(a)anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Chrysene | ND | U | | 0.6 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |

* In Description = Dry Wgt.



000050

Jm 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/10/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: ER-1
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-9
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3,3-Dichlorobenzidine | ND | U | | 0.4 | 22 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Bis(2-ethylhexyl)phthalate | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Di-n-octyl phthalate | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Benzo(b)fluoranthene | ND | U | | 1 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Benzo(k)fluoranthene | ND | U | | 0.3 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Benzo(a)pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Indeno(1,2,3-cd)pyrene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Dibenzo(a,h)anthracene | ND | U | | 0.5 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |
| | Benzo(ghi)perylene | ND | U | | 0.4 | 11 | 1.00000 | ug/L | 29427 | | 03/02/04 2301 | dmm |

* In Description = Dry Wgt.



00000351

JMM 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/06/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: ER-1
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-9
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8082 | PCB Analysis | | | | | | | | | | | |
| | Aroclor 1016 | ND | U | | 0.057 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0955 | kam |
| | Aroclor 1221 | ND | U | | 0.11 | 1.0 | 1.00000 | ug/L | 29327 | | 03/03/04 0955 | kam |
| | Aroclor 1232 | ND | U | | 0.081 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0955 | kam |
| | Aroclor 1242 | ND | U | | 0.072 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0955 | kam |
| | Aroclor 1248 | ND | U | | 0.060 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0955 | kam |
| | Aroclor 1254 | ND | U | | 0.094 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0955 | kam |
| | Aroclor 1260 | ND | U | | 0.082 | 0.50 | 1.00000 | ug/L | 29327 | | 03/03/04 0955 | kam |

* In Description = Dry Wgt.



Jam 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/04/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: ER-1
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-9
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9012 | Cyanide (Colorimetric)<br>Cyanide, Total | ND | U | | 7.0 | 10.0 | 1.0 | ug/L | 29219 | | 03/04/04 1324 | dtn |

* In Description = Dry Wgt.



00000078

Jm 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/09/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: ER-1
Date Sampled.....: 02/25/2004
Time Sampled.....: 12:50
Sample Matrix.....: Water

Laboratory Sample ID: 205951-9
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7470A | Mercury (CVAA) | | | | | | | | | | | |
| | Mercury | ND | U | | 0.18 | 0.20 | 1.0000 | ug/L | 29159 | | 03/02/04 1352 | nnp |
| 6010B | Metals Analysis (ICAP Trace) | | | | | | | | | | | |
| | Aluminum | ND | U | | 92.0 | 500 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Antimony | ND | U | | 5.4 | 20.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Arsenic | ND | U | | 3.9 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Barium | ND | U | | 0.74 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Beryllium | ND | U | | 0.54 | 5.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Cadmium | ND | U | | 1.1 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Calcium | ND | U | | 56.0 | 300 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Chromium | ND | U | | 1.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Cobalt | ND | U | | 1.8 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Copper | ND | U | | 4.3 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Iron | ND | U | | 54.0 | 200 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Lead | ND | U | | 3.0 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Magnesium | ND | U | | 26.0 | 100 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Manganese | ND | U | | 6.9 | 15.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Nickel | ND | U | | 1.9 | 10.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Potassium | ND | U | | 191 | 400 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Selenium | ND | U | | 5.0 | 30.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Silver | ND | U | | 1.1 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Sodium | ND | U | | 98.0 | 400 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Thallium | ND | U | | 10.0 | 40.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Vanadium | ND | U | | 1.5 | 6.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |
| | Zinc | ND | U | | 11.0 | 50.0 | 1 | ug/L | 29217 | | 03/03/04 1740 | nnp |

* In Description = Dry Wgt.



JGM 3/17/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: TRIP BLANK
Date Sampled.....: 02/25/2004
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 205951-10
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8260B | Volatile Organics (5mL Purge) | | | | | | | | | | | |
| | Chloromethane | ND | U | | 1 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Vinyl chloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Bromomethane | ND | U | | 3 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Chloroethane | ND | U | J4 | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | 1,1-Dichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Carbon disulfide | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Acetone | ND | U | J4 | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Methylene chloride | 1 | J | J5 | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | trans-1,2-Dichloroethene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | 1,1-Dichloroethane | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Vinyl acetate | ND | U | | 2 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | cis-1,2-Dichloroethene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | 2-Butanone (MEK) | ND | U | | 2 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Chloroform | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | 1,1,1-Trichloroethane | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Carbon tetrachloride | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Benzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | 1,2-Dichloroethane | ND | U | | 0.6 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Trichloroethene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | 1,2-Dichloropropane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Bromodichloromethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | cis-1,3-Dichloropropene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | 4-Methyl-2-pentanone (MIBK) | ND | U | | 0.9 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Toluene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | trans-1,3-Dichloropropene | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | 1,1,2-Trichloroethane | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Tetrachloroethene | ND | U | | 0.4 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | 2-Hexanone | ND | U | | 0.7 | 10 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |

* In Description = Dry Wgt.



Jam 3/13/04

# LABORATORY TEST RESULTS

Job Number: 205951

Date:03/08/2004

CUSTOMER: GEI CONSULTANTS, INC. PROJECT: KINGSBRIDGE STATION ATTN: John Bogdanski

Customer Sample ID: TRIP BLANK
Date Sampled.....: 02/25/2004
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 205951-10
Date Received.....: 02/26/2004
Time Received.....: 10:50

| TEST METHOD | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | Q | FLAGS | MDL | RL | DILUTION | UNITS | BATCH | DT | DATE/TIME | TECH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dibromochloromethane | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Chlorobenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Ethylbenzene | ND | U | | 0.5 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Styrene | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Bromoform | ND | U | | 0.8 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | 1,1,2,2-Tetrachloroethane | ND | U | | 0.7 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |
| | Xylenes (total) | ND | U | | 0.9 | 5 | 1.00000 | ug/L | 29007 | | 02/28/04 1510 | pam |

* In Description = Dry Wgt.



Tam 3/1/04

# Quality Assurance/Quality Control (QA/QC)

## Summary of QA/QC Program

A QA/QC program for the Kingsbridge Station, Bronx, NY Site Investigation was instituted to ensure that the analytical and project objectives were met. The QA/QC program consisted of the development of the Quality Assurance Project Plan (QAPP) which detailed the data quality objectives (DQOs) for each analytical parameter for the entire investigation. During the program, the collection of QC samples was monitored by the GEI Project Manager to ensure that the field QC samples were collected at the proper frequency. Finally, the QA/QC program included data validation for 100 percent of the analytical data.

The results of the data validation were summarized in Data Usability Summary Reports (DUSRs). These DUSRs appear in the report in Appendix C and include a discussion on each qualified result, the potential bias and the effect on the data usability. The data validation was performed in accordance with the *USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8260B*, SOP No. HW-24, Revision 1, June 1999, *USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8270C*, SOP No. HW-22, Revision 2, June 2001, *USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8080A/8000A*, SOP No. HW-23, Revision 0, April 1995 and the *USEPA Region II Standard Operating Procedure (SOP) for the Evaluation of Metals Data for the Contract Laboratory Program*, SOP No. HW-2, Revision 11, January 1992, modified as necessary to accommodate the SW-846 methodologies used. The full laboratory analytical data package is submitted in Appendix C to the report.

The results of the data validation were used to determine if project objectives had been met. The results of the data validation provided a quantitative evaluation of the DQOs: precision, accuracy, completeness, and sensitivity. For each analytical parameter, DQOs were established prior to the onset of the program for both field and analytical accuracy, precision, sensitivity and completeness. In order for the successful achievement of the project objectives, all DQOs must be met. Actual sample and QC sample results were compared to project DQOs to determine whether results could be used to fulfill project objectives for this sampling event. The assessment of these DQOs and the usability of the data as a result of this assessment is discussed in detail below.

## Precision

### *Field Precision*

Field precision was measured by the collection of field duplicates. As per the QAPP, field duplicates were scheduled to be collected at a frequency of one for every 20 samples per matrix per parameter. Field duplicates were collected by taking two aliquots of the same sample, containerizing the samples, and submitting them to the laboratory for analysis as two separate samples. For organics, the relative percent difference (RPD) criterion was 30 percent for aqueous samples and 50 percent for solid samples when the concentration for the sample and the duplicate was greater than or equal to 5x the quantitation limit. For inorganics, the relative percent difference

(RPD) criterion was 50 percent for aqueous samples and 100 percent for solid samples when the concentration for the sample and the duplicate was greater than or equal to 5x the quantitation limit. For this program field duplicate samples were collected at the proper frequency. Field duplicate samples collected from the Kingsbridge Station site were as follows:

KS-MW1(22-24)/KS-DUP3: VOCs, SVOCs, PCBs, Metals, Cyanide/soil
KS-B-9(14-16)/KS-B-DUP-2: VOCs, SVOCs, PCBs, Metals, Cyanide/soil
KS-B-3(2-4)/KS-B-DUP-1: VOCs, SVOCs, PCBs, Metals, Cyanide/soil
K-SS-3/K-SS-DUP-1: VOCs, SVOCs, PCBs, Metals, Cyanide/soil
MW-1/MW-DUP: VOCs, SVOCs, PCBs, Metals, Cyanide/aqueous

The RPDs were found outside of the control limit in some cases resulting in the qualification of analyte results as estimated (J/UJ) in the field duplicate samples. These qualifications have a minor effect on the usability of the data. All results are still usable for project objectives.

*Analytical Precision*

Analytical precision was measured by the analyses of matrix spike/matrix spike duplicate (MS/MSD) samples for organic parameters and laboratory duplicate samples for inorganic parameters. As per the QAPP, MS/MSDs or duplicate samples were scheduled to be analyzed at a frequency of at least one for every 20 samples per matrix per parameter. The laboratory performed MS/MSD or duplicate analyses at this frequency, however several analyses were performed on non-project samples. Results were qualified as estimated (J/UJ) for project samples which exhibited RPDs outside of control limits. These qualifications have a minor effect on the usability of the data. All results are still usable for project objectives.

**Accuracy**

*Field Accuracy*

Accuracy in the field was assessed through the collection and analysis of field blanks for VOC, SVOC, PCB, Metals, and Cyanide analyses and trip blanks for VOC analyses.

Field blanks were used to evaluate the potential contamination of samples from the sampling equipment, cleanliness of sample containers, sample handling and collection procedures. Field blanks were collected by pouring deionized water through (or over) sample collection equipment after the initial decontamination procedure and prior to use. As per the QAPP, field blanks were scheduled to be collected at a frequency of one per 20 samples per matrix per parameter. This frequency requirement was met for all ground water and soil samples.

Trip blanks were used to evaluate the potential for VOC contamination of samples due to contaminant migration during sample shipment and storage. Trip blanks consisted of 40 mL VOA vials filled with distilled water; these blanks remained with the samples during shipping and storage. One trip blank sample was submitted for this project.

Field blank and trip blank results were evaluated to determine if high levels of contaminants or uncommon contaminants were detected and the percentage of samples affected. Contamination in blanks indicates that false positives may exist in samples associated with the affected blanks; these false positives may lead to a high bias for these analytes. Select sample results were negated on the basis of this comparison, in accordance with the data validation guidelines. Sodium in five samples, nickel in 13 samples, acetone in one sample, carbon disulfide in three samples, and methylene chloride in 17 samples were qualified as nondetects during data validation due to the field blank contamination.

In general, the results of the field blanks did not indicate any systematic pattern of contamination indicative of improperly cleaned equipment or poor sampling techniques. Based on the results of the trip blank samples, it does not appear that contaminant migration during shipment and storage was a problem for samples collected during the investigation. Therefore, the usability of the data was not adversely affected on the basis of the field blank or trip blank evaluations.

*Laboratory Accuracy*

Accuracy in the laboratory was assessed through the evaluation of cooler temperatures, holding times, calibrations, laboratory method blanks, surrogate spike recoveries, laboratory control spikes (LCSs), MS/MSD recoveries, internal standards, and target compound identification.

Cooler Temperatures and Holding Times

All samples were received at the method-specified temperature. None of the project field sample data required qualification on the basis of cooler temperatures. All samples, with the exception of two PCB samples, were prepared and/or analyzed within the required holding times, resulting in the qualification of analyte results as estimated (J/UJ) in these samples. These qualifications have a minor effect on the usability of the data. All results are still usable for project objectives.

Calibrations

Select analyte results were qualified as estimated (J/UJ) due to initial and/or continuing calibration relative standard deviations and percent differences outside of control limits in the VOC and SVOC analyses. Several analyte results were qualified as estimated (J/UJ) due to detection limit standard recoveries outside of control limits in the metals analyses. These qualifications have a minor effect on the usability of the data. All results are still usable for project objectives.

Results for bromomethane in seven samples were rejected (R) due to low calibration response factors. The result for zinc in one sample was rejected (R) due to CRDL standard recovery greater than 150%. These results were not usable for project objectives. This has a minor effect as these compounds were not compounds of concern at the site**.**

Laboratory Method and Instrument Blanks

Laboratory blanks were used to evaluate the potential contamination of samples from the preparation and analytical procedures. Laboratory blanks were prepared and/or analyzed along with each batch of field samples. Laboratory blanks were scheduled to be prepared and analyzed at a frequency of one per 20 samples per matrix per parameter per day of digestion/extraction and/or analysis. Laboratory blanks were evaluated against their associated field samples to determine if a laboratory condition contributed to false positives or high bias in the field samples. In general, the laboratory blank results did not indicate a significant laboratory contamination problem. Common organic contaminants and metals were detected in the laboratory method and instrument blanks at low levels resulting in the blank qualification (U) of field samples during data validation. The usability of the data was not adversely affected by the laboratory blank contamination.

Surrogate Spike Recoveries

Surrogate spike compounds were added to each sample undergoing organic analyses to assess method performance and/or extraction efficiency. Results were qualified as estimated (J/UJ) for samples which exhibited surrogate recoveries outside of control limits. These qualifications have a minor effect on the usability of the data and results are still usable for project objectives.

LCS Analyses

LCSs consisted of clean water or clean soil spiked with all target analytes prior to preparation and/or analysis at the mid-range of the calibration using a secondary source standard different from that used for calibration. The LCS is used to provide an independent assessment of the overall efficiency of the analytical method. Analytes which were recovered outside of the control limits in the LCS were qualified as estimated (J/UJ) in the associated field samples. The following SVOC compounds were rejected (R) due to LCS recovery less than 10%: benzoic acid in 15 samples, 4,6-dinitro-2-methylphenol in two samples, and 2,4-dinitrophenol in three samples. These results were not usable for project objectives. This has a minor effect as these compounds were not compounds of concern at the site**.**

MS Recoveries

MS compounds were added to select samples prior to preparation and/or analysis to assess the overall effect of the sample matrix on the performance of the method. As per the QAPP, MSs were scheduled to be performed at a frequency of one per 20 samples per matrix per parameter and MSDs were scheduled to be performed at a frequency of one per 20 samples per matrix per organic parameter. The laboratory performed MS and/or MSD analyses at this frequency, however several MS/MSD analyses were performed on non-project samples. Results were qualified as estimated (J/UJ) for project samples which exhibited MS/MSD recoveries outside of control limits. These qualifications have a minor effect on the usability of the data and results are still usable for project objectives. The result for pentachlorophenol in one sample and cyanide in one sample were rejected (R) due to MS recoveries less than 10%. These results are not usable for project objectives.

Internal Standards

Internal standard compounds were added to each sample undergoing VOC and SVOC analyses to assess method performance. All sample internal standard areas were within the control limits with the exception of four SVOC samples. The samples were reanalyzed to confirm matrix interferences. Affected results were qualified as estimated (J/UJ) for these samples. All results are still usable for project objectives.

Target Compound Identification

PCB samples were analyzed on two columns to confirm compound identification. Compounds which exhibited dual column RPDs greater than 25 but less than 70% were qualified as estimated (J). Compounds which exhibited dual RPDs greater than 70 but less than 100% were qualified as presumptively present (NJ). For sample compound results less than the reporting limit, which exhibited dual column RPDs greater than 100%, the PCB value was raised to the reporting limit and qualified as nondetect (U).

**Sensitivity**

Sensitivity was assessed by the evaluation of analytical quantitation limits**.** Quantitation limits were established based upon action levels, instrument sensitivity and information provided by the laboratory. However, these values should be considered target values only, as actual quantitation limits were affected by numerous factors, including percent moisture in the samples, matrix interferences, and sample dilutions.
Potential uncertainty exists for reported results which were below the lowest calibration standard or quantitation limit but above the method detection limit (MDL). These results were qualified as estimated (J) but are still usable for project objectives.

**Completeness**

Completeness is defined as the measure of the amount of valid data obtained from a measurement system compared to the amount that was expected. For the Kingsbridge Station, Bronx, NY data, completeness was assessed by comparing (1) the number of samples successfully analyzed to the number submitted, and (2) the number of valid measurements to the number of measurements obtained. Completeness was calculated according to the following equation:

$$\% \text{ Completeness} = \frac{\text{\# of Valid Results}}{\text{\# of Expected Results}} \times 100$$

The field completeness objective (defined by [1] above) was greater than 90 percent. This goal was achieved. All samples submitted for laboratory analysis for the requested parameters were successfully analyzed (thereby 100 percent completeness).

The laboratory completeness objective (defined by [2] above) was greater than 95 percent. This goal was achieved. 30 results were deemed unusable during data validation resulting in laboratory completeness of 99.7 percent.

**Overall Summary**

In general, the soil and groundwater data were found to be valid and usable for the intended purposes of the site characterization. The soil and groundwater data were found to be valid for site decision-making purposes. The laboratory followed the analytical protocols set forth in the various methods.

The only rejected (i.e., unusable) results were due to low calibration response factor, MS, reporting limit standard, and/or LCS recoveries exhibited in the volatile, semivolatile, and metals analyses (30). Out of the total population of 9,275 individual results for all samples, this represents only 0.3 percent.

Through the data validation process, several analyte results were qualified as estimated (J/UJ). The qualifiers (J or UJ) flagged the positive and nondetect analyte results as estimated due to a QC measure found outside of control limits. These results are still usable for project objectives.

**Site:** Kingsbridge Station
**Laboratory:** Severn Trent Labs, Inc., Shelton, CT
**Job No.:** 205651
**Reviewer:** Lisa McDonagh/GEI Consultants
**Date:** March 16, 2004

**Samples Reviewed and Evaluation Summary**

| FIELD ID | LAB ID | FRACTIONS VALIDATED |
|---|---|---|
| K-SS-1 | 205651-01 | VOC, SVOC |
| K-SS-2 | 205651-02 | VOC, SVOC |
| K-SS-3 | 205651-03 | VOC, SVOC |
| K-SS-4 | 205651-04 | VOC, SVOC |
| K-SS-5 | 205651-05 | VOC, SVOC |
| K-SS-6 | 205651-06 | VOC, SVOC |
| K-SS-7 | 205651-07 | VOC, SVOC |
| K-SS-8 | 205651-08 | VOC, SVOC |
| K-SS-9 | 205651-09 | VOC, SVOC |
| K-SS-DUP-1 | 205651-10 | VOC, SVOC |
| KS-FB-010804 | 205651-11 | VOC, SVOC |
| KS-TB-010804 | 205651-12 | VOC |
| KS-MW-4(0.5-1) | 205651-13 | VOC, SVOC |
| KS-B-4(3-4) | 205651-14 | VOC, SVOC |
| KS-B-7(3-5) | 205651-15 | VOC, SVOC |
| KS-B-8(3-5) | 205651-16 | VOC, SVOC |
| KS-B-6(2-5) | 205651-17 | VOC, SVOC |
| KS-MW-5(2-5) | 205651-18 | VOC, SVOC |
| KS-MW-3(4-5) | 205651-19 | VOC, SVOC |

| | | |
|---|---|---|
| Associated QC Samples: | Field/Trip Blanks: | KS-FB-010804, KS-TB-010804 |
| | Field Duplicate pair: | K-SS-3/K-SS-DUP-1 |

The above listed soil and aqueous samples were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B, semivolatile organic compounds (SVOCs) by SW-846 method 8270C. The data validation was based on the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8260B, SOP No. HW-24, Revision 1, June 1999, USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8270C, SOP No. HW-22, Revision 2, June 2001.

Kingsbridge Station 031510

The organic data were evaluated based on the following parameters:

| | | |
|---|---|---|
| * | · | Holding Times and Sample Preservation |
| * | · | Data Completeness |
| * | · | Gas Chromatography/Mass Spectrometry (GC/MS) Tunes |
| | · | Initial and Continuing Calibrations |
| | · | Blanks |
| * | · | Surrogate Recoveries |
| | · | Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results |
| | · | Laboratory Control Sample (LCS) Results |
| | · | Internal Standards |
| * | · | Field Duplicate Results |
| | · | Quantitation Limits and Data Assessment |

| | | |
|---|---|---|
| * | - | All criteria were met. |
| NA | - | Not applicable |

All results were found to be usable with the exception of pentachlorophenol in sample KS-B-7(3-5) due to poor matrix spike recoveries.

The organic validation recommendations were based on the following information.

**Data Completeness**

The data package was found to be complete.

**Holding Times and Sample Preservation**

All criteria were met in the VOC and SVOC analyses.

**GC/MS Tunes**

All criteria were met in the VOC and SVOC analyses.

**Initial and Continuing Calibrations**

Compounds that did not meet criteria in the VOC and SVOC initial and continuing calibrations are summarized in the following tables.

| **Instrument ID**<br>**MSL**<br>**Compound** | **IC**<br>**1/12/04** | **CC**<br>**1/12/04** |
|---|---|---|
| bromomethane | X (21.2%) | |
| | | |

Kingsbridge Station 031510

| **Instrument ID**<br>**MSL**<br>**Compound** | **IC**<br>**1/12/04** | **CC**<br>**1/12/04** |
|---|---|---|
| choroethane | X (15.8%) | |
| acetone | X (16.2%) | |
| 2-butanone | X (16.7%) | |
| bromoform | X (16.2%) | |
| Samples Affected | All listed | KS-FB-010804,<br>KS-TB-010804 |

| **Instrument ID**<br>**MSN**<br>**Compound** | **IC**<br>**11/24/03** | **CC**<br>**1/15/04** | **CC**<br>**1/16/04** |
|---|---|---|---|
| chloromethane | | XX (23.7%) | XX (24.5%) |
| bromomethane | X (20.9%) | XX (71.4%)) | XX (73.4%) |
| chloroethane | X (31.6%) | | |
| acetone | X (17.9%) | | |
| 1,1,1-trichloroethane | | XX (21.4%) | |
| tetrachloroethene | | XX (20.5%) | |
| bromoform | X (15.3%) | | |
| Samples Affected | All listed | K-SS-1, K-SS-2, K-SS-3, K-SS-4, K-SS-6, K-SS-7, K-SS-8, K-SS-9, K-SS-4RA*, K-SS-6RA* | K-SS-5, K-SS-8RA*, K-SS-DUP-1, KS-MW-4(0.5-1), KS-B-4(3-4), KS-B-7(3-5), KS-B-8(3-5), KS-B-6(2-5), KS-MW-5(2-5), KS-MW-3(4-5) |

| **Instrument ID**<br>**MSU**<br>**Compound** | **IC**<br>**1/14/04** | **CC**<br>**1/14/04** |
|---|---|---|
| benzoic acid | | |
| | | |

Kingsbridge Station 031510

| Instrument ID<br>MSU<br>Compound | IC<br>1/14/04 | CC<br>1/14/04 |
|---|---|---|
| hexachlorocyclopentadiene | | |
| 2,4-dinitrophenol | X (18.5%) | |
| Samples Affected | All listed | K-SS-1 |

| Instrument ID<br>MSU<br>Compound | IC<br>1/19/04 | CC<br>1/20/04 |
|---|---|---|
| benzoic acid | X (15.1%) | |
| 2,4-dinitrophenol | X (31.5%) | XX (21.4%) |
| 4,6-dinitro-2-methylphenol | X (15.4%) | |
| pentachlorophenol | X (28.6%) | |
| Samples Affected | All listed | KS-MW-4(0.5-1),<br>KS-B-8(3-5),<br>KS-B-6(2-5) |

| Instrument ID<br>MSU<br>Compound | IC<br>1/21/04 | CC<br>1/21/04 |
|---|---|---|
| 2,4-dinitrophenol | X (15.5%) | |
| Samples Affected | All listed | KS-B-4(3-4),<br>KS-B-7(3-5),<br>KS-MW-5(2-5),<br>KS-MW-3(4-5),<br>K-SS-2, K-SS-3,<br>K-SS-4, K-SS-5,<br>K-SS-6, K-SS-7,<br>K-SS-8, K-SS-9,<br>K-SS-DUP-1 |

* - Validation action was not required as this analysis was not reported for the affected analytes.

X = Initial calibration (IC) relative standard deviation (%RSD) > 15; estimate (J3) positive and (UJ3) the nondetect results.

XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ4) positive and

nondetect results.

+ = Response factor (RRF) < 0.05; Estimate (J2) positive results and reject (R2) nondetect results.

The following results were qualified as estimated (J/UJ3) due to initial calibration nonconformances: bromomethane, chloroethane, acetone, 2-butanone and bromoform in samples KS-FB-010804 and KS-TB-010804, bromomethane, chloroethane acetone and bromoform in samples K-SS-1, K-SS-2, K-SS-3, K-SS-4,K-SS-6, K-SS-7,K-SS-8, K-SS-9,K-SS-4RA, K-SS-6RA, K-SS-5, K-SS-8RA, K-SS-DUP-1, KS-MW-4(0.5-1), KS-B-4(3-4), KS-B-7(3-5), KS-B-8(3-5), KS-B-6(2-5), KS-MW-5(2-5) and KS-MW-3(4-5), 2,4-dinitrophenol in sample K-SS-1, benzoic acid, 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol and pentachlorophenol in samples KS-MW-4(0.5-1), KS-B-8(3-5) and KS-B-6(2-5) due to initial calibration nonconformances. The following results were qualified as estimated (J/UJ4) due to continuing calibration nonconformances: chloromethane, bromomethane, 1,1,1-trichloroethane and tetrachloroethene in samples K-SS-1, K-SS-2, K-SS-3, K-SS-4,K-SS-6, K-SS-7,K-SS-8, K-SS-9,K-SS-4RA and K-SS-6RA, chloromethane and bromomethane in samples K-SS-5, K-SS-8RA, K-SS-DUP-1, KS-MW-4(0.5-1), KS-B-4(3-4), KS-B-7(3-5), KS-B-8(3-5), KS-B-6(2-5), KS-MW-5(2-5) and KS-MW-3(4-5), 2,4-dinitrophenol in samples KS-MW-4(0.5-1), KS-B-8(3-5) and KS-B-6(2-5) due to continuing calibration nonconformances.

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## Blanks

The following table summarizes the method blank contamination in the VOC and SVOC analyses.

| Compound | Type of Blank | Associated Samples | Maximum Concentration | Blank Action Level |
|---|---|---|---|---|
| carbon disulfide | Soil Method Blank | K-SS-1, K-SS-2, K-SS-3, K-SS-4, K-SS-6, K-SS-7, K-SS-8, K-SS-9, K-SS-4RA*, K-SS-6RA* | 0.78 ug/Kg | 3.9 ug/Kg |
| bis(2-ethylhexyl)phthalate | Soil Method Blank | K-SS-1, K-SS-2 , K-SS-3, K-SS-4, K-SS-5, K-SS-6, K-SS-7, K-SS-8, K-SS-9, K-SS-DUP-1 | 62.4 ug/Kg | 624 ug/Kg |
| di-n-butylphthalate | Soil Method Blank | K-SS-1, K-SS-2 , K-SS-3, K-SS-4, K-SS-5, K-SS-6, K-SS-7, K-SS-8, K-SS-9, K-SS-DUP-1 | 37.9 ug/Kg | 379 ug/Kg |
| di-n-butylphthalate | Soil Method Blank | KS-MW-4(0.5-1), KS-B-4(3-4), KS-B-7(3-5), KS-B-8(3-5), KS-B-6(2-5), KS-MW-5(2-5), KS-MW-3(4-5) | 17.5 ug/Kg | 175 ug/Kg |

* - Validation action was not required as this analysis was not reported for the affected analytes.

The following table summarizes the field and trip blank contamination in the VOC and SVOC analyses.

| Compound | Type of Blank | Associated Samples | Maximum Concentration | Blank Action Level |
|---|---|---|---|---|
| carbon disulfide | Trip Blank | all samples | 2 ug/L | 10 ug/L |
| methylene chloride | Field Blank | all samples | 1 ug/L | 10 ug/L |

Blank Actions

If the sample concentration ≤ QL and ≤ blank action level, qualify the result as not detected (U6) at the QL.
If the sample concentration > QL and ≤ blank action level, qualify the result as not detected (U6) at the reported value.
If the sample concentration > blank action level, report the value unqualified.

Based on the action levels determined, the carbon disulfide result in samples K-SS-1, K-SS-2, K-SS-3, K-SS-4, K-SS-6 and K-SS-7, di-n-butylphthalate in samples K-SS-1, K-SS-2, K-SS-3, K-SS-4, K-SS-5, K-SS-6, K-SS-7, K-SS-9, K-SS-DUP-1, KS-MW-4(0.5-1), KS-B-4(3-4), KS-B-8(3-5), KS-B-6(2-5) and KS-MW-5(2-5) and bis(2-ethylhexyl)phthalate in samples K-SS-2, K-SS-3, K-SS-4, K-SS-5, K-SS-6, K-SS-7, K-SS-9 and K-SS-DUP-1 were qualified as nondetect (U6) due to method blank contamination.

Based on the action levels determined, the carbon disulfide result in samples KS-B-8(3-5), KS-B-6(2-5) and KS-MW-3(4-5), methylene chloride in result in samples K-SS-1, K-SS-4, K-SS-5, K-SS-6RA, K-SS-8, K-SS-DUP-1, KS-MW-4(0.5-1), KS-B-4(3-4), KS-B-7(3-5), KS-B-8(3-5), KS-B-6(2-5), KS-MW-5(2-5) and KS-MW-3(4-5) were qualified as nondetect (U6) due to field and trip blank contamination.

## Surrogate Recoveries

All criteria were met in the VOC and SVOC analyses.

## MS/MSD Results

A VOA MS/MSD was not submitted with these samples.

An MS/MSD was performed on sample KS-B-7(3-5) for the SVOC analyses. The following table lists the analyte MS/MSD recoveries and/or %RPDs which were outside of the laboratory established control limits.

| Compound | MS/MSD %R | RPD % | QC Limits | Action |
|---|---|---|---|---|
| pentachlorophenol | 9, 8 | - | 60-140, <47 | Reject the nondetect result (R8) for pentachlorophenol in the sample KS-B-7(3-5) ; possible low bias. |
| pyrene | 263, 50 | 36 | 66-121, <36 | Estimate the positive result (J8) for pyrene in the sample KS-B-7(3-5). |

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## LCS Results

The following table lists the VOC and SVOC compound recoveries found outside of the laboratory control limits of 60-140% and the resultant actions.

| Compound | Recovery (%) | Associated samples | Actions |
|---|---|---|---|
| acetone<br>2-butanone<br>2-hexanone | 163<br>142<br>146 | KS-FB-010804,<br>KS-TB-010804 | Validation not required, affected compounds not detected in the associated samples. |
| bromomethane | 28 | K-SS-1, K-SS-2, K-SS-3, K-SS-4, K-SS-6, K-SS-7, K-SS-8, K-SS-9, K-SS-4RA, K-SS-6RA* | Estimate (UJJ9) the nondetect results for bromomethane in the associated samples; results may be biased low. |
| acetone | 165 | K-SS-1, K-SS-2, K-SS-3, K-SS-4, K-SS-6, K-SS-7, K-SS-8, K-SS-9, K-SS-4RA*, K-SS-6RA* | Validation not required, acetone was not detected in the associated samples. |
| bromomethane | 34 | K-SS-5, K-SS-8RA*, K-SS-DUP-1, KS-MW-4(0.5-1), KS-B-4(3-4), KS-B-7(3-5), KS-B-8(3-5), KS-B-6(2-5), KS-MW-5(2-5), KS-MW-3(4-5) | Estimate (UJ9) the nondetect results for bromomethane in all samples, results may be biased low. |
| acetone | 151 | K-SS-5, K-SS-8RA*, K-SS-DUP-1, KS-MW-4(0.5-1), KS-B-4(3-4), KS-B-7(3-5), KS-B-8(3-5), KS-B-6(2-5), KS-MW-5(2-5), KS-MW-3(4-5) | Estimate (J9) the positive results for acetone in all samples, results may be biased high. |
| benzoic acid<br>4-chloroaniline<br>3-nitroaniline<br>3,3-dichlorobenzidine | 30<br>19<br>41<br>39 | KS-MW-4(0.5-1), KS-B-4(3-4), KS-B-7(3-5), KS-B-8(3-5), KS-B-6(2-5), KS-MW-5(2-5), KS-MW-3(4-5) | Estimate (UJ9) the nondetect results for the affected compounds in all samples, results may be biased low. |
| phenol<br>1,3-dichlorobenzene<br>1,2-dichlorobenzene<br>2-methylphenol | 28<br>58<br>59<br>57 | KS-FB-010804 | Estimate (UJ9) the nondetect results for the affected compounds in all samples, results may be biased low. |

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| Compound | Recovery (%) | Associated samples | Actions |
|---|---|---|---|
| hexachloroethane<br>4-methylphenol<br>benzoic acid<br>2,4-dimethylphenol<br>hexachlorocyclopentadiene<br>4-nitrophenol | 57<br>53<br>21<br>58<br>59<br>35 | | |
| benzoic acid<br>4-chloroaniline<br>3-nitroaniline<br>2,4-dinitrophenol<br>4,6-dinitro-2-methylphenol<br>3,3-dichlorobenzidine | 22<br>50<br>58<br>26<br>47<br><br>55 | K-SS-1, K-SS-2, K-SS-3, K-SS-4, K-SS-5, K-SS-6, K-SS-7, K-SS-8, K-SS-9, K-SS-DUP-1 | Estimate (UJ9) the nondetect results for the affected compounds in all samples, results may be biased low. |

* - Validation action was not required as this analysis was not reported for the affected analytes.

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## Internal Standards

The following table lists the internal standard recoveries found outside of control limits and the resulting validation actions:

| Sample | Internal standard | Actions |
|---|---|---|
| K-SS-4 | 1,4-Dichlorobenzene-d4 | Estimate the positive and nondetect results (J11/UJ11) for the compounds associated with the internal standard. Report this analysis. |
| K-SS-6 | 1,4-Dichlorobenzene-d4 | Estimate the positive and nondetect results (J11/UJ11) for the compounds associated with the internal standard. Report this analysis. |
| K-SS-8 | 1,4-Dichlorobenzene-d4 | Estimate the positive and nondetect results (J11/UJ11) for the compounds associated with the internal standard. Report this analysis. |
| K-SS-4RA* | Chlorobenzene-d5<br>1,4-Dichlorobenzene-d4 | Estimate the positive and nondetect results (J11/UJ11) for the compounds associated with the internal standard. Report original analysis. |
| K-SS-6RA* | 1,4-Dichlorobenzene-d4 | Estimate the positive and nondetect results (J11/UJ11) for the compounds associated with the internal standard. Report original analysis. |
| K-SS-8RA* | 1,4-Dichlorobenzene-d4 | Estimate the positive and nondetect results (J11/UJ11) for the compounds associated with the internal standard. Report original analysis. |
| KS-SS-DUP-1 | Perylene-d12 | Estimate the positive results (J11) for the compounds associated with the internal standard. |

* - Validation action was not required as this analysis was not reported for the affected analytes.

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## Field Duplicate Results

All criteria were met in the VOC and SVOC analyses.

## Quantitation Limits and Data Assessment

Sample calculations were spot-checked; there were no errors noted.
Results were reported which were below the lowest calibration standard level (RL) and above the method detection limit (MDL) in the VOC and SVOC analyses. These results were qualified by the laboratory (J). These results were qualified as estimated (J5) due to uncertainty at the low end of calibration.

The following table lists the sample dilutions and/or reanalyses which were performed and reported. Quantitation limits were elevated accordingly.

| Sample | VOC Analysis Reported | SVOC Analysis Reported |
|---|---|---|
| K-SS-4 | Low level analysis reported for all analytes. Sample analyzed twice due to poor internal standard area recoveries, report original analysis. | NR |
| K-SS-6 | Low level analysis reported for all analytes. Sample analyzed twice due to poor internal standard area recoveries, report original analysis. | NR |
| K-SS-8 | Low level analysis reported for all analytes. Sample analyzed twice due to poor internal standard area recoveries, report original analysis. | NR |
| KS-B-4(3-4) | NR | Laboratory performed 2-fold analysis. Final extract volume 0.5 ml. Report 2-fold dilution analysis for all analytes. |
| KS-B-7(3-5) | NR | Laboratory performed 2-fold analysis. Final extract volume 0.5 ml. Report 2-fold dilution analysis for all analytes. |
| KS-MW-3(4-5) | Laboratory performed and reported 5-fold dilution for all analytes. | Laboratory performed 50-fold analysis. Final extract volume 0.5 ml. Report 50-fold dilution analysis for all analytes. |

# Data Usability Summary Report

**Site:** Kingsbridge Station, Bronx, New York
**Laboratory:** Severn Trent Laboratories, Shelton, CT
**Report No.:** 205651
**Reviewer:** Lorie MacKinnon/GEI Consultants
**Date:** March 14, 2004

## Samples Reviewed and Evaluation Summary

| FIELD ID | LAB ID | FRACTIONS VALIDATED |
|---|---|---|
| KS-SS-1 | 205651-01 | PCBs, Metals, Cyanide |
| KS-SS-2 | 205651-02 | PCBs, Metals, Cyanide |
| KS-SS-3 | 205651-03 | PCBs, Metals, Cyanide |
| KS-SS-4 | 205651-04 | PCBs, Metals, Cyanide |
| KS-SS-5 | 205651-05 | PCBs, Metals, Cyanide |
| KS-SS-6 | 205651-06 | PCBs, Metals, Cyanide |
| KS-SS-7 | 205651-07 | PCBs, Metals, Cyanide |
| KS-SS-8 | 205651-08 | PCBs, Metals, Cyanide |
| KS-SS-9 | 205651-09 | PCBs, Metals, Cyanide |
| KS-SS-DUP-1 | 205651-10 | PCBs, Metals, Cyanide |
| KS-FB-010804 | 205651-11 | PCBs, Metals, Cyanide |
| KS-MW-4(0.5-1) | 205651-13 | PCBs, Metals, Cyanide |
| KS-B-4(3-4) | 205651-14 | PCBs, Metals, Cyanide |
| KS-B-7(3-5) | 205651-15 | PCBs, Metals, Cyanide |
| KS-B-8(3-5) | 205651-16 | PCBs, Metals, Cyanide |
| KS-B-6(2-5) | 205651-17 | PCBs, Metals, Cyanide |
| KS-MW-5(2-5) | 205651-18 | PCBs, Metals, Cyanide |
| KS-MW-3(4-5) | 205651-19 | PCBs, Metals, Cyanide |

| | | |
|---|---|---|
| Associated QC Samples: | Field/Trip Blanks: | KS-FB-010804 |
| | Field Duplicate pair: | KS-SS-3/KS-SS-DUP1 |

The above listed samples were collected on January 8 , 12, and 13, 2004 and were analyzed for polychlorinated biphenyls (PCBs) by SW-846 method 8082, metals by SW-846 methods 6010B/7471, and cyanide by SW-846 method 9012. The data validation was based on the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8080A/8000A, SOP No. HW-23, Revision 0, April 1995 and the USEPA Region II Standard Operating Procedure (SOP) for the Evaluation of Metals Data for the Contract Laboratory Program, SOP No. HW-2, Revision 11, January 1992.

The organic data were evaluated based on the following parameters:

* · Data Completeness
* · Holding Times and Sample Preservation

| | | |
|---|---|---|
| | · | Initial and Continuing Calibrations |
| * | · | Blanks |
| | · | Surrogate Recoveries |
| * | · | Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results |
| * | · | Laboratory Control Sample (LCS) Results |
| * | · | Field Duplicate Results |
| * | · | Moisture Content |
| | · | Quantitation Limits and Data Assessment |
| | · | Sample Quantitation and Compound Identification |

* - All criteria were met.

All results were found to be usable.

The organic validation recommendations were based on the following information.

## Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the PCB analyses.

## Holding Times and Sample Preservation

All criteria were met in the PCB analyses.

## Initial and Continuing Calibrations

The following table lists the Aroclor peak initial and/or continuing calibration results which were outside of control limits. No validation actions were required as the Aroclor %RSD or %D averages were within control limits.

| Compound | Calibration date | Instrument ID/Column | %RSD or %D |
|---|---|---|---|
| Aroclor 1016-4<br>Average Ar 1016 | CCAL 1/13/04<br>00:54 | HP5890-04/CLP-pest | 15.5%<br>9.7% |
| Aroclor 1260-5<br>Average Ar 1260 | CCAL 1/13/04<br>00:54 | HP5890-04/CLP-pest | 20.7%<br>14.6% |
| Aroclor 1016-5<br>Average Ar 1016 | CCAL 1/17/04<br>10:22 | HP5890-05/RTX-1701 | 15.4%<br>13.3% |
| Aroclor 1016-1<br>Average Ar 1016 | CCAL 1/22/04<br>22:36 | HP5890-01/RTX-35 | 19.2%<br>10.5% |
| Aroclor 1016-1 | CCAL 1/23/04 | HP5890-01/RTX-35 | 23.4% |

| Compound | Calibration date | Instrument ID/Column | %RSD or %D |
|---|---|---|---|
| Average Ar 1016 | 07:47 | | 13.2% |
| Aroclor 1016-1<br>Average Ar 1016 | CCAL 1/23/04<br>13:54 | HP5890-01/RTX-35 | 19.8%<br>8.7% |

## Blanks

Contamination was not detected in the PCB method and instrument blanks. Contamination was not detected in the field blank sample.

## Surrogate Recoveries

The following table lists the surrogate recoveries which were outside of control limits and the resulting validation actions.

| Sample | Surrogate/ Column | Recovery (%) | Control Limits | Actions |
|---|---|---|---|---|
| KS-MW-4(0.5-1) | DCB/2 | 208 | 25-159 | No validation action required; within limits on alternate column. |
| KS-B-4(3-4) | DCB/2 | 187 | 25-159 | No validation action required; within limits on alternate column. |
| KS-B-8(3-5)MSD | DCB/2 | 194 | 25-159 | No validation action required; within limits on alternate column. |
| KS-B-6(2-5) | DCB/2 | 195 | 25-159 | No validation action required; within limits on alternate column. |
| **DCB = Decachlorobiphenyl**<br>**TCMX = Tetrachloro-m-xylene** | | | | |

Surrogate recoveries were not calculable in samples KS-SS-2, KS-SS-3, KS-SS-5, KS-SS-9, and KS-SS-DUP1 due to the dilutions performed. Qualifications of the data on this basis was not required.

## MS/MSD Results

An MS/MSD was performed on sample KS-B-8(3-5) for the PCB analyses. All criteria were met.

## LCS Results

All criteria were met for the PCB analyses.

## Field Duplicate Results

The field duplicate pair of KS-SS-3 and KS-SS-DUP-1 was identified. All criteria were met.

## Moisture Content

All criteria were met.

## Quantitation Limits and Data Assessment

Sample calculations were spot-checked; there were no errors noted.

Results were reported which were below the lowest calibration standard level (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified by the laboratory (J). These results were qualified as estimated (J5) due to uncertainty at the low end of calibration. The following table lists the sample dilutions and/or reanalyses which were performed and reported. Quantitation limits were elevated accordingly.

| Sample | PCB Analysis Reported |
|---|---|
| KS-SS-2 | Laboratory performed 20-fold dilution analysis. |
| KS-SS-3 | Laboratory performed 20-fold dilution analysis. |
| KS-SS-5 | Laboratory performed 20-fold dilution analysis. |
| KS-SS-9 | Laboratory performed 20-fold dilution analysis. |
| KS-SS-DUP-1 | Laboratory performed 20-fold dilution analysis. |

## Sample Quantitation and Compound Identification

The following table lists the analytes which exhibited %Ds between the results from the two analytical columns which exceeded the acceptance criteria.

| Sample | Analyte | %D | Action |
|---|---|---|---|
| KS-SS-1 | Aroclor 1248 | 31 | Estimate (J25) the positive result. |
| KS-SS-1 | Aroclor 1260 | 38 | Estimate (J25) the positive result. |
| KS-SS-2 | Aroclor 1260 | 99 | Result for Aroclor 1260 was <CRQL. Report the result for Aroclor 1260 as nondetect (U25). |
| KS-SS-4 | Aroclor 1260 | 57 | Result for Aroclor 1260 was <CRQL. Report the result |

| Sample | Analyte | %D | Action |
|---|---|---|---|
| | | | for Aroclor 1260 as nondetect (U25). |
| KS-SS-7 | Aroclor 1248 | 31 | Estimate (J25) the positive result. |
| KS-SS-7 | Aroclor 1260 | 58 | Result for Aroclor 1260 was <CRQL. Report the result for Aroclor 1260 as nondetect (U25). |
| KS-SS-8 | Aroclor 1260 | 87 | Result for Aroclor 1260 was <CRQL. Report the result for Aroclor 1260 as nondetect (U25). |
| KS-MW-4(0.5-1) | Aroclor 1260 | 183 | Result for Aroclor 1260 was <CRQL. Report the result for Aroclor 1260 as nondetect (U25). |
| KS-B-4(3-4) | Aroclor 1254 | 111 | Interference was present; qualify (NJ25) the result for Aroclor 1254 as presumptively present. |
| KS-B-8(3-5) | Aroclor 1260 | 73 | Result for Aroclor 1260 was <CRQL. Report the result for Aroclor 1260 as nondetect (U25). |
| KS-B-6(2-5) | Aroclor 1260 | 548 | Result for Aroclor 1260 was <CRQL. Report the result for Aroclor 1260 as nondetect (U25). |

Based on Region II validation guidelines, the evaluation of dual column differences is performed as follows:

| | |
|---|---|
| % Difference 25 - 70% | Estimate (J25) positive result. |
| % Difference 70 - 100% | Estimate (NJ25) the positive result as presumptively present. |
| % Difference >100% | Reject (R25) the positive result if no interference is present. |
| % Difference 100-200% (Interference) | Estimate (NJ25) the positive result as presumptively present. |
| % Difference >50% (value <CRQL) | Raise the value to the CRQL and qualify as nondetect (U25). |

Sample calculations were spot-checked; no discrepancies were noted.

The inorganic data were evaluated based on the following parameters:

* Data Completeness
* Holding Times and Sample Preservation
  Instrument Calibration
  Contract Required Detection Limit (CRDL) Standard Analysis
  Blank Analysis Results
  Inductively Coupled Plasma (ICP) Interference Check Sample Results
  Matrix Spike (MS) Results
* Laboratory Duplicate Results
* Field Duplicate Results
* Laboratory Control Sample (LCS) Results
  ICP Serial Dilution Results
* Moisture Content
* Sample Quantitation and Data Assessment

* All criteria were met for this parameter.

All results were found to be usable with the exception of the positive result for zinc in sample KS-SS-3 which was rejected due to extremely high CRDL standard recovery.

The validation recommendations were based on the following information.

**Data Completeness**

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the metals and cyanide analyses.

**Holding Times and Sample Preservation**

All criteria were met in the metals and cyanide analyses.

**Instrument Calibration**

The following table lists the recoveries which were outside the control limits in the metals calibration standards.

| Analyte | Recovery | Analysis Date/ Calibration Standard | Associated Samples | Actions |
|---|---|---|---|---|
| Potassium | 89% | 1/15/04 CCV6 | KS-FB-010804 | Validation actions were not required; project samples were not bracketed by |

| Analyte | Recovery | Analysis Date/ Calibration Standard | Associated Samples | Actions |
|---|---|---|---|---|
| | | | | this calibration standard. |

## CRDL Standard Analysis

A low level standard was analyzed for the ICP analyses. The following table lists the analytes which exhibited recoveries outside of the validation control limits of 80 - 120%. Based on Region II validation guidelines, the affected analyte level range is determined by the true value of the standard ± 2x the standard level.

| Analyte | Recovery | Associated Samples | Validation Actions |
|---|---|---|---|
| Potassium | 72%, 77% | KS-FB-010804 | Estimate (UJ14) the nondetect result for potassium in sample KS-FB-010804; result may be biased low. |
| Aluminum | 149% | KS-FB-010804 | Validation action was not required; result for aluminum was nondetect in the affected sample and therefore not affected by the potential high bias. |
| Aluminum | 123%, 130% | All soils | Validation actions were not required; sample results were greater than the affected range. |
| Potassium | 78%, 78% | All soils | Estimate (J14) the positive results for potassium in all soil samples; results may be biased low. |
| Zinc | 243% | All soils | Reject (R14) the positive result for zinc in sample KS-SS-3. Remaining results for zinc were greater than the affected range. |

## Blank Analysis Results

All total metals instrument and method blank results were found to be less than the CRDL.

Sample results were reported down to the method detection limit. As low level contamination was detected in method and instrument blanks, technical judgement was used to evaluate the possible laboratory contamination as follows:

For positive contamination,
If the positive sample value was > the IDL and < the Action Level, qualify the result as a nondetect (U6) at the reported concentration.
If the positive sample value was > the IDL and > the Action Level, report the value unqualified.

For negative contamination,
If the positive sample value was > the instrument detection limit (IDL) and < the Action Level, qualify the result as estimated (J22) at the reported concentration. The result may be biased low.
If the result was nondetect, qualify the result as estimated (UJ22) at the detection limit. The result may be biased low.

If the positive sample value was > the Action Level, report the value unqualified.

The following table summarizes the blank contaminants detected in the laboratory blanks and associated action levels.

| Analyte | Maximum Concentration | Action Level (mg/kg) | Validation Actions |
|---|---|---|---|
| Aluminum | (75.8 ug/L), 3.79 mg/kg | 18.9 mg/kg | No actions required. |
| Manganese | (12.9 ug/L), 0.64 mg/kg | 3.2 mg/kg | No actions required. |

The following table summarizes the blank contaminants detected in the field blank, KS-FB010804, associated with all soil samples, and the associated action levels. Nickel was detected below the soil CRDL, therefore sample results less than the action level were qualified as nondetects (U6), rather than rejected.

| Analyte | Maximum Concentration | Blank Action Level (mg/kg) | Validation Actions |
|---|---|---|---|
| Nickel | (12.1 ug/L) 3.0 mg/kg | 15 | Qualify the results as nondetect (U6) for nickel in samples KS-SS-3, KS-SS-8, KS-SS-9, KS-SS-DUP1, and KS-B-4(3-4). |

## ICP ICS Results

The following table lists the analytes recovered outside of control limits in the ICSAB analysis.

| Analyte | Recovery (%) | Associated Samples | Validation Actions |
|---|---|---|---|
| Selenium<br>Thallium | 72<br>68 | KS-FB010804 | No actions required; sample interferent levels were less than 50% those of the ICSAB. |
| Lead<br>Selenium | 79<br>73 | All soil samples | Estimate (J/UJ16) the positive result for lead and nondetect result for selenium in sample KS-B-7(3-5); results may be biased low. Validation action was not required for the remaining samples as interferent levels were less than 50% those of the ICSAB. |

Positive results were observed for cadmium and antimony in the ICSA solution analyses associated with all soil samples. Positive results were observed for cadmium and negative results were observed for thallium in the ICSA solution analysis associated with sample KS-FB010804. The levels of interferents in samples were reviewed. Iron was present in sample KS-B-7(3-5) (52%) at greater than 50% that of the level in the ICSA solution. Professional judgement was used to accept results in which the estimated interference was less than 10% of the analyte level or in which the negative interference was less than one half the sample quantitation limit (QL). Interferences were

calculated at the instrument (aqueous) level.

| Sample | Analyte | Sample Result (ug/L) | Estimated Interference (ug/L) | Actions |
|---|---|---|---|---|
| KS-B-7(3-5) | Cadmium | 5 U | 0.30 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Antimony | 6U | 1.3 | No validation action required; result was nondetect and therefore not affected by potential high bias. |

## MS Results

A matrix spike analysis was performed on sample KS-SS-1 for the metals analyses, on samples KS-SS-1 and KS-MW-4(0.5-1) for the mercury analyses, and on samples KS-SS-6 and KS-B-7(3-5) for the cyanide analyses. The following table lists the analyte recoveries found outside of the control limits of 75-125% .

| Analyte | MS Sample | Recovery (%) | Validation Actions |
|---|---|---|---|
| Antimony | KS-SS-1 | 39 | Estimate (UJ8) the nondetect results for antimony in all samples; possible low bias. |
| Calcium | KS-SS-1 | 72 | Estimate (J8) the positive results for calcium in all samples; possible low bias. |
| Manganese | KS-SS-1 | 45 | Estimate (J8) the positive results for manganese in all samples; possible low bias. |
| Nickel | KS-SS-1 | 153 | Estimate (J/UJ8) the positive and blank-qualified nondetect results for nickel in all samples; possible high bias. |
| Potassium | KS-SS-1 | 63 | Estimate (J8) the positive results for potassium in all soil samples; possible low bias. |
| Zinc | KS-SS-1 | 68 | Estimate (J8) the positive results for zinc in all soil samples, with the exception of KS-SS-3 which was previously rejected. Results may be biased low. |
| Cyanide | KS-SS-6<br>KS-B-7(3-5) | 72<br>65 | Estimate (UJ8) the nondetect results for cyanide in all samples; possible low bias. |

The laboratory performed and reported additional matrix spike analyses on various non-project samples. Qualification of the data was not performed based on these results due to differences in sample type, matrix, etc.

## Laboratory Duplicate Results

A laboratory duplicate analysis was performed on sample KS-SS-1 for the metals analyses, on samples KS-SS-1 and KS-MW-4(0.5-1) for the mercury analyses, and on samples KS-SS-6 and KS-B-7(3-5) for the cyanide analyses. All criteria were met.

## Field Duplicate Results

The soil field duplicate pair of KS-SS-3 and KS-SS-DUP1 was submitted with this sample group. Analyte %RPDs were within the inorganic control limit of 100% or +/-2x quantitation limit (QL) for soil levels <5xQL.

## Laboratory Control Sample (LCS) Results

All criteria were met in the metals and cyanide analyses.

## ICP Serial Dilution Results

The laboratory performed an ICP serial dilution analysis on sample KS-SS-1. The following table lists the analyte percent differences (%Ds) found outside of the control limit of 10%.

| Analyte | %D | Validation Actions |
|---|---|---|
| Copper | 13.2% | Estimate (J19) the positive results for copper in all soils. |

## Moisture Content

All criteria were met.

## Sample Quantitation and Data Assessment

Sample calculations were spot-checked; no discrepancies were noted.

**Site:** Kingsbridge Station
**Laboratory:** Severn Trent Labs, Inc., Shelton, CT
**Job No.:** 205694
**Reviewer:** Lisa McDonagh/GEI Consultants
**Date:** March 16, 2004

**Samples Reviewed and Evaluation Summary**

| FIELD ID | LAB ID | FRACTIONS VALIDATED |
|---|---|---|
| KS-B-7(48-49) | 205694-01 | VOC, SVOC |
| KS-B-8(30-32) | 205694-02 | VOC, SVOC |
| KS-B-7(16.5-18) | 205694-03 | VOC, SVOC |
| KS-B-8(12-14) | 205694-04 | VOC, SVOC |
| KS-B-3(2-4) | 205694-05 | VOC, SVOC |
| KS-B-5(3-5) | 205694-06 | VOC, SVOC |
| KS-B-DUP-1 | 205694-07 | VOC, SVOC |
| KS-FB-011904 | 205694-08 | VOC, SVOC |
| KS-B-5(8-10) | 205694-09 | VOC, SVOC |
| KS-B-5(14-16) | 205694-10 | VOC, SVOC |
| KS-MW-5(16.5-18) | 205694-11 | VOC, SVOC |
| KS-MW-5(34-36) | 205694-12 | VOC, SVOC |
| KS-B-6A(10-12) | 205694-13 | VOC, SVOC |
| KS-B-6A(24-26) | 205694-14 | VOC, SVOC |
| KS-B-5A(12-14) | 205694-15 | VOC, SVOC |
| KS-MW-4(10-12) | 205694-16 | VOC, SVOC |
| KS-MW-4(32-33) | 205694-17 | VOC, SVOC |
| KS-MW-2(16-18) | 205694-18 | VOC, SVOC |
| KS-MW-2(12-14) | 205694-19 | VOC, SVOC |

| | | |
|---|---|---|
| Associated QC Samples: | Field/Trip Blanks: | KS-FB-011904 |
| | Field Duplicate pair: | KS-B-3(2-4)/KS-B-DUP-1 |

The above listed soil and aqueous samples were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B, semivolatile organic compounds (SVOCs) by SW-846 method 8270C. The data validation was based on the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8260B, SOP No. HW-24, Revision 1, June 1999, USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8270C, SOP No. HW-22, Revision 2, June 2001.

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The organic data were evaluated based on the following parameters:

| | | |
|---|---|---|
| * | · | Data Completeness |
| * | · | Holding Times and Sample Preservation |
| * | · | Gas Chromatography/Mass Spectrometry (GC/MS) Tunes |
| | · | Initial and Continuing Calibrations |
| | · | Blanks |
| | · | Surrogate Recoveries |
| NA | · | Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results |
| | · | Laboratory Control Sample (LCS) Results |
| * | · | Internal Standards |
| | · | Field Duplicate Results |
| | · | Quantitation Limits and Data Assessment |

| | | |
|---|---|---|
| * | - | All criteria were met. |
| NA | - | Not applicable |

All results were found to be usable with the exception of benzoic acid in samples KS-B-7(48-49), KS-B-8(30-32), KS-B-7(16.5-18), KS-B-8(12-14), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1, KS-B-5(8-10), KS-B-5(14-16) , KS-MW-5(16.5-18), KS-MW-2(12-14) and KS-B-5A(12-14) and 2,4-dinitrophenol in sample KS-B-5A(12-14)due to poor laboratory control spike recoveries and bromomethane in samples KS-MW-5(34-36), KS-B-6A(10-12) , KS-B-6A(24-26) , KS-B-5A(12-14) , KS-MW-4(10-12) , KS-MW-4(32-33) and KS-MW-2(12-14) due to poor response factors in the initial and continuing calibrations..

The organic validation recommendations were based on the following information.

## Data Completeness

The data package was found to be complete.

## Holding Times and Sample Preservation

All criteria were met in the VOC and SVOC analyses.

## GC/MS Tunes

All criteria were met in the VOC and SVOC analyses.

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## Initial and Continuing Calibrations

Compounds that did not meet criteria in the VOC and SVOC initial and continuing calibrations are summarized in the following tables.

| **Instrument ID**<br>**MSN**<br>**Compound** | **IC**<br>**11/24/03** | **CC**<br>**1/21/04** | **CC**<br>**1/26/04** |
|---|---|---|---|
| chloromethane | | XX (23.3%) | |
| bromomethane | X (20.9%) | XX (69.4%) | XX (81.3%), + (0.038) |
| chloroethane | X (31.6%) | | |
| carbon disulfide | | | XX (20.8%) |
| acetone | X (17.9%) | | |
| 1,1,1-trichloroethane | | XX (24.9%) | |
| trichloroethene | | XX (20.8%) | XX (21.5%) |
| 4-methyl-2-pentanone | | XX (22.2%) | |
| bromoform | X (15.3%) | | |
| Samples Affected | All listed | KS-B-7(48-49),<br>KS-B-8(30-32),<br>KS-B-7(16.5-18),<br>KS-B-8(12-14),<br>KS-B-3(2-4),<br>KS-B-5(3-5),<br>KS-B-DUP-1,<br>KS-B-5(8-10),<br>KS-B-5(14-16),<br>KS-MW-5(16.5-18) | KS-MW-5(34-36),<br>KS-B-6A(10-12),<br>KS-B-6A(24-26),<br>KS-B-5A(12-14),<br>KS-MW-4(10-12),<br>KS-MW-4(32-33),<br>KS-MW-2(12-14) |

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| **Instrument ID**<br>**MSN**<br>**Compound** | **IC**<br>**11/24/03** | **CC**<br>**1/29/04** |
|---|---|---|
| bromomethane | X (20.9%) | XX (73.9%) |
| chloroethane | X (31.6%) | |
| acetone | X (17.9%) | |
| 1,1,1-trichloroethane | | XX (36.3%) |
| carbon tetrachloride | | XX (32.9%) |
| 1,2-dichloroethane | | XX (24.1%) |
| trichloroethene | | XX (26.0%) |
| 4-methyl-2-pentanone | | XX (29.0%) |
| 2-hexanone | | XX (26.9%) |
| 1,1,2,2-tetrachloroethane | | XX (27.0%) |
| bromoform | X (15.3%) | |
| Samples Affected | All listed | KS-MW-2(16-18) |

| **Instrument ID**<br>**MSO**<br>**Compound** | **IC**<br>**1/26/04** | **CC**<br>**1/28/04** |
|---|---|---|
| bromomethane | X (18.4%) | |
| Samples Affected | All listed | KS-FB-011904 |

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| **Instrument ID**<br>**MSP**<br>**Compound** | **IC**<br>**1/28/04** |
|---|---|
| benzoic acid | X (33.1%) |
| hexachlorocyclopentadiene | X (16.2%) |
| 2,4-dinitrophenol | X (27.7%) |
| pentachlorophenol | X (16.1%) |
| Samples Affected | KS-B-7(16.5-18),<br>KS-B-8(12-14),<br>KS-B-5(3-5),<br>KS-B-DUP-1 |

| **Instrument ID**<br>**MSP**<br>**Compound** | **IC**<br>**1/29/04** | **CC**<br>**1/30/04** |
|---|---|---|
| 2,2-oxybis(1-chloropropane) | X (21.4%) | |
| benzoic acid | X (19.0%) | |
| hexachlorocyclopentadiene | X (21.5%) | |
| benzo(k)fluoranthene | | XX (20.5%) |
| Samples Affected | All listed and<br>KS-B-6A(10-12) | KS-B-3(2-4),<br>KS-B-5(8-10),<br>KS-B-5(14-16),<br>KS-MW-5(16.5-18),<br>KS-MW-2(16-18),<br>KS-MW-2(12-14) |

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| Instrument ID<br>MSQ<br>Compound | IC<br>1/28/04 | CC<br>1/29/04 |
|---|---|---|
| bis(2-chloroethyl)ether | | XX (30.1%) |
| benzyl alcohol | | XX (20.2%) |
| 2,2'-oxybis(1-chloropropane) | | XX (41.4%) |
| N-nitroso-di-n-propylamine | | XX (23.1%) |
| 4-methylphenol | | XX (21.1%) |
| hexachloroethane | | XX (20.6%) |
| benzoic acid | X (16.7%) | XX (35.8%) |
| 2,4-dinitrophenol | X (35.3%) | XX (47.8%) |
| 2,4-dinitrotoluene | X (15.2%) | |
| 4,6-dinitro-2-methylphenol | X (29.2%) | XX (25.2%) |
| Samples Affected | All listed | KS-FB-011904, KS-MW-5(34-36), KS-B-6A(24-26), KS-MW-4(10-12), KS-MW-4(32-33) |

| Instrument ID<br>MSR<br>Compound | IC<br>1/22/04 | CC<br>1/26/04 |
|---|---|---|
| hexachlorocyclopentadiene | X (27.5%) | XX (40.2%) |
| pentachlorophenol | X (16.1%) | |
| benzo(b)fluoranthene | | XX (21.8%) |
| Samples Affected | All listed | KS-B-7(48-49), KS-B-8(30-32) |

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X = Initial calibration (IC) relative standard deviation (%RSD) > 15; estimate (J3) positive and (UJ3) nondetect results.

XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ4) positive and nondetect results.

+ = Response factor (RRF) < 0.05; Estimate (J2) positive results and reject (R2) nondetect results.

The following results were qualified as estimated (J/UJ3) due to initial calibration nonconformances: bromomethane, chloroethane, acetone and bromoform in samples KS-B-7(48-49), S-B-8(30-32), KS-B-7(16.5-18), KS-B-8(12-14), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1 , KS-B-5(8-10), KS-B-5(14-16) , KS-MW-5(16.5-18), KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-B-5A(12-14) , KS-MW-4(10-12), KS-MW-4(32-33) and KS-MW-2(12-14) bromomethane, chloroethane acetone and bromoform in sample KS-MW-2(16-18), bromomethane in sample KS-FB-011904, benzoic acid, hexachlorocyclopentadiene, 2,4-dinitrophenol and pentachlorophenol in samples KS-B-7(16.5-18), KS-B-8(12-14), KS-B-5(3-5), KS-B-DUP-1, 2,2-oxybis(1-chloropropane), benzoic acid and hexachlorocyclopentadiene in samples KS-B-6A(10-12), KS-B-3(2-4), KS-B-5(8-10), KS-B-5(14-16), KS-MW-5(16.5-18), KS-MW-2(16-18) and KS-MW-2(12-14), benzoic acid, 2,4-dinitrophenol, 2,4-dinitrotoluene and 4,6-dinitro-2-methylphenol in samples KS-FB-011904, KS-MW-5(34-36), KS-B-6A(24-26), KS-MW-4(10-12), KS-MW-4(32-33) and hexachlorocyclopentadiene and pentachlorophenol in samples KS-B-7(48-49) and KS-B-8(30-32), due to initial calibration nonconformances. The following results were qualified as estimated (J/UJ4) due to continuing calibration nonconformances: chloromethane, bromomethane, 1,1,1-trichloroethane, trichloroethene and 4-methyl-2-pentanone in samples KS-B-7(48-49), KS-B-8(30-32), KS-B-7(16.5-18), KS-B-8(12-14), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1 , KS-B-5(8-10), KS-B-5(14-16) , KS-MW-5(16.5-18), bromomethane, carbon disulfide and trichloroethene in samples KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-B-5A(12-14) , KS-MW-4(10-12), KS-MW-4(32-33) and KS-MW-2(12-14), bromomethane, 1,1,1-trichloroethane, carbon tetrachloride, 1,2-dichloroethane, trichloroethene, 4-methyl-2-pentanone, 2-hexanone, 1,1,2,2-tetrachloroethane in sample KS-MW-2(16-18), benzo(k)fluoranthene in samples KS-B-3(2-4), KS-B-5(8-10), KS-B-5(14-16), KS-MW-5(16.5-18), KS-MW-2(16-18) and KS-MW-2(12-14), bis(2-chloroethyl)ether, benzyl alcohol, 2,2-oxbis(1-chloropropane), N-nitroso-di-n-propylamine, 4-methylphenol, hexachloroethane, benzoic acid, 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol in samples KS-FB-011904, KS-MW-5(34-36), KS-B-6A(24-26), KS-MW-4(10-12), KS-MW-4(32-33) and hexachlorocyclopentadiene and benzo(b)fluoranthene in samples KS-B-7(48-49) and KS-B-8(30-32)

due to continuing calibration nonconformances. The following positive results were qualified as estimated and the nondetect results were qualified as rejected (J2/R2) due to initial and/or continuing calibration nonconformances: bromomethane in samples KS-MW-5(34-36), KS-B-6A(10-12) , KS-B-6A(24-26) , KS-B-5A(12-14) , KS-MW-4(10-12) , KS-MW-4(32-33) and KS-MW-2(12-14) .

## Blanks

The following table summarizes the method blank contamination in the VOC and SVOC analyses.

| Compound | Type of Blank | Associated Samples | Maximum Concentration | Blank Action Level |
|---|---|---|---|---|
| methylene chloride | Soil Method Blank | KS-B-7(48-49), KS-B-8(30-32) , KS-B-7(16.5-18), KS-B-8(12-14), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1, KS-B-5(8-10), KS-B-5(14-16), KS-MW-5(16.5-18) | 1.28 ug/Kg | 12.8 ug/Kg |
| carbon disulfide | Soil Method Blank | KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-B-5A(12-14), KS-MW-4(10-12), KS-MW-4(32-33), KS-MW-2(12-14) | 2.26 ug/Kg | 11.3 ug/Kg |
| di-n-butylphthalate | Aqueous Method Blank | KS-FB-011904 | 0.67 ug/L | 6.7 ug/L |
| di-n-butylphthalate | Soil Method Blank | KS-B-7(48-49), KS-B-8(30-32) | 48.0 ug/Kg | 480 ug/Kg |
| di-n-butylphthalate | Soil Method Blank | KS-B-7(16.5-18), KS-B-8(12-14), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1, KS-B-5(8-10), KS-B-5(14-16), KS-MW-5(16.5-18) | 47.1 ug/Kg | 471 ug/Kg |
| di-n-butylphthalate | Soil Method Blank | KS-MW-5(34-36), KS-B-6A(24-26), KS-MW-4(10-12), | 63.8 ug/Kg | 638 ug/Kg |

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| Compound | Type of Blank | Associated Samples | Maximum Concentration | Blank Action Level |
|---|---|---|---|---|
| | | KS-MW-4(32-33) | | |
| bis(2-ethylhexyl)phthalate | Soil Method Blank | KS-MW-5(34-36), KS-B-6A(24-26), KS-MW-4(10-12), KS-MW-4(32-33) | 41.8 ug/Kg | 418 ug/Kg |
| diethylphthalate | Soil Method Blank | KS-B-6A(10-12), KS-MW-2(16-18) | 17.7 ug/Kg | 177 ug/Kg |
| di-n-butylphthalate | Soil Method Blank | KS-B-6A(10-12), KS-MW-2(16-18) | 60.0 ug/Kg | 600 ug/Kg |
| bis(2-ethylhexyl)phthalate | Soil Method Blank | KS-B-6A(10-12), KS-MW-2(16-18) | 39.9 ug/Kg | 399 ug/Kg |
| di-n-butylphthalate | Soil Method Blank | KS-MW-2(12-14) | 58.6 ug/Kg | 586 ug/Kg |

Blank Actions

If the sample concentration ≤ QL and ≤ blank action level, qualify the result as not detected (U6) at the QL.
If the sample concentration > QL and ≤ blank action level, qualify the result as not detected (U6) at the reported value.
If the sample concentration > blank action level, report the value unqualified.

Based on the action levels determined, the methylene chloride result in samples KS-B-7(48-49), KS-B-8(30-32), KS-B-7(16.5-18), KS-B-8(12-14), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1, KS-B-5(8-10), KS-B-5(14-16) and KS-MW-5(16.5-18), carbon disulfide in samples KS-B-6A(10-12), KS-B-5A(12-14), KS-MW-4(10-12), KS-MW-4(32-33) and KS-MW-2(12-14), di-n-butylphthalate in samples KS-B-7(48-49), KS-B-8(30-32), KS-B-7(16.5-18), KS-B-8(12-14), KS-B-5(3-5), KS-MW-5(16.5-18), KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-MW-4(10-12), KS-MW-4(32-33) and KS-MW-2(12-14) and bis(2-ethylhexyl)phthalate in samples KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-MW-4(10-12), KS-MW-4(32-33) were qualified as nondetect (U6) due to method blank contamination.

## Surrogate Recoveries

All criteria were met in the VOC analyses.

The semivolatile surrogates were outside of the control limits in the following samples KS-B-3(2-4) and KS-B-DUP-1 due to sample dilutions. Qualifications were not required.

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## MS/MSD Results

An MS/MSD was not submitted with these samples.

## LCS Results

The following table lists the VOC and SVOC compound recoveries found outside of the laboratory control limits of 60-140% and the resultant actions.

| Compound | Recovery (%) | Associated samples | Actions |
|---|---|---|---|
| bromomethane | 27 | KS-B-7(48-49), KS-B-8(30-32), KS-B-7(16.5-18), KS-B-8(12-14), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1, KS-B-5(8-10), KS-B-5(14-16), KS-MW-5(16.5-18) | Estimate (UJJ9) the nondetect results for bromomethane in the associated samples; results may be biased low. |
| bromomethane | 17 | KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-B-5A(12-14), KS-MW-4(10-12), KS-MW-4(32-33), KS-MW-2(12-14) | Estimate (UJ9) the nondetect results for bromomethane in the associated samples; results may be biased low. |
| acetone | 154 | KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-B-5A(12-14), KS-MW-4(10-12), KS-MW-4(32-33), KS-MW-2(12-14) | Estimate (J9) the positive results for acetone in the associated samples, results may be biased high. |
| bromomethane | 37 | KS-MW-2(16-18) | Estimate (UJ9) the nondetect results for bromomethane in the associated sample, results may be biased low. |
| acetone | 148 | KS-MW-2(16-18) | Estimate (J9) the positive results for acetone in the associated sample, results may be biased high. |
| acetone | 152 | KS-FB-011904 | Validation not required, acetone was not detected in the associated sample. |
| benzoic acid | 0 | KS-B-7(48-49), KS-B-8(30-32), | Reject (R9) the nondetect results for benzoic acid in the associated |

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| Compound | Recovery (%) | Associated samples | Actions |
|---|---|---|---|
| | | KS-B-7(16.5-18),<br>KS-B-8(12-14),<br>KS-B-3(2-4),<br>KS-B-5(3-5),<br>KS-B-DUP-1,<br>KS-B-5(8-10),<br>KS-B-5(14-16),<br>KS-MW-5(16.5-18) | samples. |
| 2,4-dimethylphenol<br>4-chloroaniline<br>2,4,6-trichlorophenol<br>hexachlorocyclopentadiene<br>3-nitroaniline<br>pentachlorophenol<br>3,3-dichlorobenzidine | 59<br>38<br>53<br>56<br>50<br>55<br>45 | KS-B-7(48-49),<br>KS-B-8(30-32),<br>KS-B-7(16.5-18),<br>KS-B-8(12-14),<br>KS-B-3(2-4),<br>KS-B-5(3-5),<br>KS-B-DUP-1,<br>KS-B-5(8-10),<br>KS-B-5(14-16),<br>KS-MW-5(16.5-18) | Estimate (UJ9) the nondetect results for the affected compounds in the associated samples, results may be biased low. |
| benzoic acid<br>4-chloroaniline<br>2,4-dinitrophenol<br>3,3-dichlorobenzidine | 12<br>25<br>49<br>57 | KS-MW-5(34-36),<br>KS-B-6A(10-12),<br>KS-B-6A(24-26),<br>KS-MW-4(10-12),<br>KS-MW-4(32-33),<br>KS-MW-2(16-18), | Estimate (UJ9) the nondetect results for the affected compounds in the associated samples, results may be biased low. |
| phenol<br>1,3-dichlorobenzene<br>1,4-dichlorobenzene<br>benzoic acid<br>hexachlorobutadiene<br>4-nitrophenol | 36<br>56<br>56<br>25<br>56<br>38 | KS-FB-011904 | Estimate (UJ9) the nondetect results for the affected compounds in the associated sample, results may be biased low. |
| benzoic acid | 0 | KS-MW-2(12-14) | Reject (R9) the nondetect results for benzoic acid in the associated sample. |
| 4-chloroaniline<br>2,4-dinitrophenol | 45<br>21 | KS-MW-2(12-14) | Estimate (UJ9) the nondetect results for the affected compounds in the associated sample, results may be biased low. |
| benzoic acid<br>2,4-dinitrophenol | 0<br>9 | KS-B-5A(12-14) | Reject (R9) the nondetect results for the affected compounds in the associated sample. |
| bis(2-chloroethyl)ether<br>1,3-dichlorobenzene<br>1,4-dichlorobenzene<br>1,2-dichlorobenzene<br>hexachloroethane<br>nitrobenzene | 58<br>57<br>58<br>59<br>55<br>59 | KS-B-5A(12-14) | Estimate (UJ9) the nondetect results for the affected compounds in the associated sample, results may be biased low. |

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| Compound | Recovery (%) | Associated samples | Actions |
|---|---|---|---|
| bis(2-chloroethoxy)methane | 57 | | |
| 1,2,4-trichlorobenzene | 58 | | |
| isophorone | 59 | | |
| 2,4-dimethylphenol | 56 | | |
| hexachlorobutadiene | 58 | | |
| naphthalene | 58 | | |
| 2,4-dichlorophenol | 59 | | |
| 4-chloroaniline | 24 | | |
| 2,4,6-trichlorophenol | 50 | | |
| hexachlorocyclopentadiene | 44 | | |
| 2-methylnaphthalene | 58 | | |
| 2-nitrophenol | 49 | | |
| 3-nitroaniline | 46 | | |
| pentachlorophenol | 36 | | |
| 4,6-dinitro-2-methylphenol | 30 | | |
| 3,3-dichlorobenzidine | 42 | | |

## Internal Standards

All criteria were met in the VOC and SVOC analyses.

## Field Duplicate Results

The field duplicate pair of KS-B-3(2-4) and KS-B-DUP-1 was submitted with this sample group. The following table lists the %RPDs found outside of the control limit of 50% or +/-2x quantitation limit (QL) for levels <5xQL. The direction of the bias cannot be determined by these nonconformances.

| Analyte | KS-B-3 (2-4) (ug/kg) | KS-B-DUP-1 (ug/kg) | RPD (%) | Actions |
|---|---|---|---|---|
| phenanthrene | 29000 | 880 | 188 | Estimate (J10) the positive results for phenanthrene in samples KS-B-3 (2-4) and KS-B-DUP-1. |
| anthracene | 6700 | 260 | 185 | Estimate (J10) the positive results for anthracene in samples KS-B-3 (2-4) and KS-B-DUP-1. |
| fluoranthene | 22000 | 950 | 183 | Estimate (J10) the positive results for fluoranthene in samples KS-B-3 (2-4) and KS-B-DUP-1. |
| pyrene | 18000 | 770 | 184 | Estimate (J10) the positive results for pyrene in samples KS-B-3 (2-4) and KS-B-DUP-1. |
| benzo(a)anthracene | 8700 | 480 | 179 | Estimate (J10) the positive results for benzo(a)anthracene in samples KS-B-3 (2-4) and KS-B-DUP-1. |
| chrysene | 7900 | 480 | 177 | Estimate (J10) the positive results for chrysene in samples KS-B-3 (2-4) and KS-B-DUP-1. |
| benzo(a)pyrene | 6400 | 480 | 172 | Estimate (J10) the positive results for benzo(a)pyrene in samples KS-B-3 (2-4) and KS-B-DUP-1. |

## Quantitation Limits and Data Assessment

Sample calculations were spot-checked; there were no errors noted.
Results were reported which were below the lowest calibration standard level (RL) and above the method detection limit (MDL) in the VOC and SVOC analyses. These results were qualified by the laboratory (J). These results were qualified as estimated (J5) due to uncertainty at the low end of

calibration.

The laboratory was unable to determine the inflection point between benzo(b)fluoranthene and benzo(k)fluoranthene in sample KS-B-7(48-49), the compounds were reported as a total concentration of benzo(b)fluoranthene. Estimate the benzo(b)fluoranthene results as (J36) in the sample KS-B-7(48-49).

The following table lists the sample dilutions and/or reanalyses which were performed and reported. Quantitation limits were elevated accordingly.

| Sample | VOC Analysis Reported | SVOC Analysis Reported |
|---|---|---|
| KS-B-3(2-4) | NR | Laboratory performed 8-fold analysis. Final extract volume 1.0 ml. Report 8-fold dilution for all analytes. |
| KS-B-5(8-10) | NR | Laboratory performed 4-fold analysis. Final extract volume 2.0 ml. Report 4-fold dilution for all analytes. |
| KS-B-5A(12-14) | NR | Laboratory performed 2-fold analysis. Final extract volume 0.5 ml. Report 2-fold dilution analysis for all analytes. |
| KS-MW-2(16-18) | Low level analysis reported for all analytes. Laboratory performed and reported 5-fold dilution for all analytes. | Laboratory performed 10-fold analysis. Final extract volume 0.5 ml. Report 10-fold dilution analysis for all analytes. |

# Data Usability Summary Report

**Site:** Kingsbridge Station, Bronx, New York
**Laboratory:** Severn Trent Laboratories, Shelton, CT
**Report No.:** 205694
**Reviewer:** Lorie MacKinnon/GEI Consultants
**Date:** March 14, 2004

## Samples Reviewed and Evaluation Summary

| FIELD ID | LAB ID | FRACTIONS VALIDATED |
|---|---|---|
| KS-B-7(48-49) | 205694-01 | PCBs, Metals, Cyanide |
| KS-B-8(30-32) | 205694-02 | PCBs, Metals, Cyanide |
| KS-B-7(16.5-18) | 205694-03 | PCBs, Metals, Cyanide |
| KS-B-8(12-14) | 205694-04 | PCBs, Metals, Cyanide |
| KS-B-3(2-4) | 205694-05 | PCBs, Metals, Cyanide |
| KS-B-5(3-5) | 205694-06 | PCBs, Metals, Cyanide |
| KS-B-DUP-1 | 205694-07 | PCBs, Metals, Cyanide |
| KS-FB-011904 | 205694-08 | PCBs, Metals, Cyanide |
| KS-B-5(8-10) | 205694-09 | PCBs, Metals, Cyanide |
| KS-B-5(14-16) | 205694-10 | PCBs, Metals, Cyanide |
| KS-MW-5(16.5-18) | 205694-11 | PCBs, Metals, Cyanide |
| KS-MW-5(34-36) | 205694-12 | PCBs, Metals, Cyanide |
| KS-B-6A(10-12) | 205694-13 | PCBs, Metals, Cyanide |
| KS-B-6A(24-26) | 205694-14 | PCBs, Metals, Cyanide |
| KS-B-5A(12-14) | 205694-15 | PCBs, Metals, Cyanide |
| KS-MW-4(10-12) | 205694-16 | PCBs, Metals, Cyanide |
| KS-MW-4(32-33) | 205694-17 | PCBs, Metals, Cyanide |
| KS-MW-2(16-18) | 205694-18 | PCBs, Metals, Cyanide |
| KS-MW-2(12-14) | 205694-19 | PCBs, Metals, Cyanide |

| | | |
|---|---|---|
| Associated QC Samples: | Field/Trip Blanks: | KS-FB-011904 |
| | Field Duplicate pair: | KS-B-3(2-4)/KS-DUP-1 |

The above listed samples were collected on January 13, 14, 16, 19, 20, 21, 22, and 23, 2004 and were analyzed for polychlorinated biphenyls (PCBs) by SW-846 method 8082, metals by SW-846 methods 6010B/7471, and cyanide by SW-846 method 9012. The data validation was based on the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8080A/8000A, SOP No. HW-23, Revision 0, April 1995 and the USEPA Region II Standard Operating Procedure (SOP) for the Evaluation of Metals Data for the Contract Laboratory Program, SOP No. HW-2, Revision 11, January 1992.

The organic data were evaluated based on the following parameters:

* · Data Completeness

* · Holding Times and Sample Preservation
* · Initial and Continuing Calibrations
* · Blanks
· Surrogate Recoveries
* · Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
* · Laboratory Control Sample (LCS) Results
* · Field Duplicate Results
* · Moisture Content
· Quantitation Limits and Data Assessment
· Sample Quantitation and Compound Identification

* - All criteria were met.

All results were found to be usable.

The organic validation recommendations were based on the following information.

## Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the PCB analyses.

## Holding Times and Sample Preservation

All criteria were met in the PCB analyses.

## Initial and Continuing Calibrations

All criteria were met in the PCB analyses.

## Blanks

Contamination was not detected in the PCB method and instrument blanks. Contamination was not detected in the field blank sample.

## Surrogate Recoveries

The following table lists the surrogate recoveries which were outside of control limits and the resulting validation actions.

| Sample | Surrogate/ Column | Recovery (%) | Control Limits | Actions |
|---|---|---|---|---|
| KS-MW-2(16-18) | TCMX/2 | 160 | 25-159 | No validation action required; within limits on alternate column. |

| Sample | Surrogate/ Column | Recovery (%) | Control Limits | Actions |
|---|---|---|---|---|
| **DCB = Decachlorobiphenyl**<br>**TCMX = Tetrachloro-m-xylene** | | | | |

## MS/MSD Results

An MS/MSD was not associated with this sample group. Validation action was not taken on this basis.

## LCS Results

All criteria were met for the PCB analyses.

## Field Duplicate Results

The field duplicate pair of KS-B-3(2-4)and KS-DUP-1 was identified. All criteria were met.

## Moisture Content

All criteria were met.

## Quantitation Limits and Data Assessment

Sample calculations were spot-checked; there were no errors noted.

Results were reported which were below the lowest calibration standard level (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified by the laboratory (J). These results were qualified as estimated (J5) due to uncertainty at the low end of calibration. Dilutions and reanalyses were not required.

## Sample Quantitation and Compound Identification

The following table lists the analytes which exhibited %Ds between the results from the two analytical columns which exceeded the acceptance criteria.

| Sample | Analyte | %D | Action |
|---|---|---|---|
| KS-B-3(2-4) | Aroclor 1248 | 115 | Result for Aroclor 1248 was <CRQL. Report the result for Aroclor 1254 as nondetect (U25). |
| KS-B-5(3-5) | Aroclor 1254 | 78 | Qualify (NJ25) the positive result for Aroclor 1254 in sample KS-B-5(3-5) as presumptively present. |
| | | | |

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| Sample | Analyte | %D | Action |
|---|---|---|---|
| KS-B-DUP-1 | Aroclor 1248 | 42 | Estimate (J25) the positive result. |
| KS-B-5(8-10) | Aroclor 1248<br>Aroclor 1254<br><br>Aroclor 1260 | 30<br>384<br><br>47 | Estimate (J25) the positive result.<br>Result for Aroclor 1254 was <CRQL. Report the result for Aroclor 1254 as nondetect (U25).<br>Estimate (J25) the positive result. |
| KS-B-5(14-16) | Aroclor 1254 | 118 | Result for Aroclor 1254 was <CRQL. Report the result for Aroclor 1254 as nondetect (U25). |
| KS-B-5A(12-14) | Aroclor 1254 | 486 | Result for Aroclor 1254 was <CRQL. Report the result for Aroclor 1254 as nondetect (U25). |
| KS-MW-2(16-18) | Aroclor 1254<br><br>Aroclor 1260 | 876<br><br>43 | Result for Aroclor 1254 was <CRQL. Report the result for Aroclor 1254 as nondetect (U25).<br>Estimate (J25) the positive result. |

Based on Region II validation guidelines, the evaluation of dual column differences is performed as follows:

| | |
|---|---|
| % Difference 25 - 70% | Estimate (J25) positive result. |
| % Difference 70 - 100% | Estimate (NJ25) the positive result as presumptively present. |
| % Difference >100% | Reject (R25) the positive result if no interference is present. |
| % Difference 100-200% (Interference) | Estimate (NJ25) the positive result as presumptively present. |
| % Difference >50% (value <CRQL) | Raise the value to the CRQL and qualify as nondetect (U25). |

Sample calculations were spot-checked. For sample KS-B-DUP-1 (column CLP-pest), a peak at retention time (RT) 3.94 was used in the Aroclor 1254 quantitation. This peak was outside of the retention time window of 4.11 - 4.21 minutes. The raw data was reviewed, and the correct peak at RT 4.14 was used by the validator to recalculate the Aroclor 1254 concentration. With the revised CLP-pest column result, the dual column %D went from 85% to 0%. No changes were necessary as the CLP-pesticide II column result was reported for the sample.

For sample KS-B-5(8-10)(column CLP-pest), a peak at retention time (RT) 4.68 was used in the Aroclor 1254 quantitation. This peak was outside of the retention time window of 4.74 - 4.84 minutes. The raw data was reviewed, and the correct peak at RT 4.75 was used by the validator to recalculate the Aroclor 1254 concentration. With the revised CLP-pest column result, the dual column %D went from 449% to 384%. No changes were necessary as the result for Aroclor 1254 was raised to nondetect at the CRQL due to high dual column precision results.

The inorganic data were evaluated based on the following parameters:

* Data Completeness
* Holding Times and Sample Preservation
  Instrument Calibration
  Contract Required Detection Limit (CRDL) Standard Analysis
  Blank Analysis Results
  Inductively Coupled Plasma (ICP) Interference Check Sample Results
  Matrix Spike (MS) Results
* Laboratory Duplicate Results
* Field Duplicate Results
* Laboratory Control Sample (LCS) Results
* ICP Serial Dilution Results
* Moisture Content
* Sample Quantitation and Data Assessment

* All criteria were met for this parameter.

All results were found to be usable with the exception of cyanide in sample KS-B-7(16.5-18) which was rejected due to extremely low matrix spike recovery.

The validation recommendations were based on the following information.

## Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the metals and cyanide analyses.

## Holding Times and Sample Preservation

All criteria were met in the metals and cyanide analyses.

## Instrument Calibration

The following table lists the recoveries which were outside the control limits in the metals calibration standards.

| Analyte | Recovery | Analysis Date/ Calibration Standard | Associated Samples | Validation Actions |
|---|---|---|---|---|
| Cobalt | 114% | 1/27/04 CCV2 | MW-5(31-36), B-6A(10-12), B-6A(24-26), B-5A(12-14) | Estimate (J4) the positive results for cobalt in the associated |

| Analyte | Recovery | Analysis Date/ Calibration Standard | Associated Samples | Validation Actions |
|---|---|---|---|---|
| | | | | samples.; possible high bias. |
| Antimony | 111% | 1/23/04 CCV8 | KS-B-7(48-49), KS-B-8(30-32),KS-B-7(16.5-18), KS-B-8(12-14), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1, KS-B-5(8-10), KS-B-5(14-16), KS-MW-5(16.5-18) | Validation action was not required; project samples were not bracketed by this calibration standard. |
| Potassium | 89% | 1/27/04 CCV2 | MW-5(31-36), B-6A(10-12), B-6A(24-26), B-5A(12-14) | Estimate (J4) the positive results for potassium in the associated samples.; possible low bias. |

## CRDL Standard Analysis

A low level standard was analyzed for the ICP analyses. The following table lists the analytes which exhibited recoveries outside of the validation control limits of 80 - 120%. Based on Region II validation guidelines, the affected analyte level range is determined by the true value of the standard ± 2x the standard level.

| Analyte | Recovery | Associated Samples | Validation Actions |
|---|---|---|---|
| Potassium | 79%, 77% | KS-B-7(48-49), KS-B-8(30-32),KS-B-7(16.5-18), KS-B-8(12-14), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1, KS-B-5(8-10), KS-B-5(14-16), KS-MW-5(16.5-18) | Estimate (J14) the positive results for potassium in samples KS-B-8(30-32),KS-B-7(16.5-18), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1, KS-B-5(8-10), KS-B-5(14-16), KS-MW-5(16.5-18); results may be biased low. |
| Potassium | 74%, 74% | KS-FB-011904 | Estimate (UJ14) the nondetect result for potassium in sample KS-FB-011904; result may be biased low. |
| Aluminum | 131% | KS-FB-011904 | Estimate (J14) the positive result for aluminum in sample KS-FB-011904; result may be biased high. |
| Potassium | 76%, 76% | KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-B-5A(12-14), KS-MW-4(10-12), KS-MW-4(32-33), KS-MW-2(16-18), KS-MW-2(12-14) | Estimate (J14) the positive results for potassium in all associated soil samples; results may be biased low. |

## Blank Analysis Results

All total metals instrument and method blank results were found to be less than the CRDL.

Sample results were reported down to the method detection limit. As low level contamination was detected in method and instrument blanks, technical judgement was used to evaluate the possible laboratory contamination as follows:

For positive contamination,
If the positive sample value was > the IDL and < the Action Level, qualify the result as a nondetect (U6) at the reported concentration.
If the positive sample value was > the IDL and > the Action Level, report the value unqualified.

For negative contamination,
If the positive sample value was > the instrument detection limit (IDL) and < the Action Level, qualify the result as estimated (J22) at the reported concentration. The result may be biased low.
If the result was nondetect, qualify the result as estimated (UJ22) at the detection limit. The result may be biased low.
If the positive sample value was > the Action Level, report the value unqualified.

The following table summarizes the blank contaminants detected in the laboratory blanks and associated action levels.

| Analyte | Maximum Concentration | Action Level (mg/kg) | Validation Actions |
|---|---|---|---|
| Aluminum | (101ug/L), 25.2 mg/kg | 126 mg/kg | No actions required. |
| Magnesium | (26.5 ug/L), 6.6 mg/kg | 33 mg/kg | No actions required. |
| Potassium | (124 ug/L), 31 mg/kg | 156 mg/kg | No actions required. |
| Cyanide 1/21/04* | (1.7 ug/L), 85 ug/kg<br>(-2.3 ug/L), 115 ug/kg | 425 ug/kg<br>(-) 575 ug/kg | Qualify the positive results for cyanide as nondetect (U6) in samples KS-B-8(12-14) and KS-B-5(3-5).<br>Estimate (UJ22) results for cyanide in all associated samples; possible low bias. |
| Cyanide 1/30/04* | (-4.8 ug/L), -240 ug/kg | (-) 1200 ug/kg | Estimate (J/UJ22) results for cyanide in samples KS-B-5(8-10), KS-MW-5(16.5-18), KS-FB-011904, KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-B-5A(12-14), KS-MW-4(10-12), KS-MW-4(32-33), KS-MW-2(12-14); possible low bias. |

* Associated samples: KS-B-7(48-49), KS-B-8(30-32),KS-B-7(16.5-18), KS-B-8(12-14), KS-B-3(2-4), KS-B-5(3-5), KS-B-DUP-1
** Associated samples: KS-B-5(8-10), KS-B-5(14-16), KS-MW-5(16.5-18), KS-FB-011904, KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-B-5A(12-14), KS-MW-4(10-12), KS-MW-4(32-33), KS-MW-2(16-18), KS-MW-2(12-14)

The following table summarizes the blank contaminants detected in the field blank, KS-FB011904, associated with all soil samples, and the associated action levels. All analytes were detected below the soil CRDL, therefore sample results less than the action level were qualified as nondetects (U6),

rather than rejected.

| Analyte | Maximum Concentration | Blank Action Level (mg/kg) | Validation Actions |
|---|---|---|---|
| Aluminum | (61.3 ug/L) 15.3 mg/kg | 77.5 | No actions required. |
| Calcium | (97.8 ug/L) 24.5 mg/kg | 122 | No actions required. |
| Copper | (3.8 ug/L) 0.95 mg/kg | 4.8 | No actions required. |
| Iron | (82.8 ug/L) 20.7 mg/kg | 103.5 | No actions required. |
| Magnesium | (26.2 ug/L) 6.5 mg/kg | 32.5 | No actions required. |
| Manganese | (15.4 ug/L) 3.8 mg/kg | 19.3 | No actions required. |
| Sodium | (136 ug/L) 34 ug/kg | 170 | Qualify the results for sodium as nondetect (U6) in samples KS-B-7)16.5-18), KS-B-5(3-5), and KS-MW-5(16.5-18). |

## ICP ICS Results

The following table lists the analytes recovered outside of control limits in the ICSAB analysis.

| Analyte | Recovery (%) | Associated Samples | Validation Actions |
|---|---|---|---|
| Selenium<br>Thallium | 76, 77<br>74, 64 | KS-FB011904 | No actions required; sample interferent levels were less than 50% those of the ICSAB. |
| Selenium | 78 | KS-MW-5(34-36), KS-B-6A(10-12), KS-B-6A(24-26), KS-B-5A(12-14), KS-MW-4(10-12), KS-MW-4(32-33), KS-MW-2(16-18), KS-MW-2(12-14) | Estimate (UJ16) the nondetect results for selenium in samples KS-MW-5(34-36), KS-B-6A(24-26), KS-B-5A(12-14), KS-MW-4(32-33), and KS-MW-2(16-18); results may be biased low. Validation action was not required for the remaining samples as interferent levels were less than 50% those of the ICSAB. |

Positive results were observed for cadmium and antimony in the ICSA solution analyses associated with all soil samples. Positive results were observed for cadmium in the ICSA solution analysis associated with sample KS-FB011904. The levels of interferents in samples were reviewed. Iron or calcium were present in samples KS-B-7(48-49) (121%), KS-B-3(2-4) (52%), KS-MW-5(34-36) (81%), KS-B-6A(24-26) (55%), KS-B-5A(12-14) (69%), KS-MW-4(32-33) (61%), and KS-MW-2(16-18) (82%) at greater than 50% that of the level in the ICSA solution. Professional judgement was used to accept results in which the estimated interference was less than 10% of the analyte level or in which the negative interference was less than one half the sample quantitation limit (QL). Interferences were calculated at the instrument (aqueous) level.

| Sample | Analyte | Sample Result (ug/L) | Estimated Interference (ug/L) | Actions |
|---|---|---|---|---|
| KS-B-7(48-49) | Cadmium | 5 U | 2.3 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Antimony | 6.6 | 16 | Estimate (J21) the positive result; possible high bias. |
| KS-B-3(2-4) | Cadmium | 5 U | 1.0 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Antimony | 6 U | 6.9 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| KS-MW-5(34-36) | Cadmium | 5 U | 2.7 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Antimony | 6 U | 10.6 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| KS-B-6A(24-26) | Cadmium | 5 U | 1.8 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Antimony | 6 U | 7.2 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| KS-B-5A(12-14) | Cadmium | 5 U | 2.3 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Antimony | 6 U | 9.0 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| KS-MW-4(32-33) | Cadmium | 5 U | 2.0 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Antimony | 6 U | 8.0 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| KS-MW-2(16-18) | Cadmium | 5.1 | 2.7 | Estimate (J21) the positive result; possible high bias. |
| | Antimony | 6 U | 10.7 | No validation action required; result was nondetect and therefore not affected by potential high bias. |

## MS Results

A matrix spike analysis was performed on sample KS-MW-5(34-36) for the ICP metals analyses and on samples KS-B-7(16.5-18) and KS-MW-5(16.5-18) for the cyanide analyses. The following table lists the analyte recoveries found outside of the control limits of 75-125% .

| Analyte | MS Sample | Recovery (%) | Validation Actions |
|---|---|---|---|
| Cyanide | KS-B-7(16.5-18) | 0 | Reject (R8) the nondetect result for cyanide in sample KS-B-7(16.5-18). As a second matrix spike was performed on sample KS-MW-5(16.5-18) and recovery was acceptable, |

| Analyte | MS Sample | Recovery (%) | Validation Actions |
|---|---|---|---|
| | | | technical judgement was used to estimate (J/UJ8) (rather than reject) the positive and nondetect results for cyanide in all other samples, with the exception of KS-MW-5(16.5-18), which exhibited an acceptable recovery for cyanide. Results may be biased low. |
| Antimony | KS-MW-5(34-36) | 15 | Estimate (UJ8) the nondetect results for antimony in all soil samples; possible low bias. |
| Manganese | KS-MW-5(34-36) | 144 | Estimate (J8) the positive results for manganese in all soil samples; possible high bias. |
| Thallium | KS-MW-5(34-36) | 147 | Validation actions were not required; results for thallium were nondetect and therefore not affected by the potential high bias. |

The laboratory performed and reported additional matrix spike analyses on various non-project samples. Qualification of the data was not performed based on these results due to differences in sample type, matrix, etc.

The laboratory performed a matrix spike on project sample KS-MW-4(0.5-1) for the mercury analyses (reported in 205651). These MS results were used for the evaluation of accuracy for mercury in this sample group. All criteria were met.

**Laboratory Duplicate Results**

A laboratory duplicate analysis was performed on sample KS-MW-5(34-36) for the ICP metals analyses and on samples KS-B-7(16.5-18) and KS-MW-5(16.5-18) for the cyanide analyses.

The laboratory performed and reported additional duplicate analyses on various non-project samples. Qualification of the data was not performed based on these results due to differences in sample type, matrix, etc.

The laboratory performed a laboratory duplicate analysis on project sample KS-MW-4(0.5-1) for the mercury analysis (reported in 205651). These duplicate results were used for the evaluation of precision for mercury in this sample group. All criteria were met

**Field Duplicate Results**

The soil field duplicate pair of KS-B-3(2-4) and KS-DUP-1 was submitted with this sample group. Analyte %RPDs were within the inorganic control limit of 100% or +/-2x quantitation limit (QL) for soil levels <5xQL.

**Laboratory Control Sample (LCS) Results**

All criteria were met in the metals and cyanide analyses.

## ICP Serial Dilution Results

The laboratory performed an ICP serial dilution analysis on sample KS-MW-5(16.5-18). All criteria were met.

## Moisture Content

All criteria were met.

## Sample Quantitation and Data Assessment

Sample calculations were spot-checked; no discrepancies were noted.

**Site:** Kingsbridge Station
**Laboratory:** Severn Trent Labs, Inc., Shelton, CT
**Job No.:** 205740
**Reviewer:** Lisa McDonagh/GEI Consultants
**Date:** March 16, 2004

**Samples Reviewed and Evaluation Summary**

| FIELD ID | LAB ID | FRACTIONS VALIDATED |
|---|---|---|
| KS-B-4(15-17) | 205740-01 | VOC, SVOC |
| KS-B-4(9-11) | 205740-02 | VOC, SVOC |
| KS-B-4(22-24) | 205740-03 | VOC, SVOC |
| KS-FB-013004 | 205740-04 | VOC, SVOC |
| KS-B-3(6-7) | 205740-05 | VOC, SVOC |
| KS-B-3(9-10) | 205740-06 | VOC, SVOC |
| KS-B-9(5-7) | 205740-07 | VOC, SVOC |
| KS-B-9(14-15) | 205740-08 | VOC, SVOC |
| KS-B-DUP-2 | 205740-09 | VOC, SVOC |

| | | |
|---|---|---|
| Associated QC Samples: | Field/Trip Blanks: | KS-FB-013004 |
| | Field Duplicate pair: | KS-B-9(14-16)/KS-B-DUP-2 |

The above listed soil and aqueous samples were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B, semivolatile organic compounds (SVOCs) by SW-846 method 8270C. The data validation was based on the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8260B, SOP No. HW-24, Revision 1, June 1999, USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8270C, SOP No. HW-22, Revision 2, June 2001.

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The organic data were evaluated based on the following parameters:

| | | |
|---|---|---|
| * | · | Data Completeness |
| * | · | Holding Times and Sample Preservation |
| * | · | Gas Chromatography/Mass Spectrometry (GC/MS) Tunes |
| | · | Initial and Continuing Calibrations |
| | · | Blanks |
| | · | Surrogate Recoveries |
| NA | · | Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results |
| | · | Laboratory Control Sample (LCS) Results |
| * | · | Internal Standards |
| * | · | Field Duplicate Results |
| | · | Quantitation Limits and Data Assessment |

| | | |
|---|---|---|
| * | - | All criteria were met. |
| NA | - | Not applicable |

All results were found to be usable with the exception of benzoic acid in samples KS-FB-013004, KS-B-4(15-17) and KS-B-4(9-11) and 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol in samples KS-B-4(15-17) and KS-B-4(9-11) due to poor laboratory control spike recoveries.

The organic validation recommendations were based on the following information.

**Data Completeness**

The data package was found to be complete.

**Holding Times and Sample Preservation**

All criteria were met in the VOC and SVOC analyses.

**GC/MS Tunes**

All criteria were met in the VOC and SVOC analyses.

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## Initial and Continuing Calibrations

Compounds that did not meet criteria in the VOC and SVOC initial and continuing calibrations are summarized in the following tables.

| **Instrument ID**<br>**MSL**<br>**Compound** | **IC**<br>**1/26/04** | **CC**<br>**2/3/04** |
|---|---|---|
| bromomethane | X (16.9%) | |
| chloroethane | X (18.6%) | |
| dibromochloromethane | X (16.1%) | |
| bromoform | X (26.3%) | |
| Samples Affected | All listed | KS-FB-013004 |

| **Instrument ID**<br>**MSN**<br>**Compound** | **IC**<br>**11/24/03** | **CC**<br>**1/29/04** |
|---|---|---|
| chloromethane | | |
| bromomethane | X (20.9%) | XX (73.9%) |
| chloroethane | X (31.6%) | |
| carbon disulfide | | |
| acetone | X (17.9%) | |
| 1,1,1-trichloroethane | | XX (36.3%) |
| carbon tetrachloride | | XX (32.9%) |
| 1,2-dichloroethane | | XX (24.1%) |
| trichloroethene | | XX (26.0%) |
| 4-methyl-2-pentanone | | XX (29.0%) |
| 2-hexanone | | XX (26.9%) |
| 1,1,2,2-tetrachloroethane | | XX (27.0%) |
| bromoform | X (15.3%) | |
| Samples Affected | All listed | KS-B-4(15-17),<br>KS-B-4(9-11) |

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| **Instrument ID**<br>**MSN**<br>**Compound** | **IC**<br>**2/2/04** | **CC**<br>**2/4/04** |
|---|---|---|
| chloromethane | X (41.3%) | XX (22.6%) |
| bromomethane | X (32.6%) | XX (44.6%) |
| chloroethane | X (15.8%) | |
| carbon disulfide | | |
| acetone | X (32.3%) | XX (25.3%) |
| Samples Affected | All listed | KS-B-4(22-24),<br>KS-B-3(6-7),<br>KS-B-3(9-10),<br>KS-B-9(5-7),<br>KS-B-9(14-15),<br>KS-B-DUP-2 |

X = Initial calibration (IC) relative standard deviation (%RSD) > 15; estimate (J3) positive and (UJ3) nondetect results.

XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ4) positive and nondetect results.

+ = Response factor (RRF) < 0.05; Estimate (J2) positive results and reject (R2) nondetect results.

The following results were qualified as estimated (J/UJ3) due to initial calibration nonconformances: bromomethane, chloroethane, dibromochloromethane and bromoform in sample KS-FB-013004, bromomethane, chloroethane acetone and bromoform in samples KS-B-4(15-17) and KS-B-4(9-11), chloromethane, bromomethane , chloroethane and acetone in samples KS-B-4(22-24), KS-B-3(6-7), KS-B-3(9-10), KS-B-9(5-7), KS-B-9(14-15) and KS-B-DUP-2 due to initial calibration nonconformances. The following results were qualified as estimated (J/UJ4) due to continuing calibration nonconformances: bromomethane, 1,1,1-trichloroethane, carbon tetrachloride, 1,2-dichloroethane, trichloroethene, 4-methyl-2-pentanone, 2-hexanone and 1,1,2,2-tetrachloroethane in samples KS-B-4(15-17) and KS-B-4(9-11), chloromethane, bromomethane and acetone in samples KS-B-4(22-24), KS-B-3(6-7), KS-B-3(9-10), KS-B-9(5-7), KS-B-9(14-15) and KS-B-DUP-2, due to continuing calibration nonconformances.

## Blanks

The following table summarizes the method blank contamination in the VOC and SVOC analyses.

| Compound | Type of Blank | Associated Samples | Maximum Concentration | Blank Action Level |
|---|---|---|---|---|
| toluene | Soil Method Blank | KS-B-4(22-24), KS-B-3(6-7), KS-B-3(9-10), KS-B-9(5-7), KS-B-9(14-15), KS-B-DUP-2 | 0.60 ug/Kg | 3.0 ug/Kg |
| di-n-butylphthalate | Soil Method Blank | KS-B-4(15-17), KS-B-4(9-11) | 53.5 ug/Kg | 535 ug/Kg |
| bis(2-ethylhexyl)phthalate | Soil Method Blank | KS-B-4(15-17), KS-B-4(9-11) | 293 ug/Kg | 2930 ug/Kg |
| di-n-butylphthalate | Soil Method Blank | KS-B-4(22-24), KS-B-3(6-7), KS-B-3(9-10), KS-B-9(5-7), KS-B-9(14-15), KS-B-DUP-2 | 76.7 ug/Kg | 767 ug/Kg |

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Blank Actions

If the sample concentration ≤ QL and ≤ blank action level, qualify the result as not detected (U6) at the QL.
If the sample concentration > QL and ≤ blank action level, qualify the result as not detected (U6) at the reported value.
If the sample concentration > blank action level, report the value unqualified.

Based on the action levels determined, di-n-butylphthalate in samples KS-B-3(6-7), KS-B-3(9-10),KS-B-9(5-7)and KS-B-DUP-2 were qualified as nondetect (U6) due to method blank contamination.

**Surrogate Recoveries**

All criteria were met in the VOC analyses.

The semivolatile surrogates were outside of the control limits in the following samples KS-B-4(15-17) and KS-B-4(9-11) due to sample dilutions. Qualifications were not required.

**MS/MSD Results**

An MS/MSD was not submitted with these samples.

**LCS Results**

The following table lists the VOC and SVOC compound recoveries found outside of the laboratory control limits of 60-140% and the resultant actions.

| Compound | Recovery (%) | Associated samples | Actions |
|---|---|---|---|
| bromomethane | 37 | KS-B-4(15-17), KS-B-4(9-11) | Estimate (UJ9) the nondetect results for bromomethane in the associated samples, results may be biased low. |
| acetone | 148 | KS-B-4(15-17), KS-B-4(9-11) | Estimate (J9) the positive results for acetone in the associated samples, results may be biased high. |
| bromomethane | 153 | KS-B-4(22-24), KS-B-3(6-7), KS-B-3(9-10), KS-B-9(5-7), KS-B-9(14-15), KS-B-DUP-2 | Estimate (J9) the positive results for bromomethane in the associated samples, results may be biased high. |
| chloromethane<br>vinyl chloride<br>carbon disulfide | 39<br>48<br>59 | KS-FB-013004 | Estimate (UJ9) the nondetect results for the affected compounds in the associated samples, results may be biased low. |
| benzoic acid | 0 | KS-FB-013004 | Reject (R9) the nondetect result for benzoic acid in the associated |

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| Compound | Recovery (%) | Associated samples | Actions |
|---|---|---|---|
| | | | samples. |
| phenol<br>4-nitrophenol | 39<br>45 | KS-FB-013004 | Estimate (UJ9) the nondetect results for the affected compounds in the associated samples, results may be biased low. |
| benzoic acid<br>2,4-dinitrophenol<br>4,6-dinitro-2-methylphenol | 0<br>3<br>9 | KS-B-4(15-17),<br>KS-B-4(9-11) | Reject (R9) the nondetect results for the affected compounds in the associated samples. |
| 4-chloroaniline<br>hexachlorocyclopentadiene<br>pentachlorophenol | 52<br>31<br>37 | KS-B-4(15-17),<br>KS-B-4(9-11) | Estimate (UJ9) the nondetect results for the affected compounds in the associated samples, results may be biased low. |
| benzoic acid<br>4-chloroaniline<br>hexachlorocyclopentadiene<br>3,3-dichlorobenzidine | 35<br>47<br>48<br>58 | KS-B-4(22-24),<br>KS-B-3(6-7),<br>KS-B-3(9-10),<br>KS-B-9(5-7),<br>KS-B-9(14-15),<br>KS-B-DUP-2 | Estimate (UJ9) the nondetect results for the affected compounds in the associated samples, results may be biased low. |

## Internal Standards

All criteria were met in the VOC and SVOC analyses.

## Field Duplicate Results

All criteria were met in the VOC and SVOC analyses.

## Quantitation Limits and Data Assessment

Sample calculations were spot-checked; there were no errors noted.
Results were reported which were below the lowest calibration standard level (RL) and above the method detection limit (MDL) in the VOC and SVOC analyses. These results were qualified by the laboratory (J). These results were qualified as estimated (J5) due to uncertainty at the low end of calibration.

The following table lists the sample dilutions and/or reanalyses which were performed and reported. Quantitation limits were elevated accordingly.

| Sample | VOC Analysis Reported | SVOC Analysis Reported |
|---|---|---|

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| Sample | VOC Analysis Reported | SVOC Analysis Reported |
|---|---|---|
| KS-B-4(15-17) | Low level analysis reported for all analytes. Laboratory performed and reported 2-fold dilution for all analytes | Laboratory performed 10-fold analysis. Final extract volume 0.5 ml. Report 10-fold dilution for all analytes. |
| KS-B-4(9-11) | NR | Laboratory performed 10-fold analysis. Final extract volume 0.5 ml. Report 10-fold dilution for all analytes. |

# Data Usability Summary Report

**Site:** Kingsbridge Station, Bronx, New York
**Laboratory:** Severn Trent Laboratories, Shelton, CT
**Report No.:** 205740
**Reviewer:** Lorie MacKinnon/GEI Consultants
**Date:** March 14, 2004

## Samples Reviewed and Evaluation Summary

| FIELD ID | LAB ID | FRACTIONS VALIDATED |
|---|---|---|
| KS-B-4(15-17) | 205740-01 | PCBs, Metals, Cyanide |
| KS-B-4(9-11) | 205740-02 | PCBs, Metals, Cyanide |
| KS-B-4(22-24) | 205740-03 | PCBs, Metals, Cyanide |
| KS-FB-013004 | 205740-04 | PCBs, Metals, Cyanide |
| KS-B-3(6-7) | 205740-05 | PCBs, Metals, Cyanide |
| KS-B-3(9-10) | 205740-06 | PCBs, Metals, Cyanide |
| KS-B-9(5-7) | 205740-07 | PCBs, Metals, Cyanide |
| KS-B-9(14-16) | 205740-08 | PCBs, Metals, Cyanide |
| KS-B-DUP2 | 205740-09 | PCBs, Metals, Cyanide |

| | | |
|---|---|---|
| Associated QC Samples: | Field/Trip Blanks: | KS-FB-013004 |
| | Field Duplicate pair: | KS-B-9(14-16)/KS-B-DUP-2 |

The above listed samples were collected on January 27, 29, and 30, 2004 and were analyzed for polychlorinated biphenyls (PCBs) by SW-846 method 8082, metals by SW-846 methods 6010B/7471, and cyanide by SW-846 method 9012. The data validation was based on the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8080A/8000A, SOP No. HW-23, Revision 0, April 1995 and the USEPA Region II Standard Operating Procedure (SOP) for the Evaluation of Metals Data for the Contract Laboratory Program, SOP No. HW-2, Revision 11, January 1992.

The organic data were evaluated based on the following parameters:

- * Data Completeness
- Holding Times and Sample Preservation
- * Initial and Continuing Calibrations
- * Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- * Laboratory Control Sample (LCS) Results
- * Field Duplicate Results
- * Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

* - All criteria were met.

All results were found to be usable.

The organic validation recommendations were based on the following information.

## Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the PCB analyses.

## Holding Times and Sample Preservation

The extraction for sample KS-FB-013004 took place four days outside of the required holding time. All results were nondetect. The nondetect PCB results for sample KS-FB-013004 were estimated (UJ1) and may be biased low.

## Initial and Continuing Calibrations

All criteria were met in the PCB analyses.

## Blanks

Contamination was not detected in the PCB method and instrument blanks. Contamination was not detected in the field blank sample.

## Surrogate Recoveries

The following table lists the surrogate recoveries which were outside of control limits and the resulting validation actions.

| Sample | Surrogate/ Column | Recovery (%) | Control Limits | Actions |
|---|---|---|---|---|
| KS-B-4(15-17) | DCB/1<br>TCMX/2 | 217<br>230 | 25-159<br>24-154 | No validation action required; within limits on alternate column. |
| KS-B-4(9-11) | DCB/1<br>TCMX/2 | 189<br>170 | 25-159<br>24-154 | No validation action required; within limits on alternate column. |
| **DCB = Decachlorobiphenyl**<br>**TCMX = Tetrachloro-m-xylene** | | | | |

## MS/MSD Results

An MS/MSD analysis was not associated with this sample group. Validation action was not taken on this basis.

## LCS Results

All criteria were met for the PCB analyses.

**Field Duplicate Results**

The field duplicate pair of KS-B-9(14-16) and KS-B-DUP-2 was identified. All PCB results were nondetect in the field duplicate pair.

**Moisture Content**

All criteria were met.

**Quantitation Limits and Data Assessment**

Sample calculations were spot-checked; there were no errors noted. Sample dilutions and reanalyses were not required.

Results were reported which were below the lowest calibration standard level (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified by the laboratory (J). These results were qualified as estimated (J5) due to uncertainty at the low end of calibration.

**Sample Quantitation and Compound Identification**

The following table lists the analytes which exhibited %Ds between the results from the two analytical columns which exceeded the acceptance criteria.

| Sample | Analyte | %D | Action |
|---|---|---|---|
| KS-B-4(9-11) | Aroclor 1260 | 159 | Result for Aroclor 1260 was <CRQL. Report the result for Aroclor 1260 as nondetect (U25). |

Based on Region II validation guidelines, the evaluation of dual column differences is performed as follows:

| | |
|---|---|
| % Difference 25 - 70% | Estimate (J25) positive result. |
| % Difference 70 - 100% | Estimate (NJ25) the positive result as presumptively present. |
| % Difference >100% | Reject (R25) the positive result if no interference is present. |
| % Difference 100-200% (Interference) | Estimate (NJ25) the positive result as presumptively present. |
| % Difference >50% (value <CRQL) | Raise the value to the CRQL and qualify as nondetect (U25). |

The inorganic data were evaluated based on the following parameters:

* Data Completeness
* Holding Times and Sample Preservation
  Instrument Calibration
  Contract Required Detection Limit (CRDL) Standard Analysis
  Blank Analysis Results
  Inductively Coupled Plasma (ICP) Interference Check Sample Results
  Matrix Spike (MS) Results
* Laboratory Duplicate Results
* Field Duplicate Results
* Laboratory Control Sample (LCS) Results
* ICP Serial Dilution Results
* Moisture Content
* Sample Quantitation and Data Assessment

* All criteria were met for this parameter.

All results were found to be usable.

The validation recommendations were based on the following information.

## Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the metals and cyanide analyses.

## Holding Times and Sample Preservation

All criteria were met in the metals and cyanide analyses.

## Instrument Calibration

The following table lists the recoveries which were outside the control limits in the metals calibration standards.

| Analyte | Recovery | Analysis Date/ Calibration Standard | Associated Samples | Actions |
|---|---|---|---|---|
| Arsenic | 111% | 2/3/04 CCV2 | KS-B-4(15-17), KS-B-4(9-11) | Validation actions were not required; project samples were not bracketed by these calibration standards. |
| | | | | |

| Analyte | Recovery | Analysis Date/ Calibration Standard | Associated Samples | Actions |
|---|---|---|---|---|
| Antimony | 87%<br>86% | 2/3/04 CCV7<br>2/3/04 CCV8 | KS-B-4(15-17), KS-B-4(9-11) | Validation actions were not required; project samples were not bracketed by these calibration standards. |
| Cobalt | 111% | 2/3/04 CCV8 | KS-B-4(15-17), KS-B-4(9-11) | Validation actions were not required; project samples were not bracketed by these calibration standards. |
| Silver | 89% | 2/3/04 CCV8 | KS-B-4(15-17), KS-B-4(9-11) | Validation actions were not required; project samples were not bracketed by these calibration standards. |

## CRDL Standard Analysis

A low level standard was analyzed for the ICP analyses. The following table lists the analytes which exhibited recoveries outside of the validation control limits of 80 - 120%. Based on Region II validation guidelines, the affected analyte level range is determined by the true value of the standard ± 2x the standard level.

| Analyte | Recovery | Associated Samples | Validation Actions |
|---|---|---|---|
| Potassium | 76%, 78% | KS-B-4(15-17), KS-B-4(9-11) | Estimate (J14) the positive results for potassium in samples KS-B-4(15-17) and KS-B-4(9-11); results may be biased low. |
| Aluminum | 141% | KS-B-4(15-17), KS-B-4(9-11) | Validation actions were not required; results for aluminum were greater than the affected range. |
| Antimony | 79% | KS-B-4(15-17), KS-B-4(9-11) | Estimate (UJ14) the nondetect results for antimony in samples KS-B-4(15-17) and KS-B-4(9-11); results may be biased low. |
| Potassium | 75%, 75% | KS-FB-013004 | Estimate (UJ14) the nondetect result for potassium in sample KS-FB-013004; result may be biased low. |
| Aluminum | 144% | KS-FB-013004 | Validation action was not required; result for aluminum was nondetect and therefore not affected by the potential high bias. |
| Potassium | 75%, 76% | KS-B-3(22-24), KS-B-3(6-7), KS-B-3(9-10), KS-B-9(5-7), KS-B-9(14-16), KS-B-DUP2 | Estimate (J14) the positive results for potassium in the associated samples; results may be biased low. |

## Blank Analysis Results

All total metals instrument and method blank results were found to be less than the CRDL. Sample results were reported down to the method detection limit. As low level contamination was detected in method and instrument blanks, technical judgement was used to evaluate the possible laboratory contamination as follows:

For positive contamination,
If the positive sample value was > the IDL and < the Action Level, qualify the result as a nondetect (U6) at the reported concentration.
If the positive sample value was > the IDL and > the Action Level, report the value unqualified.

For negative contamination,
If the positive sample value was > the instrument detection limit (IDL) and < the Action Level, qualify the result as estimated (J22) at the reported concentration. The result may be biased low.
If the result was nondetect, qualify the result as estimated (UJ22) at the detection limit. The result may be biased low.
If the positive sample value was > the Action Level, report the value unqualified.

The following table summarizes the blank contaminants detected in the laboratory blanks and action levels associated with samples KS-B-4(15-17) and KS-B-4(9-11).

| Analyte | Maximum Concentration | Action Level (mg/kg) | Validation Actions |
|---|---|---|---|
| Aluminum | (130 ug/L), 32 mg/kg | 162 mg/kg | No actions required. |
| Manganese | 0.5 mg/kg | 2.5 mg/kg | No actions required. |
| Potassium | (149 ug/L), 37 mg/kg | 187 mg/kg | No actions required. |
| Cyanide | (-2.3 ug/L), 115 ug/kg | (-) 575 ug/kg | Estimate (J/UJ22) the positive and nondetect results for cyanide in all samples; possible low bias. |

The following table summarizes the blank contaminants detected in the laboratory blanks and action levels associated with samples KS-B-3(22-24), KS-B-3(6-7), KS-B-3(9-10), KS-B-9(5-7), KS-B-9(14-16), and KS-B-DUP2.

| Analyte | Maximum Concentration | Action Level (mg/kg) | Validation Actions |
|---|---|---|---|
| Antimony | (7.7 ug/L), 1.9 mg/kg | 9.6 mg/kg | No actions required. |
| Potassium | (469 ug/L), 117 mg/kg | 585 mg/kg | No actions required. |
| Cyanide | (-2.3 ug/L), 115 ug/kg | (-) 575 ug/kg | Estimate (J/UJ22) the positive and nondetect results for cyanide in all samples; possible low bias. |

The following table summarizes the blank contaminants detected in the field blank, KS-FB-013004, associated with all soil samples, and the associated action levels. All analytes were detected below

the soil CRDL, therefore sample results less than the action level were qualified as nondetects (U6), rather than rejected.

| Analyte | Maximum Concentration | Blank Action Level (mg/kg) | Validation Actions |
|---|---|---|---|
| Calcium | (118 ug/L) 29.5 mg/kg | 148 | No actions required. |
| Chromium | (10.5 ug/L) 2.6 mg/kg | 13 | No actions required. |
| Iron | (240 ug/L) 60 mg/kg | 300 | No actions required. |
| Manganese | (6.7 ug/L) 1.7 mg/kg | 8.4 | No actions required. |
| Nickel | (22.8 ug/L) 5.7 mg/kg | 29 | Qualify the results as nondetect (U6) for nickel in samples KS-B-4(15-17), KS-B-4(9-11), KS-B-4(22-24), KS-B-3(6-7), KS-B-3(9-10), KS-B-9(5-7), KS-B-9(14-16), and KS-B-DUP-2. |

## ICP ICS Results

The following table lists the analytes recovered outside of control limits in the ICSAB analysis.

| Analyte | Recovery (%) | Associated Samples | Validation Actions |
|---|---|---|---|
| Selenium | 73 | KS-B-4(15-17), KS-B-4(9-11) | Estimate (UJ16) the nondetect results for selenium in samples KS-B-4(15-17) and KS-B-4(9-11); results may be biased low. |
| Thallium | 123 | KS-B-4(15-17), KS-B-4(9-11) | Validation actions were not required; results for thallium were nondetect and therefore not affected by the potential high bias. |
| Thallium<br>Cobalt<br>Selenium | 71, 51<br>79<br>72 | KS-FB-013004 | No actions required; sample interferent levels were less than 50% those of the ICSAB. |

Both positive and negative results were observed for cadmium and positive results were observed for antimony in the ICSA solution analysis associated with samples KS-B-4(15-17) and KS-B-4(9-11). Positive results were observed for cadmium and chromium and negative results were observed for thallium in the ICSA solution analysis associated with sample FB-013004. Positive results were observed for antimony and negative results were observed for cadmium in the ICSA solution analysis associated with samples KS-B-3(22-24), KS-B-3(6-7), KS-B-3(9-10), KS-B-9(5-7), KS-B-9(14-16), and KS-B-DUP-2. The levels of interferents in samples were reviewed. Iron or calcium were present in samples KS-B-4(15-17) (63%), KS-B-4(9-11) (69%), KS-B-4(22-24) (77%), and KS-B-3(6-7) (52%) at greater than 50% that of the level in the ICSA solution. Professional judgement was used to accept results in which the estimated interference was less than 10% of the

analyte level or in which the negative interference was less than one half the sample quantitation limit (QL). Interferences were calculated at the instrument (aqueous) level.

| Sample | Analyte | Sample Result (ug/L) | Estimated Interference (ug/L) | Actions |
|---|---|---|---|---|
| KS-B-4(15-17) | Cadmium | 5 U | 1.4/-1.6 | No validation action required; result was nondetect and therefore not affected by potential high bias or interference <½ QL. |
| | Antimony | 6 U | 6.6 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| KS-B-4(9-11) | Cadmium | 5 U | 1.5/-1.7 | No validation action required; result was nondetect and therefore not affected by potential high bias or interference <½ QL. |
| | Antimony | 6 U | 7.2 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| KS-B-4(22-24) | Cadmium | 5 U | -2.2 | No validation action required; interference <½ QL. |
| | Antimony | 6 U | 10.5 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| KS-B-3(6-7) | Cadmium | 5 U | -1.5 | No validation action required; interference <½ QL. |
| | Antimony | 6 U | 7.1 | No validation action required; result was nondetect and therefore not affected by potential high bias. |

## MS Results

A matrix spike analysis was performed on sample KS-B-4(22-24) for the ICP analyses.

The laboratory performed and reported matrix spike analyses on various non-project samples for the mercury and cyanide analyses. Qualification of the data was not performed based on these results due to differences in sample type, matrix, etc.

The laboratory performed matrix spike analyses on project sample KS-MW-5(34-36) for the mercury analysis (reported in 205694), and samples KS-B-7(16.5-18) and KS-MW-5(16.5-18) for the cyanide analyses (reported in 205694). These MS results were used for the evaluation of accuracy for this data group. The following table lists the analyte recoveries found outside of the control limits of 75-125% .

| Analyte | MS Sample | Recovery (%) | Validation Actions |
|---|---|---|---|
| Antimony | KS-B-4(22-24) | 32 | Estimate (UJ8) the nondetect results for antimony in all soil samples; possible low bias. |
| Potassium | KS-B-4(22-24) | 57 | Estimate (J8) the positive results for potassium in all soil samples; possible low bias. |

| Analyte | MS Sample | Recovery (%) | Validation Actions |
|---|---|---|---|
| Sodium | KS-B-4(22-24) | 147 | Estimate (J8) the positive results for sodium in all soil samples; possible high bias. |

## Laboratory Duplicate Results

A laboratory duplicate analysis was performed on sample KS-B-4(22-24) for the ICP analyses. All criteria were met.

The laboratory performed and reported duplicate analyses on various non-project samples for the mercury and cyanide analyses. Qualification of the data was not performed based on these results due to differences in sample type, matrix, etc.

The laboratory performed duplicate analyses on project sample KS-MW-5(34-36) for the mercury analysis (reported in 205694), and samples KS-B-7(16.5-18) and KS-MW-5(16.5-18) for the cyanide analyses (reported in 205694). These laboratory duplicate results were used for the evaluation of precision for this data group. All criteria were met.

## Field Duplicate Results

The soil field duplicate pair of KS-B-9(14-16) and KS-B-DUP-2 was submitted with this sample group. Analyte %RPDs were within the inorganic control limit of 100% or +/-2x quantitation limit (QL) for soil levels <5xQL.

## Laboratory Control Sample (LCS) Results

All criteria were met in the metals and cyanide analyses.

## ICP Serial Dilution Results

The laboratory performed an ICP serial dilution analysis on sample KS-B-4(9-11). All criteria were met.

## Moisture Content

All criteria were met.

## Sample Quantitation and Data Assessment

Sample calculations were spot-checked; no discrepancies were noted.

**Site:** Kingsbridge Station
**Laboratory:** Severn Trent Labs, Inc., Shelton, CT
**Job No.:** 205792
**Reviewer:** Lisa McDonagh/GEI Consultants
**Date:** March 16, 2004

**Samples Reviewed and Evaluation Summary**

| FIELD ID | LAB ID | FRACTIONS VALIDATED |
|---|---|---|
| KS-B-2(3-4) | 205792-01 | VOC, SVOC |
| KS-B-1(3-4) | 205792-02 | VOC, SVOC |
| KS-MW1(3-4) | 205792-03 | VOC, SVOC |
| KS-MW3(7-9) | 205792-04 | VOC, SVOC |
| KS-MW3(15-17) | 205792-05 | VOC, SVOC |
| KS-B2(21-23) | 205792-06 | VOC, SVOC |
| KS-B2(38-40) | 205792-07 | VOC, SVOC |
| KS-B1(26-28) | 205792-08 | VOC, SVOC |
| KS-B1(30-32) | 205792-09 | VOC, SVOC |
| KS-FB020504 | 205792-10 | VOC, SVOC |
| KS-MW1(13-15) | 205792-11 | VOC, SVOC |
| KS-MW1(22-24) | 205792-12 | VOC, SVOC |
| KS-MW1(28-29) | 205792-13 | VOC, SVOC |
| KS-MW1(31-32) | 205792-14 | VOC, SVOC |
| KS-DUP3 | 205792-15 | VOC, SVOC |

| | | |
|---|---|---|
| Associated QC Samples: | Field/Trip Blanks: | KS-FB020504 |
| | Field Duplicate pair: | KS-MW1(22-24)/KS-DUP3 |

The above listed soil and aqueous samples were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B, semivolatile organic compounds (SVOCs) by SW-846 method 8270C. The data validation was based on the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8260B, SOP No. HW-24, Revision 1, June 1999, USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8270C, SOP No. HW-22, Revision 2, June 2001.

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The organic data were evaluated based on the following parameters:

| | | |
|---|---|---|
| * | · | Data Completeness |
| * | · | Holding Times and Sample Preservation |
| * | · | Gas Chromatography/Mass Spectrometry (GC/MS) Tunes |
| | · | Initial and Continuing Calibrations |
| | · | Blanks |
| | · | Surrogate Recoveries |
| | · | Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results |
| | · | Laboratory Control Sample (LCS) Results |
| * | · | Internal Standards |
| * | · | Field Duplicate Results |
| | · | Quantitation Limits and Data Assessment |

| | | |
|---|---|---|
| * | - | All criteria were met. |
| NA | - | Not applicable |

All results were found to be usable.

The organic validation recommendations were based on the following information.

**Data Completeness**

The data package was found to be complete.

**Holding Times and Sample Preservation**

All criteria were met in the VOC and SVOC analyses.

**GC/MS Tunes**

All criteria were met in the VOC and SVOC analyses.

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## Initial and Continuing Calibrations

Compounds that did not meet criteria in the VOC and SVOC initial and continuing calibrations are summarized in the following tables.

| **Instrument ID**<br>**MSM**<br>**Compound** | **IC**<br>**2/4/04** | **CC**<br>**2/10/04** | **CC**<br>**2/12/04** |
|---|---|---|---|
| chloromethane | X (19.6%) | XX (32.6%) | XX (31.6%) |
| bromomethane | X (26.7%) | | |
| chloroethane | X (34.0%) | XX (26.4%) | |
| acetone | X (26.4%) | XX (57.1%) | |
| vinyl acetate | | XX (34.7%) | XX (52.3%) |
| Samples Affected | All listed | KS-B2(21-23),<br>KS-B2(38-40),<br>KS-B1(26-28),<br>KS-B1(30-32),KS-MW1(13-15),<br>KS-MW1(22-24),<br>KS-MW1(28-29),<br>KS-MW1(31-32) | KS-B1(26-28)RA*,<br>KS-MW1(22-24)DL*,<br>KS-DUP3 |

| **Instrument ID**<br>**MSN**<br>**Compound** | **IC**<br>**2/2/04** | **CC**<br>**2/9/04** |
|---|---|---|
| chloromethane | X (41.3%) | XX (39.4%) |
| bromomethane | X (32.6%) | XX (30.1%) |
| chloroethane | X (15.8%) | |
| acetone | X (32.3%) | |
| Samples Affected | All listed | KS-B-2(3-4),<br>KS-B-1(3-4),<br>KS-MW1(3-4),<br>KS-MW3(7-9),<br>KS-MW3(15-17) |

| **Instrument ID**<br>**MSO**<br>**Compound** | **IC**<br>**2/13/04** | **CC**<br>**2/16/04** |
|---|---|---|

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| **Instrument ID**<br>**MSO**<br>**Compound** | **IC**<br>**2/13/04** | **CC**<br>**2/16/04** |
|---|---|---|
| bromomethane | | XX (23.6%) |
| 2-hexanone | X (20.6%) | |
| Samples Affected | All listed | KS-FB020504 |

| **Instrument ID**<br>**MSQ**<br>**Compound** | **IC**<br>**2/11/04** |
|---|---|
| 2-chlorophenol | X (15.7%) |
| 1,2-dichlorobenzene | X (17.3%) |
| 2,4-dimethylphenol | X (16.3%) |
| 1,2,4-trichlorobenzene | X (16.3%) |
| 2-methylnaphthalene | X (22.3%) |
| hexachlorocyclopentadiene | X (16.8%) |
| 2,4,6-trichlorophenol | X (15.5%) |
| 2,4,5-trichlorophenol | X (17.3%) |
| 2,4-dinitrophenol | X (23.6%) |
| fluorene | X (17.2%) |
| 4-chlorophenylphenylether | X (18.2%) |
| 4,6-dinitro-2-methylphenol | X (18.0%) |
| 4-bromophenylphenylether | X (17.7%) |
| hexachlorobenzene | X (18.4%) |
| phenanthrene | X (15.1%) |
| fluoranthene | X (15.7%) |
| benzo(a)anthracene | X (22.6%) |
| 3,3-dichlorobenzidine | X (18.9%) |
| chrysene | X (20.3%) |
| bis(2-ethylhexyl)phthalate | X (17.1%) |

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| **Instrument ID**<br>**MSQ**<br>**Compound** | **IC**<br>**2/11/04** |
|---|---|
| benzo(b)fluoanthene | X (21.7%) |
| benzo(k)fluoranthene | X (23.3%) |
| benzo(a)pyrene | X (20.8%) |
| indeno(1,2,3-cd)pyrene | X (28.6%) |
| dibenzo(a,h)anthracene | X (30.8%) |
| benzo(g,h,i)perylene | X (20.9%) |
| Samples Affected | KS-FB020504 |

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| **Instrument ID**<br>**MSU**<br>**Compound** | **IC**<br>**2/10/04** | **CC**<br>**2/11/04** | **CC**<br>**2/12/04** |
|---|---|---|---|
| benzyl alcohol | | | XX (31.8%) |
| benzoic acid | | XX (20.2%) | XX (26.1%) |
| 4-chloroaniline | | | XX (20.9%) |
| 3-nitroaniline | | | XX (21.9%) |
| 2,4-dinitrophenol | X (15.1%) | | |
| 4-nitroaniline | | | XX (20.8%) |
| pyrene | | | XX (35.0%) |
| butylbenzylphthalate | | | XX (28.8%) |
| indeno(1,2,3-cd)pyrene | | | XX (23.7%) |
| dibenzo(a,h)anthracene | | | XX (21.4%) |
| Samples Affected | All listed. | KS-MW3(7-9),<br>KS-MW3(15-17),<br>KS-B2(21-23),<br>KS-B2(38-40),<br>KS-B1(26-28) | KS-B-2(3-4),<br>KS-B-1(3-4),<br>KS-MW1(3-4),<br>KS-B1(30-32),<br>KS-MW1(13-15),<br>KS-MW1(22-24),<br>KS-MW1(28-29)<br>KS-DUP3 |

| **Instrument ID**<br>**MSU**<br>**Compound** | **IC**<br>**2/10/04** | **CC**<br>**2/13/04** |
|---|---|---|
| hexachlorocyclopentadiene | | XX (26.8%) |
| 2,4-dinitrophenol | X (15.1%) | XX (22.8%) |
| Samples Affected | All listed. | KS-MW1(31-32) |

* - Validation action was not required as this analysis was not reported for the affected analytes.

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X = Initial calibration (IC) relative standard deviation (%RSD) > 15; estimate (J3) positive and (UJ3) nondetect results.

XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ4) positive and nondetect results.

+ = Response factor (RRF) < 0.05; Estimate (J2) positive results and reject (R2) nondetect results.

The following results were qualified as estimated (J/UJ3) due to initial calibration nonconformances: chloromethane, bromomethane, chloroethane and acetone in samples KS-B2(21-23), KS-B2(38-40), KS-B1(26-28), KS-B1(30-32), KS-MW1(13-15), KS-MW1(22-24), KS-MW1(28-29) and KS-MW1(31-32), KS-B1(26-28)RA*, KS-MW1(22-24)DL* and KS-DUP3, chloromethane, bromomethane, chloroethane and acetone in samples KS-B-2(3-4), KS-B-1(3-4), KS-MW1(3-4), KS-MW3(7-9) and KS-MW3(15-17), 2-hexanone in sample KS-FB020504, 2-chlorophenol, 1,2-dichlorobenzene, 2,4-dimethylphenol, 1,2,4-trichlorobenzene, 2-methylnaphthalene, hexachlorocyclopentadiene, 2,4,6-trichlorophenol, 2,4,5-trichlorophenol, 2,4-dinitrophenol, fluorene, 4-chlorophenylphenylether, 4,6-dinitro-2-methylphenol, 4-bromophenylphenylether, hexachlorobenzene, phenanthrene, fluoranthene, benzo(a)anthracene, 3,3-dichlorobenzidine, chrysene, bis(2-ethylhexyl)phthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene and benzo(g,h,i)perylene
in sample KS-FB020504, 2,4-dinitrophenol in samples KS-MW3(7-9),KS-MW3(15-17), KS-B2(21-23), KS-B2(38-40), KS-B1(26-28), KS-B-2(3-4), KS-B-1(3-4), KS-MW1(3-4), KS-B1(30-32), KS-MW1(13-15), KS-MW1(22-24), KS-MW1(28-29) ,KS-DUP3 and KS-MW1(31-32) due to initial calibration nonconformances. The following results were qualified as estimated (J/UJ4) due to continuing calibration nonconformances: chloromethane, chloroethane, acetone and vinyl acetate in samples KS-B2(21-23), KS-B2(38-40), KS-B1(26-28), KS-B1(30-32), KS-MW1(13-15), KS-MW1(22-24), KS-MW1(28-29) and KS-MW1(31-32), chloromethane and vinyl acetate in samples KS-B1(26-28)RA*, KS-MW1(22-24)DL* and KS-DUP3, chloromethane and bromomethane in samples KS-B-2(3-4), KS-B-1(3-4), KS-MW1(3-4), KS-MW3(7-9) and KS-MW3(15-17), bromomethane in sample KS-FB020504, benzoic acid in samples KS-MW3(7-9),KS-MW3(15-17), KS-B2(21-23), KS-B2(38-40), KS-B1(26-28), benzyl alcohol, benzoic acid, 4-chloroaniline, 3-nitroaniline, 4-nitroaniline, pyrene, butylbenzylphthalate, indeno(1,2,3-cd)pyrene and dibenzo(a,h)anthracene in samples KS-B-2(3-4), KS-B-1(3-4), KS-MW1(3-4), KS-B1(30-32), KS-MW1(13-15), KS-MW1(22-24), KS-MW1(28-29) and KS-DUP3 and hexachlorocyclopentadiene and 2,4-dinitrophenol in sample KS-MW1(31-32) due to continuing calibration nonconformances.

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## Blanks

All criteria were met in the SVOC analyses.

The following table summarizes the method blank contamination in the VOC analyses.

| Compound | Type of Blank | Associated Samples | Maximum Concentration | Blank Action Level |
|---|---|---|---|---|
| methylene chloride | Soil Method Blank | KS-B-2(3-4), KS-B-1(3-4), KS-MW1(3-4), KS-MW3(7-9), KS-MW3(15-17) | 1.74 ug/Kg | 17.4 ug/Kg |
| acetone | Soil Method Blank | KS-B1(26-28)RA*, KS-MW1(22-24)DL*, KS-DUP3 | 3.15 ug/Kg | 31.5 ug/Kg |

* - Validation action was not required as this analysis was not reported for the affected analytes.

Blank Actions

If the sample concentration ≤ QL and ≤ blank action level, qualify the result as not detected (U6) at the QL.
If the sample concentration > QL and ≤ blank action level, qualify the result as not detected (U6) at the reported value.
If the sample concentration > blank action level, report the value unqualified.

Based on the action levels determined, the methylene chloride result in samples KS-B-2(3-4),
KS-B-1(3-4), KS-MW1(3-4), KS-MW3(7-9) and KS-MW3(15-17) and acetone in sample KS-DUP3 were qualified as nondetect (U6) due to method blank contamination.

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## Surrogate Recoveries

All criteria were met in the SVOC analyses.

The following table summarizes the surrogate recoveries that failed to meet the acceptance criteria in the VOC analyses:

| Sample ID | Percent Recovery | | | | Action |
|---|---|---|---|---|---|
| | 12DCED 49-134 | BRFLBE 36-133 | DBRFLM 60-130 | TOLD8 51-137 | |
| KS-B1(26-28) | - | 150 | - | - | Qualify positive results (J7). |
| KS-MW1(22-24) | - | 306 | - | - | Qualify positive results (J7). . |
| KS-B1(26-28)RA* | - | 166 | - | - | Qualify positive results (J7). |
| KS-MW1(22-24)DL* | - | 158 | - | - | Compounds were not detected, qualifications were not required. |

* - Validation action was not required as this analysis was not reported for the affected analytes.

## MS/MSD Results

A VOA MS/MSD was not submitted with these samples.

An MS/MSD was performed on sample KS-MW1(13-15) for the SVOC analyses. The following table lists the analyte MS/MSD recoveries and/or %RPDs which were outside of the laboratory established control limits.

| Compound | MS/MSD %R | RPD % | QC Limits | Action |
|---|---|---|---|---|
| 4-nitrophenol | 56, - | - | 60-140 | Estimate the nondetect result (UJ8) for 4-nitrophenol in the sample KS-MW1(13-15) ; possible low bias. |
| pentachlorophenol | 25, 28 | - | 60-140 | Estimate the nondetect result (UJ8) for pentachlorophenol in the sample KS-MW1(13-15) ; possible low bias. |

-within control limits

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## LCS Results

The following table lists the VOC and SVOC compound recoveries found outside of the laboratory control limits of 60-140% and the resultant actions.

| Compound | Recovery (%) | Associated samples | Actions |
|---|---|---|---|
| acetone<br>2-butanone | 158<br>146 | KS-B-2(3-4),<br>KS-B-1(3-4),<br>KS-MW1(3-4),<br>KS-MW3(7-9),<br>KS-MW3(15-17) | Estimate (J9) the positive results for the affected compounds in the associated samples, results may be biased high. |
| chloroethane<br>acetone<br>1,1,1-trichloroethane<br>trichloroethene | 147<br>148<br>137<br>118 | KS-B2(21-23),<br>KS-B2(38-40),<br>KS-B1(26-28),<br>KS-B1(30-32),<br>KS-MW1(13-15),<br>KS-MW1(22-24),<br>KS-MW1(28-29),<br>KS-MW1(31-32) | Estimate (J9) the positive results for the affected compounds in the associated samples, results may be biased high. |
| chloromethane | 45 | KS-FB020504 | Estimate (UJ9) the nondetect results for chloromethane in the associated sample, results may be biased low. |
| acetone | 169 | KS-FB020504 | Validation not required, acetone was not detected in the associated sample. |
| benzoic acid<br>2,4-dimethylphenol<br>4-chloroaniline<br>hexachlorocyclopentadiene<br>3-nitroaniline<br>2,4-dinitrophenol<br>3,3-dichlorobenzidine | 20<br>56<br>35<br>56<br>49<br>52<br>45 | KS-MW1(3-4),<br>KS-MW3(7-9),<br>KS-MW3(15-17),<br>KS-B2(21-23),<br>KS-B2(38-40),<br>KS-B1(26-28),<br>KS-B1(30-32),<br>KS-MW1(13-15),<br>KS-MW1(22-24),<br>KS-MW1(28-29),<br>KS-MW1(31-32),<br>KS-DUP3 | Estimate (UJ9) the nondetect results for the affected compounds in the associated samples, results may be biased low. |
| benzoic acid<br>2,4-dimethylphenol<br>4-chloroaniline<br>3-nitroaniline<br>2,4-dinitrophenol<br>4-nitrophenol<br>4-nitroaniline<br>pentachlorophenol<br>4,6-dinitro-2-methylphenol<br>3,3-dichlorobenzidine | 12<br>58<br>26<br>40<br>26<br>59<br>55<br>35<br>52 | KS-B-2(3-4),<br>KS-B-1(3-4), | Estimate (UJ9) the nondetect results for the affected compounds in the associated samples, results may be biased low. |

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| Compound | Recovery (%) | Associated samples | Actions |
|---|---|---|---|
| indeno(1,2,3-cd)pyrene<br>dibenzo(a,h)anthracene<br>benzo(g,h,i)perylene | 34<br>56<br>57<br>54 | | |
| phenol<br>1,3-dichlorobenzene<br>1,4-dichlorobenzene<br>1,2-dichlorobenzene<br>hexachloroethane<br>1,2,4-trichlorobenzene<br>benzoic acid<br>hexachlorobutadiene<br>hexachlorocyclopentadiene<br>4-nitrophenol | 36<br>51<br>51<br>54<br>45<br>57<br>19<br>46<br>56<br>40 | KS-FB020504 | Estimate (UJ9) the nondetect results for the affected compounds in the associated sample, results may be biased low. |

## Internal Standards

All criteria were met in the VOC and SVOC analyses.

## Field Duplicate Results

All criteria were met in the VOC and SVOC analyses.

## Quantitation Limits and Data Assessment

Sample calculations were spot-checked; there were no errors noted.
Results were reported which were below the lowest calibration standard level (RL) and above the method detection limit (MDL) in the VOC and SVOC analyses. These results were qualified by the laboratory (J). These results were qualified as estimated (J5) due to uncertainty at the low end of calibration.

The following table lists the sample dilutions and/or reanalyses which were performed and reported. Quantitation limits were elevated accordingly.

| Sample | VOC Analysis Reported | SVOC Analysis Reported |
|---|---|---|
| KS-B1(26-28) | Low level analysis reported for all analytes. Sample analyzed twice due to poor surrogate recoveries. Report original analysis. | NR |
| KS-MW1(22-24) | Low level analysis reported for all analytes. Laboratory performed a straight analysis and a 5-fold dilution. Report the straight analysis. | NR |
| KS-DUP3 | Low level analysis reported for all analytes. Laboratory performed and reported 5-fold dilution for all analytes. | NR |

# Data Usability Summary Report

**Site:** Kingsbridge Station, Bronx, New York
**Laboratory:** Severn Trent Laboratories, Shelton, CT
**Report No.:** 205792
**Reviewer:** Lorie MacKinnon/GEI Consultants
**Date:** March 14, 2004

## Samples Reviewed and Evaluation Summary

| FIELD ID | LAB ID | FRACTIONS VALIDATED |
|---|---|---|
| KS-B-2(3-4) | 205792-01 | PCBs, Metals, Cyanide |
| KS-B-1(3-4) | 205792-02 | PCBs, Metals, Cyanide |
| KS-MW-1(3-4) | 205792-03 | PCBs, Metals, Cyanide |
| KS-MW-3(7-9) | 205792-04 | PCBs, Metals, Cyanide |
| KS-MW-3(15-17) | 205792-05 | PCBs, Metals, Cyanide |
| KS-B-2(21-23) | 205792-06 | PCBs, Metals, Cyanide |
| KS-B-2(38-40) | 205792-07 | PCBs, Metals, Cyanide |
| KS-B-1(26-28) | 205792-08 | PCBs, Metals, Cyanide |
| KS-B-1(30-32) | 205792-09 | PCBs, Metals, Cyanide |
| KS-FB020504 | 205792-10 | PCBs, Metals, Cyanide |
| KS-MW1(13-15) | 205792-11 | PCBs, Metals, Cyanide |
| KS-MW1(22-24) | 205792-12 | PCBs, Metals, Cyanide |
| KS-MW1(28-29) | 205792-13 | PCBs, Metals, Cyanide |
| KS-MW1(31-32) | 205792-14 | PCBs, Metals, Cyanide |
| KS-DUP-3 | 205792-15 | PCBs, Metals, Cyanide |

| | | |
|---|---|---|
| Associated QC Samples: | Field/Trip Blanks: | KS-FB020504 |
| | Field Duplicate pair: | KS-MW1(22-24)/KS-DUP-3 |

The above listed samples were collected on February 2, 3, 4, and 5, 2004 and were analyzed for polychlorinated biphenyls (PCBs) by SW-846 method 8082, metals by SW-846 methods 6010B/7471, and cyanide by SW-846 method 9012. The data validation was based on the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8080A/8000A, SOP No. HW-23, Revision 0, April 1995 and the USEPA Region II Standard Operating Procedure (SOP) for the Evaluation of Metals Data for the Contract Laboratory Program, SOP No. HW-2, Revision 11, January 1992.

The organic data were evaluated based on the following parameters:

* · Data Completeness
  · Holding Times and Sample Preservation
* · Initial and Continuing Calibrations
* · Blanks
  · Surrogate Recoveries

* · Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
* · Laboratory Control Sample (LCS) Results
* · Field Duplicate Results
* · Moisture Content
· Quantitation Limits and Data Assessment
· Sample Quantitation and Compound Identification

* - All criteria were met.

NA - A field duplicate pair was not associated with this sample group.

All results were found to be usable.

The organic validation recommendations were based on the following information.

**Data Completeness**

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the PCB analyses.

**Holding Times and Sample Preservation**

Sample KS-B-1(3-4) was re-extracted and reported due to poor surrogate recoveries in the original analysis. The re-extraction of sample KS-B-1(3-4) took place one day outside of the required holding time. The positive and nondetect PCB results for sample KS-B-1(3-4) were estimated (J/UJ1) and may be biased low.

**Initial and Continuing Calibrations**

All criteria were met in the PCB analyses.

**Blanks**

Contamination was not detected in the PCB method and instrument blanks. Contamination was not detected in the field blank sample.

**Surrogate Recoveries**

The following table lists the surrogate recoveries which were outside of control limits and the resulting validation actions.

| Sample | Surrogate/ Column | Recovery (%) | Control Limits | Actions |
|---|---|---|---|---|
| | | | | |

| Sample | Surrogate/ Column | Recovery (%) | Control Limits | Actions |
|---|---|---|---|---|
| KS-B-1(3-4) | DCB/2<br>TCMX/1 and 2 | 0<br>23, 21 | 25-159<br>24-154 | No validation action required; sample was re-extracted with acceptable surrogate recoveries and reanalysis results were reported. |
| KS-B-2(3-4) | DCB/2 | 20 | 25-159 | No validation action required; within limits on alternate column. |
| KS-MW-1(3-4) | DCB/2 | 14 | 25-159 | No validation action required; within limits on alternate column. |
| **DCB = Decachlorobiphenyl**<br>**TCMX = Tetrachloro-m-xylene** | | | | |

## MS/MSD Results

An MS/MSD was performed on sample KS-B-2(3-4) for the PCB analyses. All criteria were met.

## LCS Results

All criteria were met for the PCB analyses.

## Field Duplicate Results

The field duplicate pair of KS-MW-1(22-24) and KS-DUP-3 was identified. All PCB results were nondetect in the field duplicate pair.

## Moisture Content

All criteria were met.

## Quantitation Limits and Data Assessment

Sample calculations were spot-checked; there were no errors noted.

Results were reported which were below the lowest calibration standard level (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified by the laboratory (J). These results were qualified as estimated (J5) due to uncertainty at the low end of calibration. The following table lists the sample dilutions and/or reanalyses which were performed and reported.

| Sample | PCB Analysis Reported |
|---|---|
| KS-B-1(3-4) | Sample was re-extracted due to poor surrogate recovery in the original analysis. Reanalysis was reported. |

## Sample Quantitation and Compound Identification

The following table lists the analytes which exhibited %Ds between the results from the two analytical columns which exceeded the acceptance criteria.

| Sample | Analyte | %D | Action |
|---|---|---|---|
| KS-B-2(3-4) | Aroclor 1254 | 47 | Estimate (J25) the positive result. |
| KS-B-1(3-4) | Aroclor 1254 | 425 | Result for Aroclor 1254 was <CRQL. Report the result for Aroclor 1254 as nondetect (U25). |
| | Aroclor 1260 | 42 | Estimate (J25) the positive result. |
| KS-MW-1(3-4) | Aroclor 1254 | 54 | Result for Aroclor 1254 was <CRQL. Report the result for Aroclor 1254 as nondetect (U25). |
| KS-MW-3(7-9) | Aroclor 1248 | 41 | Estimate (J25) the positive result. |
| KS-B-1(26-28) | Aroclor 1254 | 54 | Result for Aroclor 1254 was <CRQL. Report the result for Aroclor 1254 as nondetect (U25). |
| | Aroclor 1260 | 51 | Result for Aroclor 1260 was <CRQL. Report the result for Aroclor 1260 as nondetect (U25). |

Based on Region II validation guidelines, the evaluation of dual column differences is performed as follows:

| | |
|---|---|
| % Difference 25 - 70% | Estimate (J25) positive result. |
| % Difference 70 - 100% | Estimate (NJ25) the positive result as presumptively present. |
| % Difference >100% | Reject (R25) the positive result if no interference is present. |
| % Difference 100-200% (Interference) | Estimate (NJ25) the positive result as presumptively present. |
| % Difference >50% (value <CRQL) | Raise the value to the CRQL and qualify as nondetect (U25). |

The inorganic data were evaluated based on the following parameters:

* Data Completeness
* Holding Times and Sample Preservation
* Instrument Calibration
  Contract Required Detection Limit (CRDL) Standard Analysis
  Blank Analysis Results
  Inductively Coupled Plasma (ICP) Interference Check Sample Results
  Matrix Spike (MS) Results
* Laboratory Duplicate Results
* Field Duplicate Results
* Laboratory Control Sample (LCS) Results
* ICP Serial Dilution Results
* Moisture Content
* Sample Quantitation and Data Assessment

* All criteria were met for this parameter.

All results were found to be usable.

The validation recommendations were based on the following information.

**Data Completeness**

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the metals and cyanide analyses.

**Holding Times and Sample Preservation**

All criteria were met in the metals and cyanide analyses.

**Instrument Calibration**

All criteria were met in the metals and cyanide analyses.

**CRDL Standard Analysis**

A low level standard was analyzed for the ICP analyses. The following table lists the analytes which exhibited recoveries outside of the validation control limits of 80 - 120%. Based on Region II validation guidelines, the affected analyte level range is determined by the true value of the standard ± 2x the standard level.

| Analyte | Recovery | Associated Samples | Validation Actions |
|---|---|---|---|
| Potassium | 76%, 76% | KS-FB020504 | Estimate (UJ14) the nondetect result for potassium in sample KS-FB020504; result may be biased low. |
| Potassium | 75%, 76%<br>76%, 76% | All soil samples | Estimate (J14) the positive results for potassium in all soil samples with the exception of KS-MW1(31-32); results may be biased low. |

## Blank Analysis Results

All total metals instrument and method blank results were found to be less than the CRDL.

Sample results were reported down to the method detection limit. As low level contamination was detected in method and instrument blanks, technical judgement was used to evaluate the possible laboratory contamination as follows:

For positive contamination,
If the positive sample value was > the IDL and < the Action Level, qualify the result as a nondetect (U6) at the reported concentration.
If the positive sample value was > the IDL and > the Action Level, report the value unqualified.

For negative contamination,
If the positive sample value was > the instrument detection limit (IDL) and < the Action Level, qualify the result as estimated (J22) at the reported concentration. The result may be biased low.
If the result was nondetect, qualify the result as estimated (UJ22) at the detection limit. The result may be biased low.
If the positive sample value was > the Action Level, report the value unqualified.

The following table summarizes the blank contaminants detected in the laboratory blanks and associated action levels.

| Analyte | Maximum Concentration | Action Level (mg/kg) | Validation Actions |
|---|---|---|---|
| Antimony | (7.7 ug/L), 1.9 mg/kg | 9.6 mg/kg | No actions required. |
| Potassium | (469 ug/L), 117 mg/kg | 586 mg/kg | No actions required. |
| Silver | (1.8 ug/L), 0.45 mg/kg | 2.2 mg/kg | No actions required. |
| Cyanide | (1.1 ug/L), 55 ug/kg<br>(-2.6 ug/L), -130 ug/kg | 275 ug/kg<br>(-) 650 ug/kg | Qualify the positive results for cyanide as nondetect (U6) in samples KS-B-1(3-4), KS-MW-3(7-9), KS-B-2(38-40), and KS-B-1(30-32).<br>Estimate (UJ22) results for cyanide in all samples; possible low bias. |

The following table summarizes the blank contaminants detected in the field blank, KS-FB020504, associated with all soil samples, and the associated action levels. All analytes were detected below

the soil CRDL, therefore sample results less than the action level were qualified as nondetects (U6), rather than rejected.

| Analyte | Maximum Concentration | Blank Action Level (mg/kg) | Validation Actions |
|---|---|---|---|
| Aluminum | (75.4 ug/L) 18.9 mg/kg | 94.5 | No actions required. |
| Barium | (0.9 ug/L) 0.23 mg/kg | 1.15 | No actions required. |
| Calcium | (306 ug/L) 76.5 mg/kg | 382 | No actions required. |
| Iron | (180 ug/L) 45 mg/kg | 225 | No actions required. |
| Magnesium | (49 ug/L) 12.3 mg/kg | 61.5 | No actions required. |
| Manganese | (4.4 ug/L) 1.1 mg/kg | 5.5 | No actions required. |
| Sodium | (145 ug/L) 36.3 ug/kg | 181 | Qualify the results for sodium as nondetect (U6) in samples KS-MW-3(7-9) and KS-MW1(13-15). |

## ICP ICS Results

The following table lists the analytes recovered outside of control limits in the ICSAB analysis.

| Analyte | Recovery (%) | Associated Samples | Validation Actions |
|---|---|---|---|
| Thallium | 70, 66 | KS-FB020504 | No actions required; sample interferent levels were less than 50% those of the ICSAB. |

Positive results were observed for antimony and negative results were observed for cadmium in the ICSA solution analysis associated with samples KS-B-2(3-4), KS-B-1(3-4), KS-MW-1(3-4), KS-MW-3(7-9), KS-MW-3(15-17), KS-B-2(21-23), and KS-B-2(38-40). Positive results were observed for antimony and lead in the ICSA solution analysis associated with samples KS-B-1(26-28), KS-B-1(30-32), KS-MW1(13-15), KS-MW1(22-24), KS-MW1(28-29), KS-MW1(31-32), and KS-DUP-3. Positive results were observed for cadmium and negative results were observed for thallium in the ICSA solution analysis associated with sample KS-FB020504. The levels of interferents in samples were reviewed. Iron or calcium was present in samples KS-MW-3 (15-17) (58%), KS-B-2(38-40) (130%), and KS-MW-1(31-32) (58%) at greater than 50% that of the level in the ICSA solution. Professional judgement was used to accept results in which the estimated interference was less than 10% of the analyte level or in which the negative interference was less than one half the sample quantitation limit (QL). Interferences were calculated at the instrument (aqueous) level.

| Sample | Analyte | Sample Result (ug/L) | Estimated Interference (ug/L) | Actions |
|---|---|---|---|---|
| | | | | |

| Sample | Analyte | Sample Result (ug/L) | Estimated Interference (ug/L) | Actions |
|---|---|---|---|---|
| KS-MW-3 (15-17) | Antimony | 6 U | 7.9 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Cadmium | 5 U | -1.7 | No validation action required; interference <½ QL. |
| KS-B-2(38-40) | Antimony | 6 U | 17.7 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Cadmium | 5 U | -3.8 | Estimate (UJ21) the nondetect result; possible low bias. |
| KS-MW-1(31-32) | Antimony | 6 U | 10.7 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Lead | 12.8 | 4.6 | Estimate (J21) the positive result; possible low bias. |

## MS Results

The laboratory performed and reported matrix spike analyses on various non-project samples. Qualification of the data was not performed based on these results due to differences in sample type, matrix, etc.

The laboratory performed matrix spike analyses on project sample KS-B-4(22-24) for the metals analysis (reported in 205740), KS-MW-5(34-36) for the mercury analysis (reported in 205694), and samples KS-B-7(16.5-18) and KS-MW-5(16.5-18) for the cyanide analyses (reported in 205694). These matrix spike results were used to evaluate the accuracy for this sample group. The following table lists the analyte recoveries found outside of the control limits of 75-125% .

| Analyte | MS Sample | Recovery (%) | Validation Actions |
|---|---|---|---|
| Antimony | KS-B-4(22-24) | 32 | Estimate (UJ8) the nondetect results for antimony in all soil samples; possible low bias. |
| Potassium | KS-B-4(22-24) | 57 | Estimate (J8) the positive results for potassium in all soil samples; possible low bias. |
| Sodium | KS-B-4(22-24) | 147 | Estimate (J/UJ8) the positive and blank-qualified nondetect results for sodium in all soil samples; possible high bias. |

## Laboratory Duplicate Results

The laboratory performed and reported laboratory duplicate analyses on various non-project samples. Qualification of the data was not performed based on these results due to differences in sample type, matrix, etc.

A laboratory duplicate was performed on sample KS-DUP-3 for the cyanide analyses. The laboratory performed duplicate analyses on project sample KS-B-4(22-24) for the metals analysis (reported in

205740) and KS-MW-5(34-36) for the mercury analysis (reported in 205694). All criteria were met in these analyses.

**Field Duplicate Results**

The soil field duplicate pair of KS-MW-1(22-24) and KS-DUP-3 was submitted with this sample group. Analyte %RPDs were within the inorganic control limit of 100% or +/-2x quantitation limit (QL) for soil levels <5xQL.

**Laboratory Control Sample (LCS) Results**

All criteria were met in the metals and cyanide analyses.

**ICP Serial Dilution Results**

The laboratory performed an ICP serial dilution analysis on sample KS-DUP-3. All criteria were met.

**Moisture Content**

All criteria were met.

**Sample Quantitation and Data Assessment**

Sample calculations were spot-checked; no discrepancies were noted.

# Data Usability Summary Report

**Site:** Kingsbridge Station, Bronx, New York
**Laboratory:** Severn Trent Laboratories, Shelton, CT
**Report No.:** 205951
**Reviewer:** Lorie MacKinnon/GEI Consultants
**Date:** March 18, 2004

## Samples Reviewed and Evaluation Summary

| FIELD ID | LAB ID | FRACTIONS VALIDATED |
|---|---|---|
| MW-1 | 205951-01 | PCBs, Metals, Cyanide, Available Cyanide |
| MW-2 | 205951-02 | PCBs, Metals, Cyanide, Available Cyanide |
| MW-3 | 205951-03 | PCBs, Metals, Cyanide, Available Cyanide |
| MW-4S | 205951-04 | PCBs, Metals, Cyanide, Available Cyanide |
| MW-4D | 205951-05 | PCBs, Metals, Cyanide, Available Cyanide |
| MW-5S | 205951-06 | PCBs, Metals, Cyanide, Available Cyanide |
| MW-5D | 205951-07 | PCBs, Metals, Cyanide, Available Cyanide |
| MW-DUP | 205951-08 | PCBs, Metals, Cyanide, Available Cyanide |
| ER-1 | 205951-09 | PCBs, Metals, Cyanide, Available Cyanide |

Associated QC Samples: Field/Trip Blanks: ER-1
Field Duplicate pair: MW-1/MW-DUP

The above listed samples were collected on February 24 and 25, 2004 and were analyzed for polychlorinated biphenyls (PCBs) by SW-846 method 8082, metals by SW-846 methods 6010B/7471, and total and available cyanide by SW-846 method 9012. The data validation was based on the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8080A/8000A, SOP No. HW-23, Revision 0, April 1995 and the USEPA Region II Standard Operating Procedure (SOP) for the Evaluation of Metals Data for the Contract Laboratory Program, SOP No. HW-2, Revision 11, January 1992.

The organic data were evaluated based on the following parameters:

* · Data Completeness
* · Holding Times and Sample Preservation
* · Initial and Continuing Calibrations
* · Blanks
* · Surrogate Recoveries
· Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
* · Laboratory Control Sample (LCS) Results
* · Field Duplicate Results
· Quantitation Limits and Data Assessment
· Sample Quantitation and Compound Identification

* - All criteria were met.

NA - A field duplicate pair was not associated with this sample group.

All results were found to be usable.

The organic validation recommendations were based on the following information.

**Data Completeness**

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the PCB analyses.

**Holding Times and Sample Preservation**

All criteria were met in the PCB analyses.

**Initial and Continuing Calibrations**

All criteria were met in the PCB analyses.

**Blanks**

Contamination was not detected in the PCB method and instrument blanks. Contamination was not detected in the field blank sample.

**Surrogate Recoveries**

All criteria were met for the PCB analyses.

**MS/MSD Results**

An MS/MSD was not associated with this sample group. Validation action was not taken on this basis.

**LCS Results**

All criteria were met for the PCB analyses.

**Field Duplicate Results**

The field duplicate pair of MW-1 and MW-DUP was identified. All criteria were met.

**Quantitation Limits and Data Assessment**

Sample calculations were spot-checked; there were no errors noted.

Results were reported which were below the lowest calibration standard level (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified by the laboratory (J). These results were qualified as estimated (J5) due to uncertainty at the low end of calibration. Dilutions and reanalyses were not required.

## Sample Quantitation and Compound Identification

The following table lists the analytes which exhibited %Ds between the results from the two analytical columns which exceeded the acceptance criteria.

| Sample | Analyte | %D | Action |
|---|---|---|---|
| MW-2 | Aroclor 1260 | 46 | Estimate (J25) the positive result. |
| MW-5D | Aroclor 1260 | 33 | Estimate (J25) the positive result. |

Based on Region II validation guidelines, the evaluation of dual column differences is performed as follows:

| | |
|---|---|
| % Difference 25 - 70% | Estimate (J25) positive result. |
| % Difference 70 - 100% | Estimate (NJ25) the positive result as presumptively present. |
| % Difference >100% | Reject (R25) the positive result if no interference is present. |
| % Difference 100-200% (Interference) | Estimate (NJ25) the positive result as presumptively present. |
| % Difference >50% (value <CRQL) | Raise the value to the CRQL and qualify as nondetect (U25). |

Sample calculations were spot-checked; no discrepancies were noted.

The inorganic data were evaluated based on the following parameters:

Data Completeness
* Holding Times and Sample Preservation
* Instrument Calibration
Contract Required Detection Limit (CRDL) Standard Analysis
* Blank Analysis Results
Inductively Coupled Plasma (ICP) Interference Check Sample Results
* Matrix Spike (MS) Results
* Laboratory Duplicate Results
* Field Duplicate Results
* Laboratory Control Sample (LCS) Results
ICP Serial Dilution Results
* Sample Quantitation and Data Assessment

* All criteria were met for this parameter.

All results were found to be usable.

The validation recommendations were based on the following information.

**Data Completeness**

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the metals and cyanide analyses with the following exception: QC information and raw data was not present for the 03/04/04 ICP analysis. This information was requested from the laboratory on 03/17/04.

**Holding Times and Sample Preservation**

All criteria were met.

**Instrument Calibration**

All criteria were met.

**CRDL Standard Analysis**

A low level standard was analyzed for the ICP analyses. The following table lists the analytes which exhibited recoveries outside of the validation control limits of 80 - 120%. Based on Region II validation guidelines, the affected analyte level range is determined by the true value of the standard ± 2x the standard level.

| Analyte | Recovery | Associated Samples | Validation Actions |
|---|---|---|---|
| Potassium | 76%, 76% | All samples | Estimate (J14) the positive result for potassium in sample MW-4D; the result may be biased low. |

## Blank Analysis Results

All total metals instrument and method blank results were found to be less than the CRDL and method detection limits (MDLs).

Contamination was not detected in the field blank sample.

## ICP ICS Results

The following table lists the analytes recovered outside of control limits in the ICSAB analysis.

| Analyte | Recovery (%) | Associated Samples | Validation Actions |
|---|---|---|---|
| Thallium | 75, 69 | All samples | Estimate (UJ16) the nondetect results for thallium in samples MW-1, MW-3, MW-4S, and MW-DUP; results may be biased low. Validation action was not required for the remaining samples as interferent levels were less than 50% those of the ICSAB. |

Positive results were observed for cadmium and chromium and negative results were observed for thallium in the ICSA solution analyses associated with all samples. The levels of interferents in samples were reviewed. Calcium were present in samples MW-1 (73%), MW-3 (56%), MW-4S (50%), and MW-DUP (72%) at greater than 50% that of the level in the ICSA solution. Professional judgement was used to accept results in which the estimated interference was less than 10% of the analyte level or in which the negative interference was less than one half the sample quantitation limit (QL).

| Sample | Analyte | Sample Result (ug/L) | Estimated Interference (ug/L) | Actions |
|---|---|---|---|---|
| MW-1 | Cadmium | 1.1 U | 6.4 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Chromium | 7.5 | 2.0 | Estimate (J21) the positive result; possible high bias. |
| | Thallium | 10 U | -2.1 | No validation action; interference <½ sample QL. |
| MW-3 | Cadmium | 1.1 U | 4.8 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Chromium | 1.3 U | 1.6 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Thallium | 10 U | -2.1 | No validation action; interference <½ sample QL. |

| Sample | Analyte | Sample Result (ug/L) | Estimated Interference (ug/L) | Actions |
|---|---|---|---|---|
| MW-4S | Cadmium | 1.1 U | 4.4 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Chromium | 1.3 U | 1.4 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Thallium | 10 U | -1.4 | No validation action; interference <½ sample QL. |
| MW-DUP | Cadmium | 1.1 U | 6.3 | No validation action required; result was nondetect and therefore not affected by potential high bias. |
| | Chromium | 5.9 | 2.0 | Estimate (J21) the positive result; possible high bias. |
| | Thallium | 10 U | -2.0 | No validation action; interference <½ sample QL. |

## MS Results

A matrix spike analysis was performed on sample MW-1 for the mercury and cyanide analyses. The laboratory performed a matrix spike analysis on a non-project sample for the ICP analyses. All criteria were met.

## Laboratory Duplicate Results

A laboratory duplicate analysis was performed on sample MW-1 for the mercury and cyanide analyses. The laboratory performed a duplicate analysis on a non-project sample for the ICP analyses. All criteria were met.

## Field Duplicate Results

The field duplicate pair of MW-1 and MW-DUP was submitted with this sample group. All criteria were met.

## Laboratory Control Sample (LCS) Results

All criteria were met in the metals and cyanide analyses.

## ICP Serial Dilution Results

The laboratory performed an ICP serial dilution analysis on sample MW-DUP. The following table lists the analyte percent differences (%Ds) outside of the control limits in the ICP serial dilution analysis.

| Analyte | %D | Validation Actions |
|---|---|---|
| Calcium | 13.5% | Estimate (J19) the positive results for calcium in samples MW-1, MW-2, MW-3, MW-4S, MW-4D, MW-5S, MW-5D, and MW-DUP. |

## Sample Quantitation and Data Assessment

Sample calculations were spot-checked; no discrepancies were noted.

# Data Usability Summary Report

**Site:** Kingsbridge Station, Bronx, New York
**Laboratory:** Severn Trent Laboratories, Shelton, CT
**Report No.:** 205951
**Reviewer:** Lorie MacKinnon/GEI Consultants
**Date:** March 18, 2004

## Samples Reviewed and Evaluation Summary

| FIELD ID | LAB ID | FRACTIONS VALIDATED |
|---|---|---|
| MW-1 | 205951-01 | VOC, SVOC |
| MW-2 | 205951-02 | VOC, SVOC |
| MW-3 | 205951-03 | VOC, SVOC |
| MW-4S | 205951-04 | VOC, SVOC |
| MW-4D | 205951-05 | VOC, SVOC |
| MW-5S | 205951-06 | VOC, SVOC |
| MW-5D | 205951-07 | VOC, SVOC |
| MW-DUP | 205951-08 | VOC, SVOC |
| ER-1 | 205951-09 | VOC, SVOC |
| Trip Blank | 205951-10 | VOC |

Associated QC Samples: Field/Trip Blanks: ER-1, Trip Blank
Field Duplicate pair: MW-1/MW-DUP

The above listed samples were collected on February 24 and 25, 2004 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B and semivolatile organic compounds (SVOCs) by SW-846 method 8270C. The data validation was based on the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8260B, SOP No. HW-24, Revision 1, June 1999 and USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Acquired using SW-846 Method 8270C, SOP No. HW-22, Revision 2, June 2001.

The organic data were evaluated based on the following parameters:

* · Data Completeness
* · Holding Times and Sample Preservation
* · Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
· Initial and Continuing Calibrations
· Blanks
* · Surrogate Recoveries
· Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
* · Internal Standards
· Laboratory Control Sample (LCS) Results
* · Field Duplicate Results

| | | |
|---|---|---|
| | · | Quantitation Limits and Data Assessment |
| * | · | Sample Quantitation and Compound Identification |

| | | |
|---|---|---|
| * | - | All criteria were met. |

All results were found to be usable.

The organic validation recommendations were based on the following information.

## Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP Category B deliverables for the VOC and SVOC analyses.

## Holding Times and Sample Preservation

All criteria were met in the VOC and SVOC analyses.

## GC/MS Tunes

All criteria were met in the VOC and SVOC analyses.

## Initial and Continuing Calibrations

Compounds that did not meet criteria in the VOC and SVOC initial and continuing calibrations are summarized in the following tables.

| Instrument ID<br>MSL<br>Compound | IC<br>2/18/04 | CC<br>2/28/04 | CC<br>3/01/04 |
|---|---|---|---|
| bromomethane | X (31.9%) | | XX (20.6%) |
| acetone | X (38.8%) | XX (20.9%) | |
| chloroethane | | XX (23.2%) | |
| 2-butanone | | | XX (22.9%) |
| 2-hexanone | | | XX (23.6%) |
| Samples Affected | All samples | MW-2, MW-3, MW-4S, MW-4D, MW-5S, MW-5D, MW-DUP, ER-1, Trip Blank | MW-1 |

Kingsbridge Station, Project 031510

| Instrument ID<br>MSP<br>Compound | IC<br>03/01/04 | CC<br>01/20/04 |
|---|---|---|
| 2,4-dinitrophenol | X (18.2%) | XX (22.2%) |
| pentachlorophenol | X (16.6%) | |
| benzoic acid | X (29.4%) | XX (22.8%) |
| hexachlorocyclopentadiene | | XX (32.6%) |
| Samples Affected | All samples listed | All samples |

X = Initial calibration (IC) relative standard deviation (%RSD) > 15; estimate (J3) positive and (UJ3) blank-qualified nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ4) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J4) positive results and reject (R4) nondetect results.
+ = Response factor (RRF) < 0.05; Estimate (J2) positive results and reject (R2) nondetect results.

The positive and blank-qualified nondetect results for acetone in samples MW-2 and ER-1 were estimated (J/UJ3) due to initial calibration nonconformances. Validation actions were not required for the remaining compounds due to initial calibration nonconformances as the results were nondetect.

The following results were qualified as estimated (J/UJ4) due to continuing calibration nonconformances: chloroethane and acetone in samples MW-2, MW-3, MW-4S, MW-4D, MW-5S, MW-5D, MW-DUP, ER-1, Trip blank; bromomethane, 2-butanone, and 2-hexanone in sample MW-1; and benzoic acid, hexachlorocyclopentadiene, and 2,4-dinitrophenol in all samples. The direction of the bias cannot be determined from these nonconformances.

## Blanks

The following table summarizes the method and field blank contamination in the VOC and SVOC analyses.

| Compound | Type of Blank | Associated Samples | Maximum Concentration | Blank Action Level |
|---|---|---|---|---|
| Methylene chloride | Field blank ER-1 | All samples | 1 ug/L | 10 ug/L |
| Acetone | Field blank ER-1 | All samples | 3 ug/L | 3 ug/L |
| Bis(2-ethylhexyl)phthalate | Method blank | All samples | 0.5 ug/L | 5 ug/L |

Blank Actions

If the sample concentration ≤ QL and ≤ blank action level, qualify the result as not detected (U6) at the QL.
If the sample concentration > QL and ≤ blank action level, qualify the result as not detected (U6) at the reported value.
If the sample concentration > blank action level, report the value unqualified.

Based on the action levels determined, the positive results for bis(2-ethylhexyl)phthalate in samples MW-1, MW-5D, and MW-DUP were qualified as nondetect (U6) due to method blank contamination. The positive result for acetone in sample MW-2 was qualified as nondetect (U6) due to field blank contamination.

## Surrogate Recoveries

All criteria were met in the VOC and SVOC analyses.

## MS/MSD Results

An MS/MSD analysis was not associated with the VOC and SVOC analyses. Validation action was not required on this basis.

## Internal Standards

All criteria were met in the VOC and SVOC analyses

## LCS Results

The following table lists the compound recoveries found outside of the validation control limits of 60 - 140% or laboratory established control limit (if tighter) in the LCS analyses and the resultant actions in the VOC and SVOC analyses.

| Compound | Recovery | Control Limits | Associated Samples | Actions |
|---|---|---|---|---|
| bromomethane<br>acetone<br>2-butanone | 143%<br>168%<br>172% | 60-140 | MW-1 | Validation action was not required; the affected results were nondetect and therefore not affected by the potential high bias. |
| phenol<br>hexachloroethane<br>benzoic acid<br>2,4-dimethylphenol<br>4-nitrophenol | 28%<br>59%<br>14%<br>42%<br>37% | 60-140<br>60-140<br>60-140<br>60-140<br>60-140 | All samples | Estimate (J/UJ9) the positive and nondetect results for the affected analytes in all samples; results may be biased low. |

## Field Duplicate Results

The field duplicate pair of MW-1 and MW-DUP was submitted with this sample group. All VOC

and SVOC results were nondetect.

## Quantitation Limits and Data Assessment

Results were reported which were below the lowest calibration standard level (RL) and above the method detection limit (MDL) in the VOC and SVOC analyses. These results were qualified by the laboratory (J). These results were qualified as estimated (J5) due to uncertainty at the low end of calibration.

Dilutions and reanalyses were not required.

## Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

# Appendix D

## Photographic Documentation

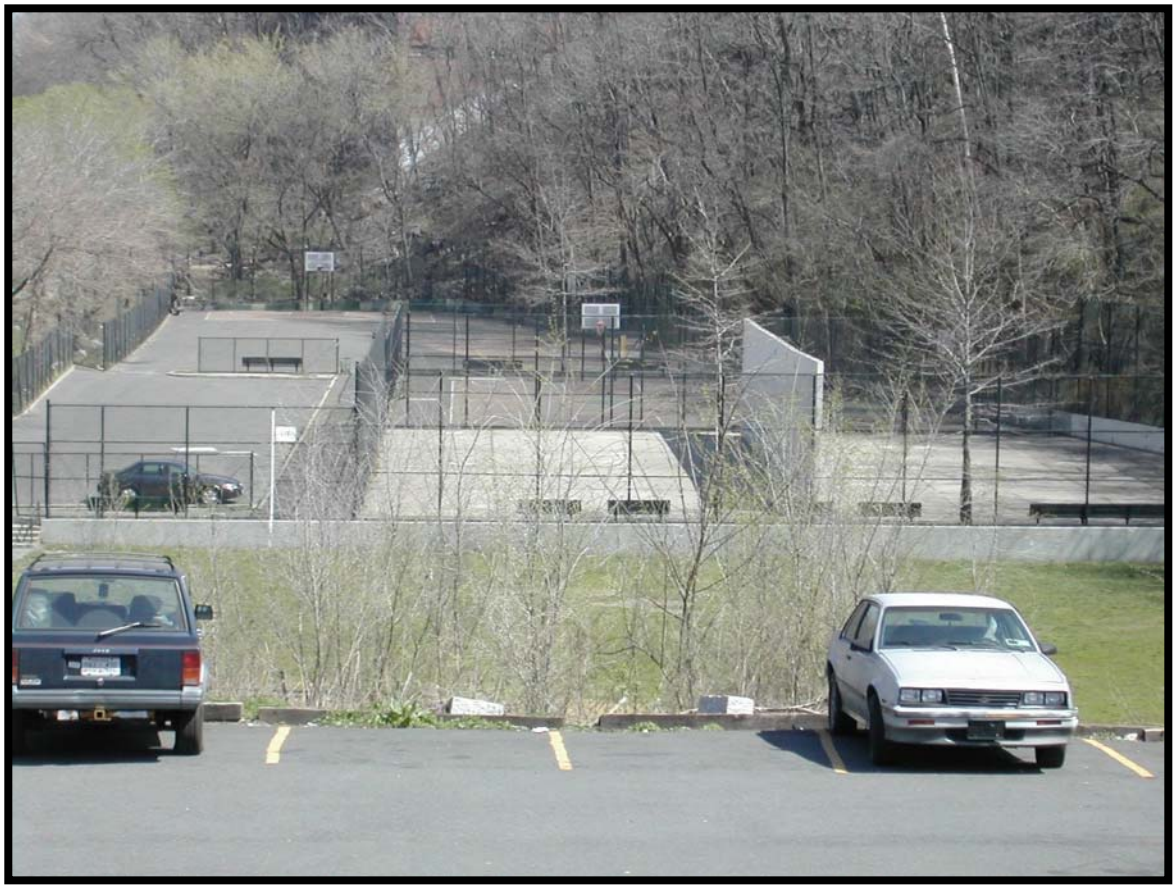

**PHOTO 1**
Facing north from upper parking lot on Landing Road.

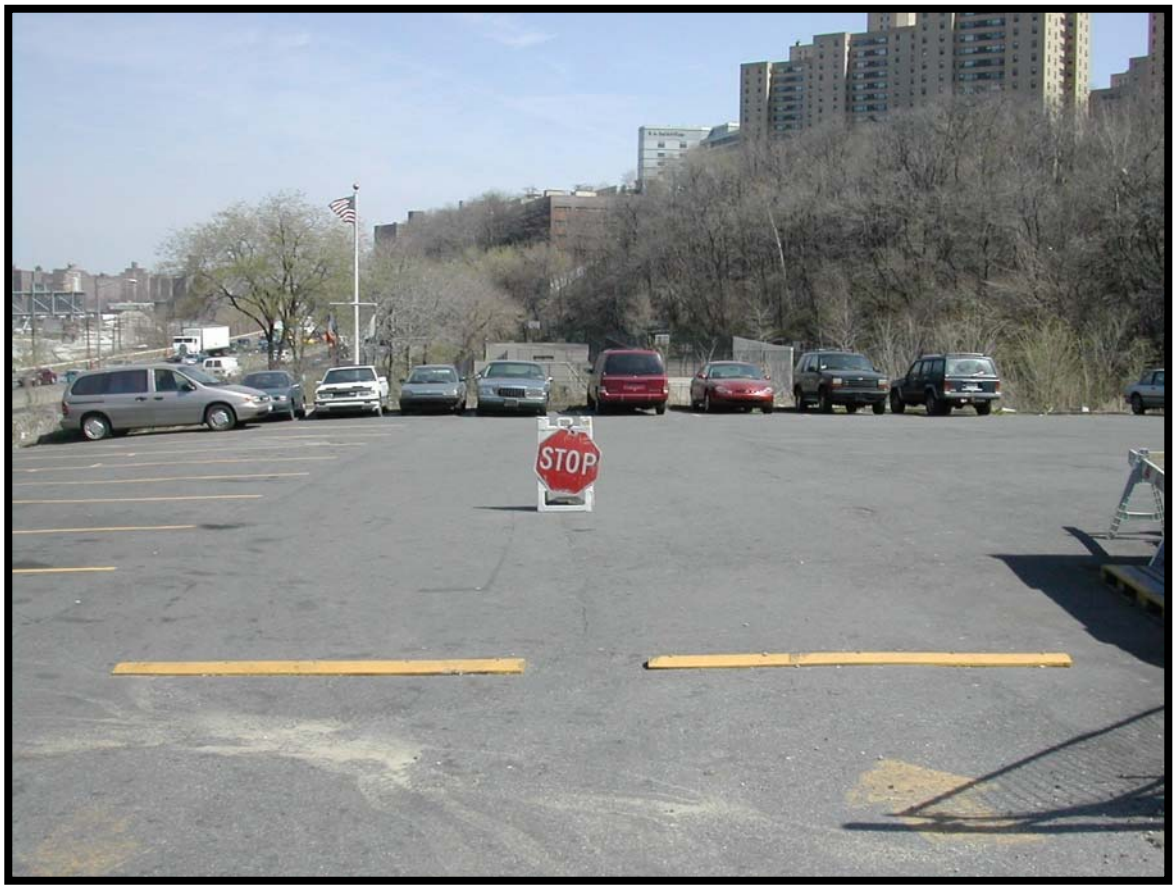


**PHOTO 2**
Landing Road upper parking lot, facing north.

**PHOTO 3**
Facing south along park entrance road, baseball field on east side.

**PHOTO 4**
Facing south from centerfield, fill slope and upper parking lot is visible south of baseball field.

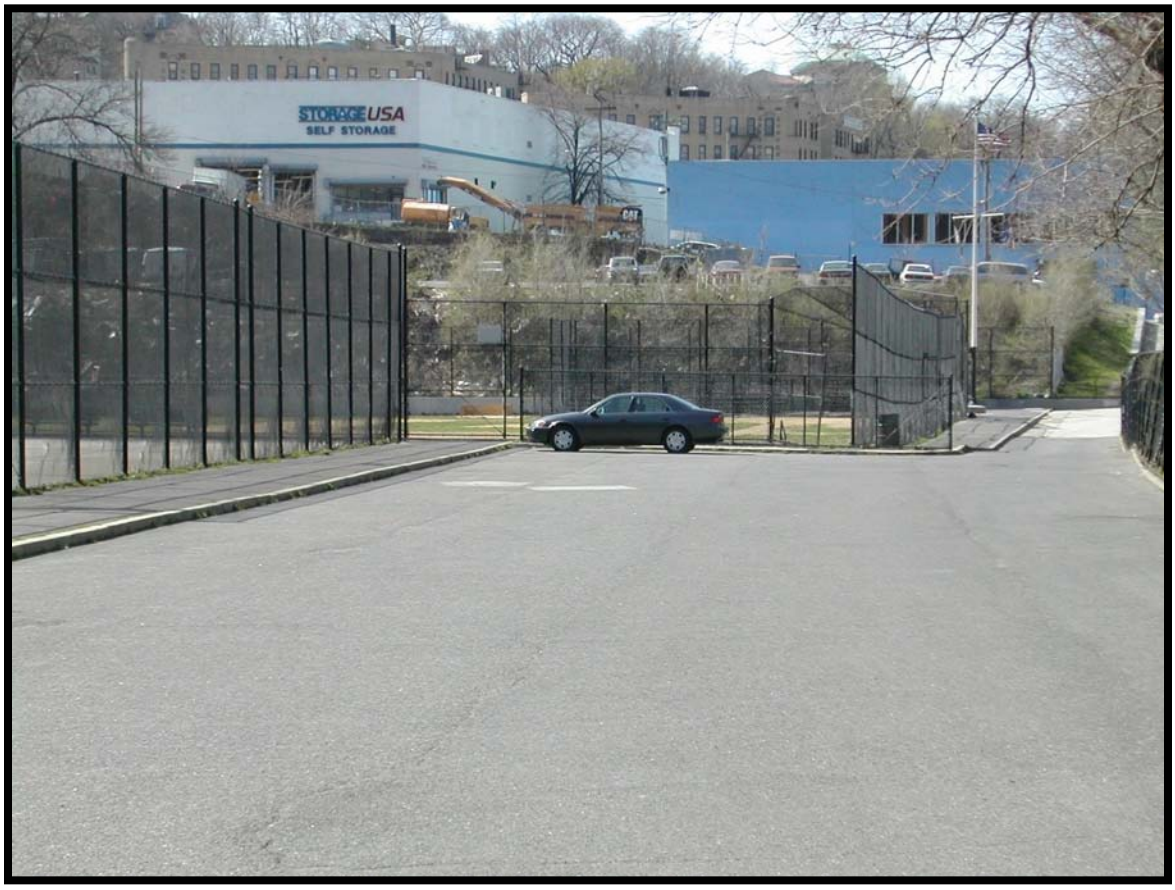


**PHOTO 5**

Facing south towards Landing Road, handball courts are to the east.

**PHOTO 6**

Facing north towards basketball courts, handball courts are to the east and the Major Deegan Expressway is to the west.

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**PHOTO 7**
Facing north towards basketball courts.

**PHOTO 8**
Drilling activities in basketball court area.

**PHOTO 9**
Drilling activities west of handball courts.

**PHOTO 10**
Drilling activities in baseball field.

# APPENDIX C

**New York State Department of Environmental Conservation**
**Division of Environmental Enforcement**
**Bureau of Superfund and Brownfield Restoration**
625 Broadway, 14th Floor
Albany, New York 12233-5550
**Phone:** (518) 402-9512 • **FAX:** (518) 402-9019
**Website:** www.dec.state.ny.us

Denise M. Sheehan
Acting
Commissioner

September 12, 2005

Michael A. Wilcken, Esq.
Law Department
Consolidated Edison Company of New York, Inc
4 Irving Place
New York, NY 10003

Re: Voluntary Cleanup Site
Kingsbridge Holder Station
Bronx, NY # V00559

Dear Mr. Wilcken:

Unless otherwise specified in this letter, all terms used herein shall have the meaning assigned to them under the terms of the Voluntary Agreement entered into between the New York State Department of Environmental Conservation (the "Department") and Consolidated Edison Company of New York, Inc. ("Volunteer"), Index No. D2-0003-02-08 (the "Agreement").

The Department is pleased to report that the Department is satisfied that the Agreement's approved Work Plan relative to the Site, located at 233 Landing Road in the City of New York, Bronx County, further identified as block 3236, lots 24 and 45, a map of which is attached hereto as Appendix "A" (the "Site"), has been successfully implemented.

**Assignable Release and Covenant Not To Sue**:

The Department, therefore, hereby releases, covenants not to sue, and shall forbear from bringing any action, proceeding, or suit pursuant to the Environmental Conservation Law, the Navigation Law or State Finance Law, and from referring to the Attorney General any claim for recovery of costs incurred by the Department, against Volunteer and Volunteer's lessees and sublesses, grantees, successors and assigns, and their respective secured creditors, for the further investigation and remediation of the Site, based upon the release or threatened release of Covered Contamination, provided that (a) timely payments of the amounts specified in Paragraph VI of the Agreement continue to be or have been made to the Department, (b) appropriate deed restrictions remain recorded in accordance with Paragraphs X of the Agreement, and (c) Volunteer and/or its lessees, sublessees, successors, or assigns promptly commence and diligently pursue to completion the Work Plan providing for OM&M, if any. Nonetheless, the Department hereby reserves all of its respective rights concerning, and such release, covenant not to sue, and forbearance shall not

extend to natural resource damages nor any further investigation or remedial action the Department deems necessary:

(i) due to migration off-Site of contaminants resulting in impacts to environmental resources, to human health, or to other biota that are not inconsequential and to the off-Site migration of petroleum

(ii) due to environmental conditions or information related to the Site which were unknown to the Department at the time this Release and Covenant not to Sue was issued and which indicate that the Contemplated Use cannot be implemented with sufficient protection of human health and the environment;

(iii) due to Volunteer's failure to implement the Agreement to the Department's satisfaction;

(iv) due to fraud committed by Volunteer in entering into or implementing this Agreement.

Additionally, the Department hereby reserves all of its rights concerning, and any such release, covenant not to sue, and forbearance shall not extend to Volunteer nor to any of Volunteer's lessees, sublessees, successors, or assigns who cause or allow a release or threat of release at the Site of any hazardous substance (as that term is defined at 42 USC 9601[14]) or petroleum (as that term is defined in Navigation Law Section 172[15]), other than Covered Contamination; or or cause or allow the use of the Site to change from the Contemplated Uses to one requiring a lower level of residual contamination before that use can be implemented with sufficient protection of human health and the environment; nor to any of Volunteer's lessees, sublessees, successors, or assigns who is otherwise a party responsible under law for the remediation of the Existing Contamination independent of any obligation that party may have respecting same established resulting solely from the Agreement's execution or such lessee's, sublessee's, successor's, or assign's present ownership or operation of the Site.

Notwithstanding the above, however, with respect to any claim or cause of action asserted by the Department, the one seeking the benefit of this release, covenant not to sue, and forbearance shall bear the burden of proving that the claim or cause of action, or any part thereof, is attributable solely to Covered Contamination.

Notwithstanding any other provision in this release, covenant not to sue, and forbearance,

- if with respect to the Site there exists or may exist a claim of any kind or nature on the part of the New York State Environmental Protection and Spill Compensation Fund against any party, nothing in this release shall be construed, or deemed, to preclude the State of New York from recovering such claim.

- except as provided in this letter and in this Agreement, nothing contained in the Agreement or in this letter shall be construed as barring, diminishing, adjudicating, or in any way affecting any of the Department's rights (including, but not limited to, the right to recover natural resources damages) with respect to any party, including Volunteers.

- nothing contained in this letter shall prejudice any rights of the Department to take any investigatory or remedial action it may deem necessary if Volunteer fails to comply with the Agreement or if contamination other than Existing Contamination is encountered at the Site.

- nothing contained in this letter shall be construed to prohibit the Commissioner or her duly authorized representative from exercising any summary abatement powers.

- nothing contained in this letter shall be construed to affect the Department's right to terminate the Agreement under the terms of the Agreement at any time during its implementation if Volunteer fails to comply substantially with the Agreement's terms and conditions.

In conclusion, the Department is pleased to be part of this effort to return the Site to productive use of benefit to the entire community.

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

By: _____
Anthony B. Quartararo
Bureau Chief
Bureau of Superfund and Brownfield Restoration

cc: E. Armater
T. Kunkel
D. Walsh
B. Schick
G. Laccetti, DOH

edms 210491

# APPENDIX D

# GEOPROBE LOG

**GZA GeoEnvironmental, Inc.**
*Engineers and Scientists*

**233 Landing Road**
**Bronx, NY**

**EXPLORATION NO.:** GZA-1
**SHEET:** 1 of 1
**PROJECT NO:** 12.0076232.00
**REVIEWED BY:** B. Engard

**Logged By:** M. Matone
**Drilling Co.:** EG&R
**Foreman:** J. Cesaro

**Geoprobe Location:** See Plan
**Ground Surface Elev. (ft.):**
**Final Geoprobe Depth (ft.):** 13
**Date Start - Finish:** 4/24/2014 - 4/24/2014

**H. Datum:**
**V. Datum:**

**Type of Rig:** Geoprobe
**Rig Model:** 7822DT
**Drilling Method:** Direct Push

**Sampler Type:**
**Sampler O.D. (in.):**
**Sampler Length (in.):**
**Rock Core Size:**

| Groundwater Depth (ft.) | | | |
|---|---|---|---|
| Date | Time | Water Depth | Stab. Time |
| | | | |

| Depth (ft) | Sample No. | Sample Depth (ft.) | Pen. (in) | Rec. (in) | PID (ppm) | Sample Description Modified Burmister | Remark | Elev. (ft.) | Stratum Description | Depth (ft.) |
|---|---|---|---|---|---|---|---|---|---|---|
| | S-1 | 0-5 | 60 | 30 | | S-1: 2" Asphalt, brown Silty SAND with Gravel, FILL, dry. | | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | 0.0 | | 1 | | | |
| 4 | | | | | | | | | | |
| 5 | S-2 | 5-10 | 60 | 30 | | S-2: Gray-brown, fine to coarse SAND and GRAVEL, dry. | 2 | | FILL | |
| 6 | | | | | | | | | | |
| 7 | | | | | 0.0 | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | S-3 | 10-13 | 60 | 24 | | S-3: Weathered Bedrock, Bedrock/Boulder, dry. | 3 | | | 10 |
| 11 | | | | | | | | | WEATHERED BEDROCK | |
| 12 | | | | | 0.0 | | | | | 12 |
| 13 | | | | | | | | | BEDROCK/BOULDER | 13 |
| | | | | | | End of Exploration at 13 feet bgs. | 4 | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |
| 17 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 19 | | | | | | | | | | |
| 20 | | | | | | | | | | |

**REMARKS**

1 - Sampled soils GZA-1 (0.5-1.5' bgs) PCBs, VOCs, TAL Metals.
2 - Installed soil gas point SG-1 at 5' bgs.
3 - Sampled soils GZA-1 (10-11' bgs) PCBs, SVOCs, TAL Metals.
4 - Refusal at 13' bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

**GZA-1**

GZA TEMPLATE GEOPROBE; 5/15/2014; 12:38:21 PM

# GEOPROBE LOG

**GZA GeoEnvironmental, Inc.**
*Engineers and Scientists*

**233 Landing Road**
**Bronx, NY**

**EXPLORATION NO.:** GZA-2
**SHEET:** 1 of 1
**PROJECT NO:** 12.0076232.00
**REVIEWED BY:** B. Engard

**Logged By:** M. Matone
**Drilling Co.:** EG&R
**Foreman:** J. Cesaro

**Geoprobe Location:** See Plan
**Ground Surface Elev. (ft.):**
**Final Geoprobe Depth (ft.):** 14
**Date Start - Finish:** 4/24/2014 - 4/24/2014

**H. Datum:**
**V. Datum:**

**Type of Rig:** Geoprobe
**Rig Model:** 7822DT
**Drilling Method:** Direct Push

**Sampler Type:**
**Sampler O.D. (in.):**
**Sampler Length (in.):**
**Rock Core Size:**

| Groundwater Depth (ft.) | | | |
|---|---|---|---|
| Date | Time | Water Depth | Stab. Time |
| | | | |

| Depth (ft) | Sample No. | Sample Depth (ft.) | Pen. (in) | Rec. (in) | PID (ppm) | Sample Description Modified Burmister | Remark | Elev. (ft.) | Stratum Description | Depth (ft.) |
|---|---|---|---|---|---|---|---|---|---|---|
| | S-1 | 0-5 | 60 | 30 | | S-1: Asphalt, brown/gray/tan, fine to coarse SAND, brick, FILL, dry. | | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | 0.0 | | 1 | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| | S-2 | 5-10 | 60 | 18 | | S-2: Medium dense to loose, medium SAND with pebbles and gravel, dry. | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | 0.0 | | | | FILL | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| | S-3 | 10-14 | 60 | 8 | | S-3: Black/dark-green GRAVEL with Sand, wood fragments, wet. | 2 | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | 0.0 | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | 14 |
| | | | | | | End of Exploration at 14 feet bgs. | 3 | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |
| 17 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 19 | | | | | | | | | | |
| 20 | | | | | | | | | | |

**REMARKS**

1 - Sample GZA-2 (0.5-1.5') bgs PCBs, SVOCs, TAL Metals.
2 - Sample GZA-2 (10-11' bgs) PCBs, VOCs, TAL Metals.
3 - Refusal at 14 ' bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

**GZA-2**

GZA TEMPLATE GEOPROBE; 5/15/2014; 12:38:22 PM

# GEOPROBE LOG

**GZA GeoEnvironmental, Inc.**
*Engineers and Scientists*

**233 Landing Road**
**Bronx, NY**

**EXPLORATION NO.:** GZA-3
**SHEET:** 1 of 1
**PROJECT NO:** 12.0076232.00
**REVIEWED BY:** B. Engard

**Logged By:** M. Matone
**Drilling Co.:** EG&R
**Foreman:** J. Cesaro

**Geoprobe Location:** See Plan
**Ground Surface Elev. (ft.):**
**Final Geoprobe Depth (ft.):** 13
**Date Start - Finish:** 4/24/2014 - 4/24/2014

**H. Datum:**
**V. Datum:**

**Type of Rig:** Geoprobe
**Rig Model:** 7822DT
**Drilling Method:** Direct Push

**Sampler Type:**
**Sampler O.D. (in.):**
**Sampler Length (in.):**
**Rock Core Size:**

| Groundwater Depth (ft.) | | | |
|---|---|---|---|
| Date | Time | Water Depth | Stab. Time |
| | | | |

| Depth (ft) | Sample No. | Sample Depth (ft.) | Pen. (in) | Rec. (in) | PID (ppm) | Sample Description Modified Burmister | Remark | Elev. (ft.) | Stratum Description | Depth (ft.) |
|---|---|---|---|---|---|---|---|---|---|---|
| | S-1 | 0-5 | 60 | 30 | | S-1: Gray-brown GRAVEL and fine to coarse SAND, FILL, dry. | | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | 0.0 | | 1 | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| | S-2 | 5-10 | 60 | 18 | | S-2: GRAVEL, some Sand, brick, FILL, dry. | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | 0.0 | | | | FILL | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| | S-3 | 10-13 | 60 | 4 | | S-3: GRAVEL, some Sand, FILL, dry. | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | 0.0 | | | | | |
| 13 | | | | | | | | | | 13 |
| | | | | | | End of Exploration at 13 feet bgs. | 2 | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |
| 17 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 19 | | | | | | | | | | |
| 20 | | | | | | | | | | |

**REMARKS**

1 - GZA-3 (0.5-1.5' bgs) collected for PCBs, SVOCs, TAL Metals.
2 - Refusal at 13' bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

**GZA-3**

GZA TEMPLATE GEOPROBE; 5/15/2014; 12:38:23 PM

# GEOPROBE LOG

**GZA GeoEnvironmental, Inc.**
*Engineers and Scientists*

**233 Landing Road**
**Bronx, NY**

**EXPLORATION NO.:** GZA-4
**SHEET:** 1 of 1
**PROJECT NO:** 12.0076232.00
**REVIEWED BY:** B. Engard

**Logged By:** M. Matone
**Drilling Co.:** EG&R
**Foreman:** J. Cesaro

**Geoprobe Location:** See Plan
**Ground Surface Elev. (ft.):**
**Final Geoprobe Depth (ft.):** 11.5
**Date Start - Finish:** 4/24/2014 - 4/24/2014

**H. Datum:**
**V. Datum:**

**Type of Rig:** Geoprobe
**Rig Model:** 7822DT
**Drilling Method:** Direct Push

**Sampler Type:**
**Sampler O.D. (in.):**
**Sampler Length (in.):**
**Rock Core Size:**

| Groundwater Depth (ft.) | | | |
|---|---|---|---|
| Date | Time | Water Depth | Stab. Time |
| | | | |

| Depth (ft) | Sample No. | Sample Depth (ft.) | Pen. (in) | Rec. (in) | PID (ppm) | Sample Description Modified Burmister | Remark | Elev. (ft.) | Stratum Description | Depth (ft.) |
|---|---|---|---|---|---|---|---|---|---|---|
| | S-1 | 0-5 | 60 | 30 | | S-1: Asphalt, crushed stone, FILL. | | | | |
| 1 | | | | | | | 1 | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | 0.0 | | | | | |
| 4 | | | | | | | 11.5 | | | |
| 5 | | | | | | | | | | |
| | S-2 | 5-10 | 60 | 30 | | S-2: Gray-tan, fine to coarse SAND and GRAVEL. | | | | |
| 6 | | | | | | | | | FILL | |
| 7 | | | | | 0.0 | | | | | |
| 8 | | | | | | | 2 | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| | S-3 | 10-11.5 | 60 | 8 | | S-3: Brown, fine to medium SAND, some Gravel, some Silt, Mica. | | | | |
| 11 | | | | | 0.0 | | | | | 11.5 |
| 12 | | | | | | End of Exploration at 11.5 feet bgs. | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |
| 17 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 19 | | | | | | | | | | |
| 20 | | | | | | | | | | |

**REMARKS**

1 - Sample GZA-4 collected (0.5-1.5' bgs) PCBS, SVOCs, TAL Metals.
11.5 - Refusal at 11.5' bgs.
2 - Drill rod broke while driving to 10'; step off and finish drilling.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

**GZA-4**

GZA TEMPLATE GEOPROBE; 5/15/2014; 12:38:24 PM

# APPENDIX E

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1408689 |
| Client: | GZA GeoEnvironmental, Inc.<br>55 Lane Road<br>Suite 407<br>Fairfield, NJ 07004 |
| ATTN: | Benjamin Alter |
| Phone: | (973) 774-3300 |
| Project Name: | 233 LANDING RD |
| Project Number: | 12.0076232.00 |
| Report Date: | 05/01/14 |

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Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1408689-01 | GZA-1 0.5-1.5 | 233 LANDING RD. BRONX, NY | 04/24/14 09:05 |
| L1408689-02 | GZA-1 10-11 | 233 LANDING RD. BRONX, NY | 04/24/14 09:15 |
| L1408689-03 | GZA-2 0.5-1.5 | 233 LANDING RD. BRONX, NY | 04/24/14 09:35 |
| L1408689-04 | GZA-2 10-11 | 233 LANDING RD. BRONX, NY | 04/24/14 09:40 |
| L1408689-05 | GZA-3 0.5-1.5 | 233 LANDING RD. BRONX, NY | 04/24/14 10:25 |
| L1408689-06 | GZA-4 0.5-1.5 | 233 LANDING RD. BRONX, NY | 04/24/14 10:40 |
| L1408689-07 | TW-1 | 233 LANDING RD. BRONX, NY | 04/24/14 11:30 |
| L1408689-08 | FIELD BLANK | 233 LANDING RD. BRONX, NY | 04/24/14 12:00 |
| L1408689-09 | TRIP BLANK | 233 LANDING RD. BRONX, NY | 04/24/14 00:00 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689
**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

**Project Name:** 233 LANDING RD **Lab Number:** L1408689
**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

**Case Narrative (continued)**

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L1408689-06 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

Total Metals

L1408689-01 through -06 have elevated detection limits for all elements, with the exception of mercury, due to the analytical dilutions required by matrix interferences encountered during analysis.

L1408689-08: The Field Blank has a concentration above the reporting limit for zinc.

The WG685494-4 MS recoveries for aluminum (1760%), calcium (717%), iron (3520%), magnesium (540%), manganese (164%), and potassium (305%), performed on L1408689-01, do not apply because the sample concentration is greater than four times the spike amount added.

The WG685494-4 MS recovery, performed on L1408689-01, is outside the acceptance criteria for thallium (73%). A post digestion spike was performed and was within acceptance criteria.

The WG685494-3 Laboratory Duplicate RPDs, performed on L1408689-01, are outside the acceptance criteria for aluminum (26%), cobalt (29%), copper (23%), lead (71%), and manganese (24%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the Laboratory Duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 05/01/14

# ORGANICS

# VOLATILES

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-07 | Date Collected: | 04/24/14 11:30 |
| Client ID: | TW-1 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | | |
| Analytical Method: | 1,8260C | | |
| Analytical Date: | 04/29/14 15:00 | | |
| Analyst: | PD | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloroform | 4.5 | | ug/l | 2.5 | 0.70 | 1 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.13 | 1 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 | 1 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.14 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.33 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.14 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-07 Date Collected: 04/24/14 11:30

Client ID: TW-1 Date Received: 04/24/14

Sample Location: 233 LANDING RD. BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | 6.0 | | ug/l | 5.0 | 1.0 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Naphthalene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dioxane | ND | | ug/l | 250 | 41. | 1 |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 | 1 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-07 | Date Collected: | 04/24/14 11:30 |
| Client ID: | TW-1 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.65 | 1 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 84 | | 70-130 |
| Dibromofluoromethane | 101 | | 70-130 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-09 | Date Collected: | 04/24/14 00:00 |
| Client ID: | TRIP BLANK | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | | |
| Analytical Method: | 1,8260C | | |
| Analytical Date: | 04/29/14 14:30 | | |
| Analyst: | PD | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 | 1 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.13 | 1 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 | 1 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.14 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.33 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.14 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.17 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-09 Date Collected: 04/24/14 00:00

Client ID: TRIP BLANK Date Received: 04/24/14

Sample Location: 233 LANDING RD. BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Naphthalene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dioxane | ND | | ug/l | 250 | 41. | 1 |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 | 1 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-09 | Date Collected: | 04/24/14 00:00 |
| Client ID: | TRIP BLANK | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.65 | 1 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | | 70-130 |
| Toluene-d8 | 103 | | 70-130 |
| 4-Bromofluorobenzene | 86 | | 70-130 |
| Dibromofluoromethane | 101 | | 70-130 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/14 10:00
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG685909-3 | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 |
| 2-Chloroethylvinyl ether | ND | | ug/l | 10 | 0.70 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.13 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.14 |
| Benzene | ND | | ug/l | 0.50 | 0.16 |
| Toluene | ND | | ug/l | 2.5 | 0.70 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.33 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.14 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.17 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/14 10:00
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG685909-3 | | | | | |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 |
| Diisopropyl Ether | ND | | ug/l | 2.0 | 0.65 |
| Tert-Butyl Alcohol | ND | | ug/l | 10 | 1.2 |
| Styrene | ND | | ug/l | 2.5 | 0.70 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 |
| Acetone | ND | | ug/l | 5.0 | 1.0 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.0 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/14 10:00
Analyst: PD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG685909-3 | | | | | |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 |
| Naphthalene | ND | | ug/l | 2.5 | 0.70 |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl Acetate | ND | | ug/l | 2.0 | 0.23 |
| Ethyl Acetate | ND | | ug/l | 10 | 0.70 |
| Cyclohexane | ND | | ug/l | 10 | 0.24 |
| Ethyl-Tert-Butyl-Ether | ND | | ug/l | 2.5 | 0.70 |
| Tertiary-Amyl Methyl Ether | ND | | ug/l | 2.0 | 0.28 |
| 1,4-Dioxane | ND | | ug/l | 250 | 41. |
| Freon-113 | ND | | ug/l | 2.5 | 0.70 |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.65 |
| Tetrahydrofuran | ND | | ug/l | 5.0 | 1.5 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 |
| Methyl cyclohexane | ND | | ug/l | 10 | 0.29 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 85 | | 70-130 |
| Dibromofluoromethane | 102 | | 70-130 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG685909-1 WG685909-2 | | | | | | | | |
| Methylene chloride | 105 | | 103 | | 70-130 | 2 | | 20 |
| 1,1-Dichloroethane | 111 | | 107 | | 70-130 | 4 | | 20 |
| Chloroform | 113 | | 109 | | 70-130 | 4 | | 20 |
| 2-Chloroethylvinyl ether | 79 | | 84 | | 70-130 | 6 | | 20 |
| Carbon tetrachloride | 107 | | 102 | | 63-132 | 5 | | 20 |
| 1,2-Dichloropropane | 108 | | 106 | | 70-130 | 2 | | 20 |
| Dibromochloromethane | 91 | | 91 | | 63-130 | 0 | | 20 |
| 1,1,2-Trichloroethane | 100 | | 102 | | 70-130 | 2 | | 20 |
| Tetrachloroethene | 102 | | 96 | | 70-130 | 6 | | 20 |
| Chlorobenzene | 101 | | 98 | | 75-130 | 3 | | 20 |
| Trichlorofluoromethane | 111 | | 106 | | 62-150 | 5 | | 20 |
| 1,2-Dichloroethane | 102 | | 103 | | 70-130 | 1 | | 20 |
| 1,1,1-Trichloroethane | 110 | | 105 | | 67-130 | 5 | | 20 |
| Bromodichloromethane | 99 | | 98 | | 67-130 | 1 | | 20 |
| trans-1,3-Dichloropropene | 102 | | 104 | | 70-130 | 2 | | 20 |
| cis-1,3-Dichloropropene | 93 | | 92 | | 70-130 | 1 | | 20 |
| 1,1-Dichloropropene | 111 | | 106 | | 70-130 | 5 | | 20 |
| Bromoform | 85 | | 88 | | 54-136 | 3 | | 20 |
| 1,1,2,2-Tetrachloroethane | 86 | | 91 | | 67-130 | 6 | | 20 |
| Benzene | 106 | | 102 | | 70-130 | 4 | | 20 |
| Toluene | 106 | | 101 | | 70-130 | 5 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG685909-1 WG685909-2 | | | | | | | | |
| Ethylbenzene | 112 | | 107 | | 70-130 | 5 | | 20 |
| Chloromethane | 114 | | 107 | | 64-130 | 6 | | 20 |
| Bromomethane | 43 | | 44 | | 39-139 | 2 | | 20 |
| Vinyl chloride | 103 | | 97 | | 55-140 | 6 | | 20 |
| Chloroethane | 122 | | 115 | | 55-138 | 6 | | 20 |
| 1,1-Dichloroethene | 110 | | 106 | | 61-145 | 4 | | 20 |
| trans-1,2-Dichloroethene | 107 | | 103 | | 70-130 | 4 | | 20 |
| Trichloroethene | 103 | | 99 | | 70-130 | 4 | | 20 |
| 1,2-Dichlorobenzene | 96 | | 95 | | 70-130 | 1 | | 20 |
| 1,3-Dichlorobenzene | 104 | | 100 | | 70-130 | 4 | | 20 |
| 1,4-Dichlorobenzene | 103 | | 100 | | 70-130 | 3 | | 20 |
| Methyl tert butyl ether | 88 | | 92 | | 63-130 | 4 | | 20 |
| p/m-Xylene | 114 | | 108 | | 70-130 | 5 | | 20 |
| o-Xylene | 108 | | 103 | | 70-130 | 5 | | 20 |
| cis-1,2-Dichloroethene | 104 | | 103 | | 70-130 | 1 | | 20 |
| Dibromomethane | 92 | | 95 | | 70-130 | 3 | | 20 |
| 1,2,3-Trichloropropane | 99 | | 104 | | 64-130 | 5 | | 20 |
| Acrylonitrile | 103 | | 110 | | 70-130 | 7 | | 20 |
| Diisopropyl Ether | 120 | | 120 | | 70-130 | 0 | | 20 |
| Tert-Butyl Alcohol | **68** | Q | 78 | | 70-130 | 14 | | 20 |
| Styrene | 109 | | 105 | | 70-130 | 4 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG685909-1 WG685909-2 | | | | | | | | |
| Dichlorodifluoromethane | 119 | | 114 | | 36-147 | 4 | | 20 |
| Acetone | 100 | | 104 | | 58-148 | 4 | | 20 |
| Carbon disulfide | 112 | | 106 | | 51-130 | 6 | | 20 |
| 2-Butanone | 76 | | 82 | | 63-138 | 8 | | 20 |
| Vinyl acetate | 109 | | 114 | | 70-130 | 4 | | 20 |
| 4-Methyl-2-pentanone | 84 | | 93 | | 59-130 | 10 | | 20 |
| 2-Hexanone | 84 | | 93 | | 57-130 | 10 | | 20 |
| Bromochloromethane | 100 | | 101 | | 70-130 | 1 | | 20 |
| 2,2-Dichloropropane | 104 | | 98 | | 63-133 | 6 | | 20 |
| 1,2-Dibromoethane | 92 | | 94 | | 70-130 | 2 | | 20 |
| 1,3-Dichloropropane | 98 | | 100 | | 70-130 | 2 | | 20 |
| 1,1,1,2-Tetrachloroethane | 114 | | 110 | | 64-130 | 4 | | 20 |
| Bromobenzene | 82 | | 80 | | 70-130 | 2 | | 20 |
| n-Butylbenzene | 113 | | 106 | | 53-136 | 6 | | 20 |
| sec-Butylbenzene | 104 | | 98 | | 70-130 | 6 | | 20 |
| tert-Butylbenzene | 95 | | 90 | | 70-130 | 5 | | 20 |
| o-Chlorotoluene | 110 | | 105 | | 70-130 | 5 | | 20 |
| p-Chlorotoluene | 101 | | 96 | | 70-130 | 5 | | 20 |
| 1,2-Dibromo-3-chloropropane | 97 | | 97 | | 41-144 | 0 | | 20 |
| Hexachlorobutadiene | 93 | | 88 | | 63-130 | 6 | | 20 |
| Isopropylbenzene | 88 | | 83 | | 70-130 | 6 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG685909-1 WG685909-2 | | | | | | | | |
| p-Isopropyltoluene | 102 | | 97 | | 70-130 | 5 | | 20 |
| Naphthalene | 83 | | 88 | | 70-130 | 6 | | 20 |
| n-Propylbenzene | 102 | | 96 | | 69-130 | 6 | | 20 |
| 1,2,3-Trichlorobenzene | 87 | | 89 | | 70-130 | 2 | | 20 |
| 1,2,4-Trichlorobenzene | 107 | | 106 | | 70-130 | 1 | | 20 |
| 1,3,5-Trimethylbenzene | 114 | | 109 | | 64-130 | 4 | | 20 |
| 1,2,4-Trimethylbenzene | 104 | | 100 | | 70-130 | 4 | | 20 |
| Methyl Acetate | 96 | | 107 | | 70-130 | 11 | | 20 |
| Ethyl Acetate | 105 | | 114 | | 70-130 | 8 | | 20 |
| Cyclohexane | 124 | | 119 | | 70-130 | 4 | | 20 |
| Ethyl-Tert-Butyl-Ether | 104 | | 106 | | 70-130 | 2 | | 20 |
| Tertiary-Amyl Methyl Ether | 91 | | 95 | | 66-130 | 4 | | 20 |
| 1,4-Dioxane | 68 | | 74 | | 56-162 | 8 | | 20 |
| Freon-113 | 119 | | 114 | | 70-130 | 4 | | 20 |
| p-Diethylbenzene | 99 | | 94 | | 70-130 | 5 | | 20 |
| p-Ethyltoluene | 104 | | 99 | | 70-130 | 5 | | 20 |
| 1,2,4,5-Tetramethylbenzene | 100 | | 96 | | 70-130 | 4 | | 20 |
| Ethyl ether | 90 | | 94 | | 59-134 | 4 | | 20 |
| trans-1,4-Dichloro-2-butene | 71 | | 76 | | 70-130 | 7 | | 20 |
| Methyl cyclohexane | 103 | | 99 | | 70-130 | 4 | | 20 |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** 233 LANDING RD

**Project Number:** 12.0076232.00

**Lab Number:** L1408689

**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG685909-1 WG685909-2 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | | 99 | | 70-130 |
| Toluene-d8 | 104 | | 104 | | 70-130 |
| 4-Bromofluorobenzene | 85 | | 84 | | 70-130 |
| Dibromofluoromethane | 109 | | 109 | | 70-130 |

# SEMIVOLATILES

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-01 | Date Collected: | 04/24/14 09:05 |
| Client ID: | GZA-1 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/25/14 08:30 |
| Analytical Date: | 04/29/14 21:35 | | |
| Analyst: | RC | | |
| Percent Solids: | 88% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 150 | 39. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 61. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 35. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 52. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 61. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 62. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 59. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 57. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 50. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 40. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 48. | 1 |
| Fluoranthene | 310 | | ug/kg | 110 | 34. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 57. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 43. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 66. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 57. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 53. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 540 | 120 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 34. | 1 |
| Isophorone | ND | | ug/kg | 170 | 50. | 1 |
| Naphthalene | ND | | ug/kg | 190 | 62. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 45. | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 150 | 39. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 190 | 56. | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 190 | 49. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 190 | 37. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 190 | 36. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 190 | 46. | 1 |
| Diethyl phthalate | ND | | ug/kg | 190 | 40. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 190 | 48. | 1 |
| Benzo(a)anthracene | 170 | | ug/kg | 110 | 37. | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-01 Date Collected: 04/24/14 09:05

Client ID: GZA-1 0.5-1.5 Date Received: 04/24/14

Sample Location: 233 LANDING RD. BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)pyrene | 190 | | ug/kg | 150 | 46. | 1 |
| Benzo(b)fluoranthene | 220 | | ug/kg | 110 | 38. | 1 |
| Benzo(k)fluoranthene | 84 | J | ug/kg | 110 | 36. | 1 |
| Chrysene | 180 | | ug/kg | 110 | 37. | 1 |
| Acenaphthylene | ND | | ug/kg | 150 | 35. | 1 |
| Anthracene | 45 | J | ug/kg | 110 | 31. | 1 |
| Benzo(ghi)perylene | 160 | | ug/kg | 150 | 39. | 1 |
| Fluorene | ND | | ug/kg | 190 | 54. | 1 |
| Phenanthrene | 170 | | ug/kg | 110 | 37. | 1 |
| Dibenzo(a,h)anthracene | 38 | J | ug/kg | 110 | 36. | 1 |
| Indeno(1,2,3-cd)Pyrene | 140 | J | ug/kg | 150 | 42. | 1 |
| Pyrene | 290 | | ug/kg | 110 | 36. | 1 |
| Biphenyl | ND | | ug/kg | 430 | 62. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 49. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 53. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 52. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 50. | 1 |
| Dibenzofuran | ND | | ug/kg | 190 | 62. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 220 | 60. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 58. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 58. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 35. | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 190 | 54. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 56. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 61. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 56. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 400 | 58. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 260 | 61. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 900 | 260 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 490 | 68. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 40. | 1 |
| Phenol | ND | | ug/kg | 190 | 55. | 1 |
| 2-Methylphenol | ND | | ug/kg | 190 | 60. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 270 | 61. | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 190 | 61. | 1 |
| Benzoic Acid | ND | | ug/kg | 610 | 190 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 190 | 58. | 1 |
| Carbazole | ND | | ug/kg | 190 | 40. | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-01 | Date Collected: | 04/24/14 09:05 |
| Client ID: | GZA-1 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 58 | | 25-120 |
| Phenol-d6 | 60 | | 10-120 |
| Nitrobenzene-d5 | 57 | | 23-120 |
| 2-Fluorobiphenyl | 42 | | 30-120 |
| 2,4,6-Tribromophenol | 60 | | 0-136 |
| 4-Terphenyl-d14 | 36 | | 18-120 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-02 D | Date Collected: | 04/24/14 09:15 |
| Client ID: | GZA-1 10-11 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/25/14 08:30 |
| Analytical Date: | 04/30/14 21:59 | | |
| Analyst: | RC | | |
| Percent Solids: | 96% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 1400 | | ug/kg | 270 | 71. | 2 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 340 | 110 | 2 |
| Hexachlorobenzene | ND | | ug/kg | 200 | 64. | 2 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 310 | 96. | 2 |
| 2-Chloronaphthalene | ND | | ug/kg | 340 | 110 | 2 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 340 | 110 | 2 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 340 | 110 | 2 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 340 | 100 | 2 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 340 | 91. | 2 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 340 | 74. | 2 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 340 | 88. | 2 |
| Fluoranthene | 8800 | | ug/kg | 200 | 63. | 2 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 340 | 100 | 2 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 340 | 79. | 2 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 410 | 120 | 2 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 370 | 100 | 2 |
| Hexachlorobutadiene | ND | | ug/kg | 340 | 97. | 2 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 980 | 220 | 2 |
| Hexachloroethane | ND | | ug/kg | 270 | 62. | 2 |
| Isophorone | ND | | ug/kg | 310 | 91. | 2 |
| Naphthalene | 1000 | | ug/kg | 340 | 110 | 2 |
| Nitrobenzene | ND | | ug/kg | 310 | 82. | 2 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 270 | 72. | 2 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 340 | 100 | 2 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 340 | 90. | 2 |
| Butyl benzyl phthalate | ND | | ug/kg | 340 | 67. | 2 |
| Di-n-butylphthalate | ND | | ug/kg | 340 | 66. | 2 |
| Di-n-octylphthalate | ND | | ug/kg | 340 | 84. | 2 |
| Diethyl phthalate | ND | | ug/kg | 340 | 72. | 2 |
| Dimethyl phthalate | ND | | ug/kg | 340 | 87. | 2 |
| Benzo(a)anthracene | 3500 | | ug/kg | 200 | 67. | 2 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-02 D Date Collected: 04/24/14 09:15

Client ID: GZA-1 10-11 Date Received: 04/24/14

Sample Location: 233 LANDING RD. BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)pyrene | 2700 | | ug/kg | 270 | 84. | 2 |
| Benzo(b)fluoranthene | 3800 | | ug/kg | 200 | 69. | 2 |
| Benzo(k)fluoranthene | 1400 | | ug/kg | 200 | 65. | 2 |
| Chrysene | 3200 | | ug/kg | 200 | 67. | 2 |
| Acenaphthylene | ND | | ug/kg | 270 | 64. | 2 |
| Anthracene | 2100 | | ug/kg | 200 | 57. | 2 |
| Benzo(ghi)perylene | 1600 | | ug/kg | 270 | 71. | 2 |
| Fluorene | 1100 | | ug/kg | 340 | 98. | 2 |
| Phenanthrene | 8900 | | ug/kg | 200 | 67. | 2 |
| Dibenzo(a,h)anthracene | 410 | | ug/kg | 200 | 66. | 2 |
| Indeno(1,2,3-cd)Pyrene | 1700 | | ug/kg | 270 | 76. | 2 |
| Pyrene | 6800 | | ug/kg | 200 | 67. | 2 |
| Biphenyl | 120 | J | ug/kg | 780 | 110 | 2 |
| 4-Chloroaniline | ND | | ug/kg | 340 | 90. | 2 |
| 2-Nitroaniline | ND | | ug/kg | 340 | 97. | 2 |
| 3-Nitroaniline | ND | | ug/kg | 340 | 95. | 2 |
| 4-Nitroaniline | ND | | ug/kg | 340 | 93. | 2 |
| Dibenzofuran | 940 | | ug/kg | 340 | 110 | 2 |
| 2-Methylnaphthalene | 440 | | ug/kg | 410 | 110 | 2 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 340 | 110 | 2 |
| Acetophenone | ND | | ug/kg | 340 | 110 | 2 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 200 | 65. | 2 |
| P-Chloro-M-Cresol | ND | | ug/kg | 340 | 99. | 2 |
| 2-Chlorophenol | ND | | ug/kg | 340 | 100 | 2 |
| 2,4-Dichlorophenol | ND | | ug/kg | 310 | 110 | 2 |
| 2,4-Dimethylphenol | ND | | ug/kg | 340 | 100 | 2 |
| 2-Nitrophenol | ND | | ug/kg | 740 | 110 | 2 |
| 4-Nitrophenol | ND | | ug/kg | 480 | 110 | 2 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1600 | 470 | 2 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 890 | 120 | 2 |
| Pentachlorophenol | ND | | ug/kg | 270 | 73. | 2 |
| Phenol | ND | | ug/kg | 340 | 100 | 2 |
| 2-Methylphenol | ND | | ug/kg | 340 | 110 | 2 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 490 | 110 | 2 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 340 | 110 | 2 |
| Benzoic Acid | ND | | ug/kg | 1100 | 350 | 2 |
| Benzyl Alcohol | ND | | ug/kg | 340 | 100 | 2 |
| Carbazole | 1300 | | ug/kg | 340 | 74. | 2 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1408689-02 | D | Date Collected: | 04/24/14 09:15 |
| Client ID: | GZA-1 10-11 | | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 38 | | 25-120 |
| Phenol-d6 | 63 | | 10-120 |
| Nitrobenzene-d5 | 58 | | 23-120 |
| 2-Fluorobiphenyl | 60 | | 30-120 |
| 2,4,6-Tribromophenol | 26 | | 0-136 |
| 4-Terphenyl-d14 | 58 | | 18-120 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-03 | Date Collected: | 04/24/14 09:35 |
| Client ID: | GZA-2 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/25/14 08:30 |
| Analytical Date: | 04/29/14 22:30 | | |
| Analyst: | RC | | |
| Percent Solids: | 91% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 140 | 37. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 180 | 60. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 34. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 160 | 51. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 180 | 59. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 180 | 60. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 180 | 57. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 180 | 55. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 180 | 48. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 180 | 39. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 180 | 46. | 1 |
| Fluoranthene | 210 | | ug/kg | 110 | 33. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 180 | 55. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 180 | 42. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 64. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 55. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 180 | 51. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 520 | 120 | 1 |
| Hexachloroethane | ND | | ug/kg | 140 | 33. | 1 |
| Isophorone | ND | | ug/kg | 160 | 48. | 1 |
| Naphthalene | ND | | ug/kg | 180 | 60. | 1 |
| Nitrobenzene | ND | | ug/kg | 160 | 43. | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 140 | 38. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 180 | 54. | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 180 | 48. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 180 | 36. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 180 | 35. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 180 | 45. | 1 |
| Diethyl phthalate | ND | | ug/kg | 180 | 38. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 46. | 1 |
| Benzo(a)anthracene | 180 | | ug/kg | 110 | 36. | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-03 Date Collected: 04/24/14 09:35

Client ID: GZA-2 0.5-1.5 Date Received: 04/24/14

Sample Location: 233 LANDING RD. BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)pyrene | 280 | | ug/kg | 140 | 44. | 1 |
| Benzo(b)fluoranthene | 250 | | ug/kg | 110 | 37. | 1 |
| Benzo(k)fluoranthene | 97 | J | ug/kg | 110 | 35. | 1 |
| Chrysene | 230 | | ug/kg | 110 | 36. | 1 |
| Acenaphthylene | 120 | J | ug/kg | 140 | 34. | 1 |
| Anthracene | 51 | J | ug/kg | 110 | 30. | 1 |
| Benzo(ghi)perylene | 380 | | ug/kg | 140 | 38. | 1 |
| Fluorene | ND | | ug/kg | 180 | 52. | 1 |
| Phenanthrene | 130 | | ug/kg | 110 | 36. | 1 |
| Dibenzo(a,h)anthracene | 96 | J | ug/kg | 110 | 35. | 1 |
| Indeno(1,2,3-cd)Pyrene | 260 | | ug/kg | 140 | 40. | 1 |
| Pyrene | 280 | | ug/kg | 110 | 35. | 1 |
| Biphenyl | ND | | ug/kg | 410 | 60. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 48. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 51. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 50. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 49. | 1 |
| Dibenzofuran | ND | | ug/kg | 180 | 61. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 220 | 58. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 56. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 56. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 34. | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 180 | 53. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 55. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 59. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 54. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 390 | 57. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 250 | 59. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 870 | 250 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 470 | 66. | 1 |
| Pentachlorophenol | ND | | ug/kg | 140 | 39. | 1 |
| Phenol | ND | | ug/kg | 180 | 54. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 58. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 260 | 60. | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 59. | 1 |
| Benzoic Acid | ND | | ug/kg | 590 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 56. | 1 |
| Carbazole | ND | | ug/kg | 180 | 39. | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-03 | Date Collected: | 04/24/14 09:35 |
| Client ID: | GZA-2 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 57 | | 25-120 |
| Phenol-d6 | 58 | | 10-120 |
| Nitrobenzene-d5 | 59 | | 23-120 |
| 2-Fluorobiphenyl | 56 | | 30-120 |
| 2,4,6-Tribromophenol | 62 | | 0-136 |
| 4-Terphenyl-d14 | 55 | | 18-120 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-04 | Date Collected: | 04/24/14 09:40 |
| Client ID: | GZA-2 10-11 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/25/14 08:30 |
| Analytical Date: | 04/29/14 22:58 | | |
| Analyst: | RC | | |
| Percent Solids: | 70% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 190 | 49. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 240 | 78. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 140 | 44. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 210 | 66. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 240 | 77. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 240 | 78. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 240 | 75. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 240 | 72. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 240 | 63. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 240 | 51. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 240 | 61. | 1 |
| Fluoranthene | 59 | J | ug/kg | 140 | 43. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 240 | 72. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 240 | 54. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 280 | 83. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 260 | 72. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 240 | 67. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 680 | 150 | 1 |
| Hexachloroethane | ND | | ug/kg | 190 | 43. | 1 |
| Isophorone | ND | | ug/kg | 210 | 63. | 1 |
| Naphthalene | ND | | ug/kg | 240 | 79. | 1 |
| Nitrobenzene | ND | | ug/kg | 210 | 56. | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 190 | 50. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 240 | 70. | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 240 | 62. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 240 | 46. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 240 | 46. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 240 | 58. | 1 |
| Diethyl phthalate | ND | | ug/kg | 240 | 50. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 240 | 60. | 1 |
| Benzo(a)anthracene | ND | | ug/kg | 140 | 46. | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-04 Date Collected: 04/24/14 09:40

Client ID: GZA-2 10-11 Date Received: 04/24/14

Sample Location: 233 LANDING RD. BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)pyrene | ND | | ug/kg | 190 | 58. | 1 |
| Benzo(b)fluoranthene | ND | | ug/kg | 140 | 48. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 140 | 45. | 1 |
| Chrysene | ND | | ug/kg | 140 | 46. | 1 |
| Acenaphthylene | ND | | ug/kg | 190 | 44. | 1 |
| Anthracene | ND | | ug/kg | 140 | 39. | 1 |
| Benzo(ghi)perylene | ND | | ug/kg | 190 | 49. | 1 |
| Fluorene | ND | | ug/kg | 240 | 68. | 1 |
| Phenanthrene | 48 | J | ug/kg | 140 | 46. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 140 | 46. | 1 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/kg | 190 | 52. | 1 |
| Pyrene | ND | | ug/kg | 140 | 46. | 1 |
| Biphenyl | ND | | ug/kg | 540 | 78. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 240 | 62. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 240 | 67. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 240 | 65. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 240 | 64. | 1 |
| Dibenzofuran | ND | | ug/kg | 240 | 79. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 280 | 76. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 240 | 73. | 1 |
| Acetophenone | ND | | ug/kg | 240 | 73. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 140 | 45. | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 240 | 69. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 240 | 72. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 210 | 77. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 240 | 70. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 510 | 74. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 330 | 77. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1100 | 320 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 620 | 87. | 1 |
| Pentachlorophenol | ND | | ug/kg | 190 | 51. | 1 |
| Phenol | ND | | ug/kg | 240 | 70. | 1 |
| 2-Methylphenol | ND | | ug/kg | 240 | 76. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 340 | 78. | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 240 | 77. | 1 |
| Benzoic Acid | ND | | ug/kg | 770 | 240 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 240 | 73. | 1 |
| Carbazole | ND | | ug/kg | 240 | 51. | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-04 | Date Collected: | 04/24/14 09:40 |
| Client ID: | GZA-2 10-11 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | **21** | Q | 25-120 |
| Phenol-d6 | 31 | | 10-120 |
| Nitrobenzene-d5 | 57 | | 23-120 |
| 2-Fluorobiphenyl | 45 | | 30-120 |
| 2,4,6-Tribromophenol | 11 | | 0-136 |
| 4-Terphenyl-d14 | 22 | | 18-120 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-05 | Date Collected: | 04/24/14 10:25 |
| Client ID: | GZA-3 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/25/14 08:30 |
| Analytical Date: | 04/29/14 23:25 | | |
| Analyst: | RC | | |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 150 | 38. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 180 | 60. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 34. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 160 | 51. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 180 | 60. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 180 | 60. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 180 | 58. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 180 | 56. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 180 | 49. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 180 | 40. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 180 | 47. | 1 |
| Fluoranthene | 100 | J | ug/kg | 110 | 34. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 180 | 56. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 180 | 42. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 64. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 56. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 180 | 52. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 530 | 120 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 33. | 1 |
| Isophorone | ND | | ug/kg | 160 | 49. | 1 |
| Naphthalene | ND | | ug/kg | 180 | 61. | 1 |
| Nitrobenzene | ND | | ug/kg | 160 | 44. | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 150 | 38. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 180 | 55. | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 180 | 48. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 180 | 36. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 180 | 35. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 180 | 45. | 1 |
| Diethyl phthalate | ND | | ug/kg | 180 | 39. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 46. | 1 |
| Benzo(a)anthracene | 62 | J | ug/kg | 110 | 36. | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-05 Date Collected: 04/24/14 10:25

Client ID: GZA-3 0.5-1.5 Date Received: 04/24/14

Sample Location: 233 LANDING RD. BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)pyrene | 62 | J | ug/kg | 150 | 45. | 1 |
| Benzo(b)fluoranthene | 66 | J | ug/kg | 110 | 37. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 110 | 35. | 1 |
| Chrysene | 70 | J | ug/kg | 110 | 36. | 1 |
| Acenaphthylene | ND | | ug/kg | 150 | 34. | 1 |
| Anthracene | ND | | ug/kg | 110 | 30. | 1 |
| Benzo(ghi)perylene | 60 | J | ug/kg | 150 | 38. | 1 |
| Fluorene | ND | | ug/kg | 180 | 52. | 1 |
| Phenanthrene | 40 | J | ug/kg | 110 | 36. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 110 | 36. | 1 |
| Indeno(1,2,3-cd)Pyrene | 48 | J | ug/kg | 150 | 41. | 1 |
| Pyrene | 97 | J | ug/kg | 110 | 36. | 1 |
| Biphenyl | ND | | ug/kg | 420 | 60. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 48. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 52. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 51. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 50. | 1 |
| Dibenzofuran | ND | | ug/kg | 180 | 61. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 220 | 58. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 57. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 57. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 34. | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 180 | 53. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 55. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 59. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 55. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 400 | 57. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 260 | 59. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 880 | 250 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 480 | 67. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 39. | 1 |
| Phenol | ND | | ug/kg | 180 | 54. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 59. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 260 | 60. | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 59. | 1 |
| Benzoic Acid | ND | | ug/kg | 590 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 56. | 1 |
| Carbazole | ND | | ug/kg | 180 | 39. | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-05 | Date Collected: | 04/24/14 10:25 |
| Client ID: | GZA-3 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 52 | | 25-120 |
| Phenol-d6 | 56 | | 10-120 |
| Nitrobenzene-d5 | 53 | | 23-120 |
| 2-Fluorobiphenyl | 56 | | 30-120 |
| 2,4,6-Tribromophenol | 56 | | 0-136 |
| 4-Terphenyl-d14 | 57 | | 18-120 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-06 | Date Collected: | 04/24/14 10:40 |
| Client ID: | GZA-4 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/25/14 08:30 |
| Analytical Date: | 04/29/14 23:53 | | |
| Analyst: | RC | | |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 250 | J | ug/kg | 290 | 75. | 2 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 360 | 120 | 2 |
| Hexachlorobenzene | ND | | ug/kg | 220 | 68. | 2 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 330 | 100 | 2 |
| 2-Chloronaphthalene | ND | | ug/kg | 360 | 120 | 2 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 360 | 120 | 2 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 360 | 120 | 2 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 360 | 110 | 2 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 360 | 97. | 2 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 360 | 79. | 2 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 360 | 94. | 2 |
| Fluoranthene | 650 | | ug/kg | 220 | 67. | 2 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 360 | 110 | 2 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 360 | 84. | 2 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 440 | 130 | 2 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 400 | 110 | 2 |
| Hexachlorobutadiene | ND | | ug/kg | 360 | 100 | 2 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 1000 | 230 | 2 |
| Hexachloroethane | ND | | ug/kg | 290 | 66. | 2 |
| Isophorone | ND | | ug/kg | 330 | 97. | 2 |
| Naphthalene | 170 | J | ug/kg | 360 | 120 | 2 |
| Nitrobenzene | ND | | ug/kg | 330 | 87. | 2 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 290 | 77. | 2 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 360 | 110 | 2 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 360 | 96. | 2 |
| Butyl benzyl phthalate | ND | | ug/kg | 360 | 71. | 2 |
| Di-n-butylphthalate | ND | | ug/kg | 360 | 71. | 2 |
| Di-n-octylphthalate | ND | | ug/kg | 360 | 90. | 2 |
| Diethyl phthalate | ND | | ug/kg | 360 | 77. | 2 |
| Dimethyl phthalate | ND | | ug/kg | 360 | 93. | 2 |
| Benzo(a)anthracene | 330 | | ug/kg | 220 | 72. | 2 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-06 Date Collected: 04/24/14 10:40

Client ID: GZA-4 0.5-1.5 Date Received: 04/24/14

Sample Location: 233 LANDING RD. BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)pyrene | 240 | J | ug/kg | 290 | 90. | 2 |
| Benzo(b)fluoranthene | 270 | | ug/kg | 220 | 74. | 2 |
| Benzo(k)fluoranthene | 150 | J | ug/kg | 220 | 70. | 2 |
| Chrysene | 420 | | ug/kg | 220 | 72. | 2 |
| Acenaphthylene | ND | | ug/kg | 290 | 68. | 2 |
| Anthracene | 260 | | ug/kg | 220 | 61. | 2 |
| Benzo(ghi)perylene | 140 | J | ug/kg | 290 | 76. | 2 |
| Fluorene | 140 | J | ug/kg | 360 | 100 | 2 |
| Phenanthrene | 1300 | | ug/kg | 220 | 72. | 2 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 220 | 71. | 2 |
| Indeno(1,2,3-cd)Pyrene | 140 | J | ug/kg | 290 | 81. | 2 |
| Pyrene | 680 | | ug/kg | 220 | 71. | 2 |
| Biphenyl | ND | | ug/kg | 830 | 120 | 2 |
| 4-Chloroaniline | ND | | ug/kg | 360 | 96. | 2 |
| 2-Nitroaniline | ND | | ug/kg | 360 | 100 | 2 |
| 3-Nitroaniline | ND | | ug/kg | 360 | 100 | 2 |
| 4-Nitroaniline | ND | | ug/kg | 360 | 99. | 2 |
| Dibenzofuran | ND | | ug/kg | 360 | 120 | 2 |
| 2-Methylnaphthalene | 300 | J | ug/kg | 440 | 120 | 2 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 360 | 110 | 2 |
| Acetophenone | ND | | ug/kg | 360 | 110 | 2 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 220 | 69. | 2 |
| P-Chloro-M-Cresol | ND | | ug/kg | 360 | 110 | 2 |
| 2-Chlorophenol | ND | | ug/kg | 360 | 110 | 2 |
| 2,4-Dichlorophenol | ND | | ug/kg | 330 | 120 | 2 |
| 2,4-Dimethylphenol | ND | | ug/kg | 360 | 110 | 2 |
| 2-Nitrophenol | ND | | ug/kg | 790 | 110 | 2 |
| 4-Nitrophenol | ND | | ug/kg | 510 | 120 | 2 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1800 | 500 | 2 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 950 | 130 | 2 |
| Pentachlorophenol | ND | | ug/kg | 290 | 78. | 2 |
| Phenol | ND | | ug/kg | 360 | 110 | 2 |
| 2-Methylphenol | ND | | ug/kg | 360 | 120 | 2 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 530 | 120 | 2 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 360 | 120 | 2 |
| Benzoic Acid | ND | | ug/kg | 1200 | 370 | 2 |
| Benzyl Alcohol | ND | | ug/kg | 360 | 110 | 2 |
| Carbazole | ND | | ug/kg | 360 | 79. | 2 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-06 | Date Collected: | 04/24/14 10:40 |
| Client ID: | GZA-4 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | **19** | Q | 25-120 |
| Phenol-d6 | 46 | | 10-120 |
| Nitrobenzene-d5 | 58 | | 23-120 |
| 2-Fluorobiphenyl | 60 | | 30-120 |
| 2,4,6-Tribromophenol | 10 | | 0-136 |
| 4-Terphenyl-d14 | 53 | | 18-120 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-07 | Date Collected: | 04/24/14 11:30 |
| Client ID: | TW-1 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8270D | Extraction Date: | 04/26/14 01:23 |
| Analytical Date: | 04/28/14 23:59 | | |
| Analyst: | PS | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.21 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.41 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.30 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.35 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.32 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.89 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.36 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.43 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.60 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.60 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.58 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 0.79 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/l | 2.0 | 0.34 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/l | 3.0 | 0.93 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.1 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.77 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 0.33 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.24 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 0.84 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.96 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.67 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.83 | 1 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.22 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.36 | 1 |
| Acetophenone | 2.6 | J | ug/l | 5.0 | 0.43 | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-07 | Date Collected: | 04/24/14 11:30 |
| Client ID: | TW-1 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.78 | 1 |
| P-Chloro-M-Cresol | ND | | ug/l | 2.0 | 0.54 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.58 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.56 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 0.58 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 1.0 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 1.1 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 1.4 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.4 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.27 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.70 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.72 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.75 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 1.0 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.68 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.37 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 31 | | 21-120 |
| Phenol-d6 | 20 | | 10-120 |
| Nitrobenzene-d5 | 59 | | 23-120 |
| 2-Fluorobiphenyl | 64 | | 15-120 |
| 2,4,6-Tribromophenol | 68 | | 10-120 |
| 4-Terphenyl-d14 | 72 | | 41-149 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-07 | Date Collected: | 04/24/14 11:30 |
| Client ID: | TW-1 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8270D-SIM | Extraction Date: | 04/26/14 01:24 |
| Analytical Date: | 04/29/14 21:28 | | |
| Analyst: | MW | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | ND | | ug/l | 0.20 | 0.06 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Fluoranthene | ND | | ug/l | 0.20 | 0.04 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.07 | 1 |
| Naphthalene | 0.07 | J | ug/l | 0.20 | 0.06 | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Chrysene | ND | | ug/l | 0.20 | 0.05 | 1 |
| Acenaphthylene | ND | | ug/l | 0.20 | 0.05 | 1 |
| Anthracene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Fluorene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Phenanthrene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/l | 0.20 | 0.08 | 1 |
| Pyrene | ND | | ug/l | 0.20 | 0.06 | 1 |
| 2-Methylnaphthalene | 0.11 | J | ug/l | 0.20 | 0.06 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.19 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.07 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 30 | | 21-120 |
| Phenol-d6 | 20 | | 10-120 |
| Nitrobenzene-d5 | 72 | | 23-120 |
| 2-Fluorobiphenyl | 58 | | 15-120 |
| 2,4,6-Tribromophenol | 60 | | 10-120 |
| 4-Terphenyl-d14 | 64 | | 41-149 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-08 | Date Collected: | 04/24/14 12:00 |
| Client ID: | FIELD BLANK | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8270D | Extraction Date: | 04/26/14 01:23 |
| Analytical Date: | 04/29/14 00:24 | | |
| Analyst: | PS | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.21 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.41 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.30 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.35 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.32 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.89 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.36 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.43 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.60 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.60 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.58 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 0.79 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/l | 2.0 | 0.34 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/l | 3.0 | 0.93 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.1 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.77 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 0.33 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.24 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 0.84 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.96 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.67 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.83 | 1 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.22 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.36 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.43 | 1 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-08 | Date Collected: | 04/24/14 12:00 |
| Client ID: | FIELD BLANK | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.78 | 1 |
| P-Chloro-M-Cresol | ND | | ug/l | 2.0 | 0.54 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.58 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.56 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 0.58 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 1.0 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 1.1 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 1.4 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.4 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.27 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.70 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.72 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.75 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 1.0 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.68 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.37 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 30 | | 21-120 |
| Phenol-d6 | 17 | | 10-120 |
| Nitrobenzene-d5 | 57 | | 23-120 |
| 2-Fluorobiphenyl | 61 | | 15-120 |
| 2,4,6-Tribromophenol | 60 | | 10-120 |
| 4-Terphenyl-d14 | 73 | | 41-149 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-08 | Date Collected: | 04/24/14 12:00 |
| Client ID: | FIELD BLANK | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8270D-SIM | Extraction Date: | 04/26/14 01:24 |
| Analytical Date: | 04/29/14 21:52 | | |
| Analyst: | MW | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | ND | | ug/l | 0.20 | 0.06 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Fluoranthene | ND | | ug/l | 0.20 | 0.04 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.07 | 1 |
| Naphthalene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Chrysene | ND | | ug/l | 0.20 | 0.05 | 1 |
| Acenaphthylene | ND | | ug/l | 0.20 | 0.05 | 1 |
| Anthracene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Fluorene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Phenanthrene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/l | 0.20 | 0.08 | 1 |
| Pyrene | ND | | ug/l | 0.20 | 0.06 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.19 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.07 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 29 | | 21-120 |
| Phenol-d6 | 19 | | 10-120 |
| Nitrobenzene-d5 | 70 | | 23-120 |
| 2-Fluorobiphenyl | 56 | | 15-120 |
| 2,4,6-Tribromophenol | 55 | | 10-120 |
| 4-Terphenyl-d14 | 63 | | 41-149 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/29/14 17:27
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/25/14 08:30

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG685060-1 | | | | | |
| Acenaphthene | ND | | ug/kg | 130 | 34. |
| Benzidine | ND | | ug/kg | 540 | 130 |
| n-Nitrosodimethylamine | ND | | ug/kg | 330 | 53. |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 160 | 53. |
| Hexachlorobenzene | ND | | ug/kg | 98 | 30. |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 150 | 46. |
| 2-Chloronaphthalene | ND | | ug/kg | 160 | 53. |
| 1,2-Dichlorobenzene | ND | | ug/kg | 160 | 54. |
| 1,3-Dichlorobenzene | ND | | ug/kg | 160 | 51. |
| 1,4-Dichlorobenzene | ND | | ug/kg | 160 | 50. |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 160 | 43. |
| 2,4-Dinitrotoluene | ND | | ug/kg | 160 | 35. |
| 2,6-Dinitrotoluene | ND | | ug/kg | 160 | 42. |
| Fluoranthene | ND | | ug/kg | 98 | 30. |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 160 | 50. |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 160 | 38. |
| Azobenzene | ND | | ug/kg | 160 | 44. |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 200 | 57. |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 180 | 49. |
| Hexachlorobutadiene | ND | | ug/kg | 160 | 46. |
| Hexachlorocyclopentadiene | ND | | ug/kg | 470 | 100 |
| Hexachloroethane | ND | | ug/kg | 130 | 30. |
| Isophorone | ND | | ug/kg | 150 | 43. |
| Naphthalene | ND | | ug/kg | 160 | 54. |
| Nitrobenzene | ND | | ug/kg | 150 | 39. |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 130 | 34. |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 160 | 49. |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 160 | 43. |
| Butyl benzyl phthalate | ND | | ug/kg | 160 | 32. |
| Di-n-butylphthalate | ND | | ug/kg | 160 | 31. |
| Di-n-octylphthalate | ND | | ug/kg | 160 | 40. |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/29/14 17:27
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/25/14 08:30

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG685060-1 | | | | | |
| Diethyl phthalate | ND | | ug/kg | 160 | 34. |
| Dimethyl phthalate | ND | | ug/kg | 160 | 41. |
| Benzo(a)anthracene | ND | | ug/kg | 98 | 32. |
| Benzo(a)pyrene | ND | | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene | ND | | ug/kg | 98 | 33. |
| Benzo(k)fluoranthene | ND | | ug/kg | 98 | 31. |
| Chrysene | ND | | ug/kg | 98 | 32. |
| Acenaphthylene | ND | | ug/kg | 130 | 30. |
| Anthracene | ND | | ug/kg | 98 | 27. |
| Benzo(ghi)perylene | ND | | ug/kg | 130 | 34. |
| Fluorene | ND | | ug/kg | 160 | 47. |
| Phenanthrene | ND | | ug/kg | 98 | 32. |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 98 | 32. |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/kg | 130 | 36. |
| Pyrene | ND | | ug/kg | 98 | 32. |
| Biphenyl | ND | | ug/kg | 370 | 54. |
| Aniline | ND | | ug/kg | 200 | 33. |
| 4-Chloroaniline | ND | | ug/kg | 160 | 43. |
| 2-Nitroaniline | ND | | ug/kg | 160 | 46. |
| 3-Nitroaniline | ND | | ug/kg | 160 | 45. |
| 4-Nitroaniline | ND | | ug/kg | 160 | 44. |
| Dibenzofuran | ND | | ug/kg | 160 | 54. |
| 2-Methylnaphthalene | ND | | ug/kg | 200 | 52. |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 160 | 50. |
| Acetophenone | ND | | ug/kg | 160 | 50. |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 98 | 31. |
| P-Chloro-M-Cresol | ND | | ug/kg | 160 | 47. |
| 2-Chlorophenol | ND | | ug/kg | 160 | 49. |
| 2,4-Dichlorophenol | ND | | ug/kg | 150 | 53. |
| 2,4-Dimethylphenol | ND | | ug/kg | 160 | 49. |
| 2-Nitrophenol | ND | | ug/kg | 350 | 51. |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/29/14 17:27
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/25/14 08:30

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG685060-1 | | | | | |
| 4-Nitrophenol | ND | | ug/kg | 230 | 53. |
| 2,4-Dinitrophenol | ND | | ug/kg | 780 | 220 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 420 | 60. |
| Pentachlorophenol | ND | | ug/kg | 130 | 35. |
| Phenol | ND | | ug/kg | 160 | 48. |
| 2-Methylphenol | ND | | ug/kg | 160 | 52. |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 230 | 54. |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 160 | 53. |
| Benzoic Acid | ND | | ug/kg | 530 | 160 |
| Benzyl Alcohol | ND | | ug/kg | 160 | 50. |
| Carbazole | ND | | ug/kg | 160 | 35. |
| Benzaldehyde | ND | | ug/kg | 220 | 66. |
| Caprolactam | ND | | ug/kg | 160 | 45. |
| Atrazine | ND | | ug/kg | 130 | 37. |
| 2,3,4,6-Tetrachlorophenol | ND | | ug/kg | 160 | 28. |
| Pyridine | ND | | ug/kg | 650 | 58. |
| 1-Methylnaphthalene | ND | | ug/kg | 160 | 49. |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 71 | | 25-120 |
| Phenol-d6 | 65 | | 10-120 |
| Nitrobenzene-d5 | 66 | | 23-120 |
| 2-Fluorobiphenyl | 63 | | 30-120 |
| 2,4,6-Tribromophenol | 64 | | 0-136 |
| 4-Terphenyl-d14 | 65 | | 18-120 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/29/14 14:17
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 04/26/14 01:24

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07-08 Batch: WG685279-1 | | | | | |
| Acenaphthene | ND | | ug/l | 0.20 | 0.06 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.07 |
| Fluoranthene | ND | | ug/l | 0.20 | 0.04 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.07 |
| Naphthalene | ND | | ug/l | 0.20 | 0.06 |
| Benzo(a)anthracene | ND | | ug/l | 0.20 | 0.06 |
| Benzo(a)pyrene | ND | | ug/l | 0.20 | 0.07 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.20 | 0.07 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.20 | 0.07 |
| Chrysene | ND | | ug/l | 0.20 | 0.05 |
| Acenaphthylene | ND | | ug/l | 0.20 | 0.05 |
| Anthracene | ND | | ug/l | 0.20 | 0.06 |
| Benzo(ghi)perylene | ND | | ug/l | 0.20 | 0.07 |
| Fluorene | ND | | ug/l | 0.20 | 0.06 |
| Phenanthrene | ND | | ug/l | 0.20 | 0.06 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.20 | 0.07 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/l | 0.20 | 0.08 |
| Pyrene | ND | | ug/l | 0.20 | 0.06 |
| 2-Methylnaphthalene | ND | | ug/l | 0.20 | 0.06 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.19 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.07 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/29/14 14:17
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 04/26/14 01:24

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07-08 Batch: WG685279-1 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 30 | | 21-120 |
| Phenol-d6 | 20 | | 10-120 |
| Nitrobenzene-d5 | 75 | | 23-120 |
| 2-Fluorobiphenyl | 47 | | 15-120 |
| 2,4,6-Tribromophenol | 65 | | 10-120 |
| 4-Terphenyl-d14 | 75 | | 41-149 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/28/14 18:54
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 04/26/14 01:23

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG685280-1 | | | | | |
| Acenaphthene | ND | | ug/l | 2.0 | 0.28 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.21 |
| Benzidine | ND | | ug/l | 20 | 5.2 |
| n-Nitrosodimethylamine | ND | | ug/l | 2.0 | 0.50 |
| Hexachlorobenzene | ND | | ug/l | 2.0 | 0.40 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.41 |
| 2-Chloronaphthalene | ND | | ug/l | 2.0 | 0.46 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.30 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.35 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.32 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 0.48 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.0 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.89 |
| Azobenzene | ND | | ug/l | 2.0 | 0.54 |
| Fluoranthene | ND | | ug/l | 2.0 | 0.40 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.36 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.43 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.60 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.60 |
| Hexachlorobutadiene | ND | | ug/l | 2.0 | 0.42 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.58 |
| Hexachloroethane | ND | | ug/l | 2.0 | 0.30 |
| Isophorone | ND | | ug/l | 5.0 | 0.79 |
| Naphthalene | ND | | ug/l | 2.0 | 0.33 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.40 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/l | 2.0 | 0.34 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/l | 3.0 | 0.93 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.77 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.2 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/28/14 18:54
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 04/26/14 01:23

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG685280-1 | | | | | |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.39 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 0.33 |
| Benzo(a)anthracene | ND | | ug/l | 2.0 | 0.32 |
| Benzo(a)pyrene | ND | | ug/l | 2.0 | 0.66 |
| Benzo(b)fluoranthene | ND | | ug/l | 2.0 | 0.37 |
| Benzo(k)fluoranthene | ND | | ug/l | 2.0 | 0.30 |
| Chrysene | ND | | ug/l | 2.0 | 0.30 |
| Acenaphthylene | ND | | ug/l | 2.0 | 0.37 |
| Anthracene | ND | | ug/l | 2.0 | 0.20 |
| Benzo(ghi)perylene | ND | | ug/l | 2.0 | 0.57 |
| Fluorene | ND | | ug/l | 2.0 | 0.32 |
| Phenanthrene | ND | | ug/l | 2.0 | 0.23 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 2.0 | 0.44 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/l | 2.0 | 0.43 |
| Pyrene | ND | | ug/l | 2.0 | 0.52 |
| Biphenyl | ND | | ug/l | 2.0 | 0.24 |
| Aniline | ND | | ug/l | 2.0 | 0.55 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 0.84 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.96 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.67 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.83 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.22 |
| 2-Methylnaphthalene | ND | | ug/l | 2.0 | 0.36 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.36 |
| Acetophenone | ND | | ug/l | 5.0 | 0.43 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.78 |
| P-Chloro-M-Cresol | ND | | ug/l | 2.0 | 0.54 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.58 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.56 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 0.58 |
| 2-Nitrophenol | ND | | ug/l | 10 | 1.0 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/28/14 18:54
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 04/26/14 01:23

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG685280-1 | | | | | |
| 4-Nitrophenol | ND | | ug/l | 10 | 1.1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 1.4 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.4 |
| Pentachlorophenol | ND | | ug/l | 10 | 3.2 |
| Phenol | ND | | ug/l | 5.0 | 0.27 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.70 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.72 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.75 |
| Benzoic Acid | ND | | ug/l | 50 | 1.0 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.68 |
| Carbazole | ND | | ug/l | 2.0 | 0.37 |
| Pyridine | ND | | ug/l | 5.0 | 0.31 |
| Benzaldehyde | ND | | ug/l | 5.0 | 0.99 |
| Caprolactam | ND | | ug/l | 10 | 0.39 |
| Atrazine | ND | | ug/l | 10 | 0.79 |
| 2,3,4,6-Tetrachlorophenol | ND | | ug/l | 5.0 | 0.59 |

Tentatively Identified Compounds

| | | |
|---|---|---|
| No Tentatively Identified Compounds | ND | ug/l |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/28/14 18:54
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 04/26/14 01:23

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG685280-1 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 31 | | 21-120 |
| Phenol-d6 | 18 | | 10-120 |
| Nitrobenzene-d5 | 57 | | 23-120 |
| 2-Fluorobiphenyl | 51 | | 15-120 |
| 2,4,6-Tribromophenol | 57 | | 10-120 |
| 4-Terphenyl-d14 | 80 | | 41-149 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG685060-2 WG685060-3 | | | | | | | | |
| Acenaphthene | 72 | | 62 | | 31-137 | 15 | | 50 |
| Benzidine | 5 | | 10 | | | **67** | Q | 50 |
| n-Nitrosodimethylamine | 73 | | 57 | | | 25 | | 50 |
| 1,2,4-Trichlorobenzene | 67 | | 53 | | 38-107 | 23 | | 50 |
| Hexachlorobenzene | 68 | | 67 | | 40-140 | 1 | | 50 |
| Bis(2-chloroethyl)ether | 70 | | 55 | | 40-140 | 24 | | 50 |
| 2-Chloronaphthalene | 69 | | 56 | | 40-140 | 21 | | 50 |
| 1,2-Dichlorobenzene | 68 | | 54 | | 40-140 | 23 | | 50 |
| 1,3-Dichlorobenzene | 67 | | 54 | | 40-140 | 21 | | 50 |
| 1,4-Dichlorobenzene | 67 | | 54 | | 28-104 | 21 | | 50 |
| 3,3'-Dichlorobenzidine | 51 | | 61 | | 40-140 | 18 | | 50 |
| 2,4-Dinitrotoluene | 73 | | 72 | | 28-89 | 1 | | 50 |
| 2,6-Dinitrotoluene | 67 | | 65 | | 40-140 | 3 | | 50 |
| Fluoranthene | 72 | | 71 | | 40-140 | 1 | | 50 |
| 4-Chlorophenyl phenyl ether | 70 | | 63 | | 40-140 | 11 | | 50 |
| 4-Bromophenyl phenyl ether | 69 | | 66 | | 40-140 | 4 | | 50 |
| Azobenzene | 77 | | 74 | | 40-140 | 4 | | 50 |
| Bis(2-chloroisopropyl)ether | 73 | | 59 | | 40-140 | 21 | | 50 |
| Bis(2-chloroethoxy)methane | 69 | | 56 | | 40-117 | 21 | | 50 |
| Hexachlorobutadiene | 69 | | 54 | | 40-140 | 24 | | 50 |
| Hexachlorocyclopentadiene | 54 | | 40 | | 40-140 | 30 | | 50 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG685060-2 WG685060-3 | | | | | | | | |
| Hexachloroethane | 70 | | 54 | | 40-140 | 26 | | 50 |
| Isophorone | 70 | | 57 | | 40-140 | 20 | | 50 |
| Naphthalene | 70 | | 56 | | 40-140 | 22 | | 50 |
| Nitrobenzene | 74 | | 59 | | 40-140 | 23 | | 50 |
| NitrosoDiPhenylAmine(NDPA)/DPA | 72 | | 69 | | | 4 | | 50 |
| n-Nitrosodi-n-propylamine | 69 | | 56 | | 32-121 | 21 | | 50 |
| Bis(2-Ethylhexyl)phthalate | 86 | | 83 | | 40-140 | 4 | | 50 |
| Butyl benzyl phthalate | 76 | | 76 | | 40-140 | 0 | | 50 |
| Di-n-butylphthalate | 77 | | 76 | | 40-140 | 1 | | 50 |
| Di-n-octylphthalate | 91 | | 88 | | 40-140 | 3 | | 50 |
| Diethyl phthalate | 74 | | 72 | | 40-140 | 3 | | 50 |
| Dimethyl phthalate | 73 | | 69 | | 40-140 | 6 | | 50 |
| Benzo(a)anthracene | 74 | | 73 | | 40-140 | 1 | | 50 |
| Benzo(a)pyrene | 74 | | 74 | | 40-140 | 0 | | 50 |
| Benzo(b)fluoranthene | 72 | | 74 | | 40-140 | 3 | | 50 |
| Benzo(k)fluoranthene | 77 | | 72 | | 40-140 | 7 | | 50 |
| Chrysene | 74 | | 73 | | 40-140 | 1 | | 50 |
| Acenaphthylene | 69 | | 61 | | 40-140 | 12 | | 50 |
| Anthracene | 75 | | 71 | | 40-140 | 5 | | 50 |
| Benzo(ghi)perylene | 70 | | 72 | | 40-140 | 3 | | 50 |
| Fluorene | 72 | | 67 | | 40-140 | 7 | | 50 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG685060-2 WG685060-3 | | | | | | | | |
| Phenanthrene | 74 | | 73 | | 40-140 | 1 | | 50 |
| Dibenzo(a,h)anthracene | 72 | | 74 | | 40-140 | 3 | | 50 |
| Indeno(1,2,3-cd)Pyrene | 73 | | 73 | | 40-140 | 0 | | 50 |
| Pyrene | 70 | | 70 | | 35-142 | 0 | | 50 |
| Biphenyl | 73 | | 59 | | | 21 | | 50 |
| Aniline | 44 | | 41 | | 40-140 | 7 | | 50 |
| 4-Chloroaniline | 55 | | 49 | | 40-140 | 12 | | 50 |
| 2-Nitroaniline | 70 | | 66 | | 47-134 | 6 | | 50 |
| 3-Nitroaniline | 37 | | 47 | | 26-129 | 24 | | 50 |
| 4-Nitroaniline | 61 | | 64 | | 41-125 | 5 | | 50 |
| Dibenzofuran | 71 | | 64 | | 40-140 | 10 | | 50 |
| 2-Methylnaphthalene | 96 | | 80 | | 40-140 | 18 | | 50 |
| 1,2,4,5-Tetrachlorobenzene | 70 | | 55 | | 40-117 | 24 | | 50 |
| Acetophenone | 73 | | 58 | | 14-144 | 23 | | 50 |
| 2,4,6-Trichlorophenol | 69 | | 61 | | 30-130 | 12 | | 50 |
| P-Chloro-M-Cresol | 75 | | 68 | | 26-103 | 10 | | 50 |
| 2-Chlorophenol | 72 | | 58 | | 25-102 | 22 | | 50 |
| 2,4-Dichlorophenol | 72 | | 58 | | 30-130 | 22 | | 50 |
| 2,4-Dimethylphenol | 64 | | 52 | | 30-130 | 21 | | 50 |
| 2-Nitrophenol | 70 | | 56 | | 30-130 | 22 | | 50 |
| 4-Nitrophenol | 76 | | 76 | | 11-114 | 0 | | 50 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG685060-2 WG685060-3 | | | | | | | | |
| 2,4-Dinitrophenol | 66 | | 65 | | 4-130 | 2 | | 50 |
| 4,6-Dinitro-o-cresol | 73 | | 72 | | 10-130 | 1 | | 50 |
| Pentachlorophenol | 66 | | 66 | | 17-109 | 0 | | 50 |
| Phenol | 74 | | 58 | | 26-90 | 24 | | 50 |
| 2-Methylphenol | 70 | | 56 | | 30-130. | 22 | | 50 |
| 3-Methylphenol/4-Methylphenol | 77 | | 61 | | 30-130 | 23 | | 50 |
| 2,4,5-Trichlorophenol | 71 | | 65 | | 30-130 | 9 | | 50 |
| Benzoic Acid | 36 | | 28 | | | 25 | | 50 |
| Benzyl Alcohol | 74 | | 59 | | 40-140 | 23 | | 50 |
| Carbazole | 73 | | 72 | | 54-128 | 1 | | 50 |
| Benzaldehyde | 76 | | 63 | | | 19 | | 50 |
| Caprolactam | 53 | | 44 | | | 19 | | 50 |
| Atrazine | 79 | | 81 | | | 3 | | 50 |
| 2,3,4,6-Tetrachlorophenol | 66 | | 66 | | | 0 | | 50 |
| Pyridine | 59 | | 48 | | 10-93 | 21 | | 50 |
| 1-Methylnaphthalene | 70 | | 56 | | 26-130 | 22 | | 50 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG685060-2 WG685060-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 76 | | 61 | | 25-120 |
| Phenol-d6 | 76 | | 61 | | 10-120 |
| Nitrobenzene-d5 | 73 | | 59 | | 23-120 |
| 2-Fluorobiphenyl | 70 | | 58 | | 30-120 |
| 2,4,6-Tribromophenol | 74 | | 73 | | 0-136 |
| 4-Terphenyl-d14 | 70 | | 70 | | 18-120 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07-08 Batch: WG685279-2 WG685279-3 | | | | | | | | |
| Acenaphthene | 65 | | 64 | | 37-111 | 2 | | 40 |
| 2-Chloronaphthalene | 61 | | 61 | | 40-140 | 0 | | 40 |
| Fluoranthene | 92 | | 92 | | 40-140 | 0 | | 40 |
| Hexachlorobutadiene | 41 | | 42 | | 40-140 | 2 | | 40 |
| Naphthalene | 59 | | 60 | | 40-140 | 2 | | 40 |
| Benzo(a)anthracene | 95 | | 101 | | 40-140 | 6 | | 40 |
| Benzo(a)pyrene | 76 | | 80 | | 40-140 | 5 | | 40 |
| Benzo(b)fluoranthene | 95 | | 104 | | 40-140 | 9 | | 40 |
| Benzo(k)fluoranthene | 84 | | 87 | | 40-140 | 4 | | 40 |
| Chrysene | 73 | | 78 | | 40-140 | 7 | | 40 |
| Acenaphthylene | 71 | | 71 | | 40-140 | 0 | | 40 |
| Anthracene | 86 | | 84 | | 40-140 | 2 | | 40 |
| Benzo(ghi)perylene | 78 | | 79 | | 40-140 | 1 | | 40 |
| Fluorene | 75 | | 75 | | 40-140 | 0 | | 40 |
| Phenanthrene | 77 | | 77 | | 40-140 | 0 | | 40 |
| Dibenzo(a,h)anthracene | 86 | | 89 | | 40-140 | 3 | | 40 |
| Indeno(1,2,3-cd)Pyrene | 84 | | 86 | | 40-140 | 2 | | 40 |
| Pyrene | 89 | | 88 | | 26-127 | 1 | | 40 |
| 2-Methylnaphthalene | 64 | | 65 | | 40-140 | 2 | | 40 |
| Pentachlorophenol | 71 | | 74 | | 9-103 | 4 | | 40 |
| Hexachlorobenzene | 63 | | 64 | | 40-140 | 2 | | 40 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07-08 Batch: WG685279-2 WG685279-3 | | | | | | | | |
| Hexachloroethane | 56 | | 56 | | 40-140 | 0 | | 40 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 33 | | 33 | | 21-120 |
| Phenol-d6 | 23 | | 23 | | 10-120 |
| Nitrobenzene-d5 | 72 | | 72 | | 23-120 |
| 2-Fluorobiphenyl | 53 | | 55 | | 15-120 |
| 2,4,6-Tribromophenol | 66 | | 68 | | 10-120 |
| 4-Terphenyl-d14 | 76 | | 77 | | 41-149 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG685280-2 WG685280-3 | | | | | | | | |
| Acenaphthene | 62 | | 63 | | 37-111 | 2 | | 30 |
| 1,2,4-Trichlorobenzene | 40 | | 43 | | 39-98 | 7 | | 30 |
| Benzidine | 14 | | 19 | | | 30 | | 30 |
| n-Nitrosodimethylamine | 25 | | 28 | | | 11 | | 30 |
| Hexachlorobenzene | 84 | | 85 | | 40-140 | 1 | | 30 |
| Bis(2-chloroethyl)ether | 60 | | 64 | | 40-140 | 6 | | 30 |
| 2-Chloronaphthalene | 55 | | 58 | | 40-140 | 5 | | 30 |
| 1,2-Dichlorobenzene | 42 | | 45 | | 40-140 | 7 | | 30 |
| 1,3-Dichlorobenzene | 40 | | 42 | | 40-140 | 5 | | 30 |
| 1,4-Dichlorobenzene | 41 | | 44 | | 36-97 | 7 | | 30 |
| 3,3'-Dichlorobenzidine | 64 | | 58 | | 40-140 | 10 | | 30 |
| 2,4-Dinitrotoluene | 90 | | 88 | | 24-96 | 2 | | 30 |
| 2,6-Dinitrotoluene | 86 | | 90 | | 40-140 | 5 | | 30 |
| Azobenzene | 77 | | 77 | | 40-140 | 0 | | 30 |
| Fluoranthene | 88 | | 90 | | 40-140 | 2 | | 30 |
| 4-Chlorophenyl phenyl ether | 71 | | 73 | | 40-140 | 3 | | 30 |
| 4-Bromophenyl phenyl ether | 80 | | 81 | | 40-140 | 1 | | 30 |
| Bis(2-chloroisopropyl)ether | 52 | | 59 | | 40-140 | 13 | | 30 |
| Bis(2-chloroethoxy)methane | 68 | | 73 | | 40-140 | 7 | | 30 |
| Hexachlorobutadiene | **36** | Q | **39** | Q | 40-140 | 8 | | 30 |
| Hexachlorocyclopentadiene | **31** | Q | **33** | Q | 40-140 | 6 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG685280-2 WG685280-3 | | | | | | | | |
| Hexachloroethane | **37** | Q | **38** | Q | 40-140 | 3 | | 30 |
| Isophorone | 70 | | 74 | | 40-140 | 6 | | 30 |
| Naphthalene | 48 | | 54 | | 40-140 | 12 | | 30 |
| Nitrobenzene | 54 | | 64 | | 40-140 | 17 | | 30 |
| NitrosoDiPhenylAmine(NDPA)/DPA | 87 | | 86 | | 40-140 | 1 | | 30 |
| n-Nitrosodi-n-propylamine | 64 | | 70 | | 29-132 | 9 | | 30 |
| Bis(2-Ethylhexyl)phthalate | 94 | | 98 | | 40-140 | 4 | | 30 |
| Butyl benzyl phthalate | 88 | | 94 | | 40-140 | 7 | | 30 |
| Di-n-butylphthalate | 90 | | 93 | | 40-140 | 3 | | 30 |
| Di-n-octylphthalate | 96 | | 100 | | 40-140 | 4 | | 30 |
| Diethyl phthalate | 85 | | 86 | | 40-140 | 1 | | 30 |
| Dimethyl phthalate | 84 | | 85 | | 40-140 | 1 | | 30 |
| Benzo(a)anthracene | 87 | | 89 | | 40-140 | 2 | | 30 |
| Benzo(a)pyrene | 84 | | 91 | | 40-140 | 8 | | 30 |
| Benzo(b)fluoranthene | 85 | | 88 | | 40-140 | 3 | | 30 |
| Benzo(k)fluoranthene | 87 | | 90 | | 40-140 | 3 | | 30 |
| Chrysene | 89 | | 90 | | 40-140 | 1 | | 30 |
| Acenaphthylene | 66 | | 71 | | 45-123 | 7 | | 30 |
| Anthracene | 87 | | 88 | | 40-140 | 1 | | 30 |
| Benzo(ghi)perylene | 75 | | 84 | | 40-140 | 11 | | 30 |
| Fluorene | 74 | | 75 | | 40-140 | 1 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG685280-2 WG685280-3 | | | | | | | | |
| Phenanthrene | 83 | | 86 | | 40-140 | 4 | | 30 |
| Dibenzo(a,h)anthracene | 80 | | 87 | | 40-140 | 8 | | 30 |
| Indeno(1,2,3-cd)Pyrene | 76 | | 87 | | 40-140 | 13 | | 30 |
| Pyrene | 86 | | 88 | | 26-127 | 2 | | 30 |
| Biphenyl | 54 | | 57 | | | 5 | | 30 |
| Aniline | **29** | Q | **30** | Q | 40-140 | 3 | | 30 |
| 4-Chloroaniline | 52 | | 66 | | 40-140 | 24 | | 30 |
| 2-Nitroaniline | 92 | | 90 | | 52-143 | 2 | | 30 |
| 3-Nitroaniline | 64 | | 61 | | 25-145 | 5 | | 30 |
| 4-Nitroaniline | 79 | | 80 | | 51-143 | 1 | | 30 |
| Dibenzofuran | 68 | | 70 | | 40-140 | 3 | | 30 |
| 2-Methylnaphthalene | 49 | | 54 | | 40-140 | 10 | | 30 |
| 1,2,4,5-Tetrachlorobenzene | 44 | | 46 | | 2-134 | 4 | | 30 |
| Acetophenone | 67 | | 71 | | 39-129 | 6 | | 30 |
| 2,4,6-Trichlorophenol | 72 | | 77 | | 30-130 | 7 | | 30 |
| P-Chloro-M-Cresol | 73 | | 77 | | 23-97 | 5 | | 30 |
| 2-Chlorophenol | 52 | | 58 | | 27-123 | 11 | | 30 |
| 2,4-Dichlorophenol | 61 | | 67 | | 30-130 | 9 | | 30 |
| 2,4-Dimethylphenol | 59 | | 67 | | 30-130 | 13 | | 30 |
| 2-Nitrophenol | 62 | | 70 | | 30-130 | 12 | | 30 |
| 4-Nitrophenol | 20 | | 22 | | 10-80 | 10 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG685280-2 WG685280-3 | | | | | | | | |
| 2,4-Dinitrophenol | 49 | | 52 | | 20-130 | 6 | | 30 |
| 4,6-Dinitro-o-cresol | 74 | | 78 | | 20-164 | 5 | | 30 |
| Pentachlorophenol | 68 | | 71 | | 9-103 | 4 | | 30 |
| Phenol | 22 | | 25 | | 12-110 | 13 | | 30 |
| 2-Methylphenol | 46 | | 52 | | 30-130 | 12 | | 30 |
| 3-Methylphenol/4-Methylphenol | 46 | | 49 | | 30-130 | 6 | | 30 |
| 2,4,5-Trichlorophenol | 78 | | 82 | | 30-130 | 5 | | 30 |
| Benzoic Acid | 31 | | 28 | | | 10 | | 30 |
| Benzyl Alcohol | 43 | | 48 | | | 11 | | 30 |
| Carbazole | 91 | | 94 | | 55-144 | 3 | | 30 |
| Pyridine | 13 | | 20 | | 10-66 | **42** | Q | 30 |
| Benzaldehyde | 74 | | 84 | | 40-140 | 13 | | 30 |
| Caprolactam | 15 | | 17 | | 10-130 | 13 | | 30 |
| Atrazine | 87 | | 90 | | 40-140 | 3 | | 30 |
| 2,3,4,6-Tetrachlorophenol | 84 | | 84 | | 54-145 | 0 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG685280-2 WG685280-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 29 | | 33 | | 21-120 |
| Phenol-d6 | 20 | | 22 | | 10-120 |
| Nitrobenzene-d5 | 60 | | 69 | | 23-120 |
| 2-Fluorobiphenyl | 60 | | 66 | | 15-120 |
| 2,4,6-Tribromophenol | 75 | | 81 | | 10-120 |
| 4-Terphenyl-d14 | 79 | | 81 | | 41-149 |

# PCBS

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-01 | Date Collected: | 04/24/14 09:05 |
| Client ID: | GZA-1 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/27/14 08:28 |
| Analytical Date: | 04/28/14 14:39 | Cleanup Method1: | EPA 3665A |
| Analyst: | JW | Cleanup Date1: | 04/28/14 |
| Percent Solids: | 88% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 04/28/14 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.3 | 2.95 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 37.3 | 3.44 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 37.3 | 4.38 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 37.3 | 4.57 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 37.3 | 3.15 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 37.3 | 3.07 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 37.3 | 2.84 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 37.3 | 1.85 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 37.3 | 5.41 | 1 | A |
| PCBs, Total | ND | | ug/kg | 37.3 | 1.85 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 65 | | 30-150 | A |
| Decachlorobiphenyl | 69 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | B |
| Decachlorobiphenyl | 68 | | 30-150 | B |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-02 | Date Collected: | 04/24/14 09:15 |
| Client ID: | GZA-1 10-11 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/27/14 08:28 |
| Analytical Date: | 04/28/14 14:52 | Cleanup Method1: | EPA 3665A |
| Analyst: | JW | Cleanup Date1: | 04/28/14 |
| Percent Solids: | 96% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 04/28/14 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 33.2 | 2.63 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 33.2 | 3.07 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 33.2 | 3.90 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 33.2 | 4.07 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 33.2 | 2.81 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 33.2 | 2.73 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 33.2 | 2.53 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 33.2 | 1.65 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 33.2 | 4.82 | 1 | A |
| PCBs, Total | ND | | ug/kg | 33.2 | 1.65 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | A |
| Decachlorobiphenyl | 81 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 76 | | 30-150 | B |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-03 | Date Collected: | 04/24/14 09:35 |
| Client ID: | GZA-2 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/27/14 08:28 |
| Analytical Date: | 04/28/14 15:04 | Cleanup Method1: | EPA 3665A |
| Analyst: | JW | Cleanup Date1: | 04/28/14 |
| Percent Solids: | 91% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 04/28/14 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.6 | 2.89 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.6 | 3.38 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.6 | 4.29 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.6 | 4.48 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.6 | 3.09 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 36.6 | 3.01 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 36.6 | 2.79 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 36.6 | 1.82 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.6 | 5.31 | 1 | A |
| PCBs, Total | ND | | ug/kg | 36.6 | 1.82 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 | A |
| Decachlorobiphenyl | 68 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | B |
| Decachlorobiphenyl | 71 | | 30-150 | B |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-04 | Date Collected: | 04/24/14 09:40 |
| Client ID: | GZA-2 10-11 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/27/14 08:28 |
| Analytical Date: | 04/28/14 15:16 | Cleanup Method1: | EPA 3665A |
| Analyst: | JW | Cleanup Date1: | 04/28/14 |
| Percent Solids: | 70% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 04/28/14 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 46.6 | 3.68 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 46.6 | 4.29 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 46.6 | 5.46 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 46.6 | 5.70 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 46.6 | 3.93 | 1 | A |
| Aroclor 1254 | 61.1 | P | ug/kg | 46.6 | 3.83 | 1 | B |
| Aroclor 1260 | ND | | ug/kg | 46.6 | 3.55 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 46.6 | 2.31 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 46.6 | 6.75 | 1 | A |
| PCBs, Total | 61.1 | | ug/kg | 46.6 | 2.31 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 31 | | 30-150 | A |
| Decachlorobiphenyl | **29** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 31 | | 30-150 | B |
| Decachlorobiphenyl | 39 | | 30-150 | B |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-05 | Date Collected: | 04/24/14 10:25 |
| Client ID: | GZA-3 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/27/14 08:28 |
| Analytical Date: | 04/28/14 15:29 | Cleanup Method1: | EPA 3665A |
| Analyst: | JW | Cleanup Date1: | 04/28/14 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 04/28/14 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.8 | 2.91 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.8 | 3.39 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.8 | 4.31 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.8 | 4.50 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.8 | 3.10 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 36.8 | 3.02 | 1 | A |
| Aroclor 1260 | 17.3 | J | ug/kg | 36.8 | 2.80 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 36.8 | 1.82 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.8 | 5.34 | 1 | A |
| PCBs, Total | 17.3 | J | ug/kg | 36.8 | 1.82 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 30-150 | A |
| Decachlorobiphenyl | 74 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 | B |
| Decachlorobiphenyl | 92 | | 30-150 | B |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-06 | Date Collected: | 04/24/14 10:40 |
| Client ID: | GZA-4 0.5-1.5 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/27/14 08:28 |
| Analytical Date: | 04/28/14 15:41 | Cleanup Method1: | EPA 3665A |
| Analyst: | JW | Cleanup Date1: | 04/28/14 |
| Percent Solids: | 89% | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 04/28/14 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Polychlorinated Biphenyls by GC - Westborough Lab** | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.1 | 2.93 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 37.1 | 3.42 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 37.1 | 4.35 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 37.1 | 4.54 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 37.1 | 3.13 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 37.1 | 3.05 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 37.1 | 2.83 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 37.1 | 1.84 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 37.1 | 5.38 | 1 | A |
| PCBs, Total | ND | | ug/kg | 37.1 | 1.84 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | A |
| Decachlorobiphenyl | 74 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 72 | | 30-150 | B |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-07 | Date Collected: | 04/24/14 11:30 |
| Client ID: | TW-1 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8082A | Extraction Date: | 04/26/14 12:57 |
| Analytical Date: | 04/28/14 13:38 | Cleanup Method1: | EPA 3665A |
| Analyst: | JW | Cleanup Date1: | 04/28/14 |
| | | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 04/28/14 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.055 | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.053 | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.031 | 1 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.060 | 1 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.051 | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | 1 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.029 | 1 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.038 | 1 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.029 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | A |
| Decachlorobiphenyl | 50 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | B |
| Decachlorobiphenyl | 47 | | 30-150 | B |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-08 | Date Collected: | 04/24/14 12:00 |
| Client ID: | FIELD BLANK | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8082A | Extraction Date: | 04/26/14 12:57 |
| Analytical Date: | 04/28/14 13:50 | Cleanup Method1: | EPA 3665A |
| Analyst: | JW | Cleanup Date1: | 04/28/14 |
| | | Cleanup Method2: | EPA 3660B |
| | | Cleanup Date2: | 04/28/14 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.055 | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.053 | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.031 | 1 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.060 | 1 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.051 | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | 1 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.029 | 1 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.038 | 1 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.029 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | A |
| Decachlorobiphenyl | 56 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | B |
| Decachlorobiphenyl | 52 | | 30-150 | B |

**Project Name:** 233 LANDING RD

**Project Number:** 12.0076232.00

**Lab Number:** L1408689

**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/28/14 14:02
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 04/26/14 12:57
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/28/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/28/14

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07-08 Batch: WG685347-1 | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.055 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.053 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.031 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.060 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.051 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.034 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.029 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.038 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.029 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 68 | | 30-150 | B |
| Decachlorobiphenyl | 76 | | 30-150 | B |
| Decachlorobiphenyl | 83 | | 30-150 | A |

**Project Name:** 233 LANDING RD

**Project Number:** 12.0076232.00

**Lab Number:** L1408689

**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/28/14 15:53
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 04/27/14 08:31
Cleanup Method1: EPA 3665A
Cleanup Date1: 04/28/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 04/28/14

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG685381-1 | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.4 | 2.56 | A |
| Aroclor 1221 | ND | | ug/kg | 32.4 | 2.98 | A |
| Aroclor 1232 | ND | | ug/kg | 32.4 | 3.79 | A |
| Aroclor 1242 | ND | | ug/kg | 32.4 | 3.96 | A |
| Aroclor 1248 | ND | | ug/kg | 32.4 | 2.73 | A |
| Aroclor 1254 | ND | | ug/kg | 32.4 | 2.66 | A |
| Aroclor 1260 | ND | | ug/kg | 32.4 | 2.47 | A |
| Aroclor 1262 | ND | | ug/kg | 32.4 | 1.60 | A |
| Aroclor 1268 | ND | | ug/kg | 32.4 | 4.69 | A |
| PCBs, Total | ND | | ug/kg | 32.4 | 1.60 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | B |
| Decachlorobiphenyl | 70 | | 30-150 | B |
| Decachlorobiphenyl | 69 | | 30-150 | A |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07-08 Batch: WG685347-2 WG685347-3 | | | | | | | | | |
| Aroclor 1016 | 78 | | 77 | | 40-140 | 1 | | 50 | A |
| Aroclor 1260 | 89 | | 86 | | 40-140 | 3 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 61 | | 30-150 | A |
| Decachlorobiphenyl | 79 | | 78 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 67 | | 30-150 | B |
| Decachlorobiphenyl | 71 | | 70 | | 30-150 | B |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG685381-2 WG685381-3 | | | | | | | | | |
| Aroclor 1016 | 93 | | 88 | | 40-140 | 6 | | 50 | A |
| Aroclor 1260 | 73 | | 70 | | 40-140 | 4 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 81 | | 30-150 | A |
| Decachlorobiphenyl | 80 | | 73 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 94 | | 88 | | 30-150 | B |
| Decachlorobiphenyl | 82 | | 76 | | 30-150 | B |

# PESTICIDES

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1408689-07 | Date Collected: | 04/24/14 11:30 |
| Client ID: | TW-1 | Date Received: | 04/24/14 |
| Sample Location: | 233 LANDING RD. BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8081B | Extraction Date: | 04/27/14 11:54 |
| Analytical Date: | 04/30/14 05:49 | Cleanup Method1: | EPA 3620B |
| Analyst: | SH | Cleanup Date1: | 04/29/14 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.020 | 0.005 | 1 | A |
| Lindane | ND | | ug/l | 0.020 | 0.004 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.020 | 0.004 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.020 | 0.006 | 1 | A |
| Heptachlor | ND | | ug/l | 0.020 | 0.003 | 1 | A |
| Aldrin | ND | | ug/l | 0.020 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.020 | 0.004 | 1 | A |
| Endrin | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| Dieldrin | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.020 | 0.003 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.200 | 0.007 | 1 | A |
| Toxaphene | ND | | ug/l | 0.200 | 0.063 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.020 | 0.007 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.020 | 0.006 | 1 | A |
| Chlordane | ND | | ug/l | 0.200 | 0.046 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 30-150 | A |
| Decachlorobiphenyl | 113 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 | B |
| Decachlorobiphenyl | 70 | | 30-150 | B |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/30/14 05:10
Analyst: SH

Extraction Method: EPA 3510C
Extraction Date: 04/27/14 11:54
Cleanup Method1: EPA 3620B
Cleanup Date1: 04/29/14

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07 Batch: WG685385-1 | | | | | | |
| Delta-BHC | ND | | ug/l | 0.020 | 0.005 | A |
| Lindane | ND | | ug/l | 0.020 | 0.004 | A |
| Alpha-BHC | ND | | ug/l | 0.020 | 0.004 | A |
| Beta-BHC | ND | | ug/l | 0.020 | 0.006 | A |
| Heptachlor | ND | | ug/l | 0.020 | 0.003 | A |
| Aldrin | ND | | ug/l | 0.020 | 0.002 | A |
| Heptachlor epoxide | ND | | ug/l | 0.020 | 0.004 | A |
| Endrin | ND | | ug/l | 0.040 | 0.004 | A |
| Endrin ketone | ND | | ug/l | 0.040 | 0.005 | A |
| Dieldrin | ND | | ug/l | 0.040 | 0.004 | A |
| 4,4'-DDE | ND | | ug/l | 0.040 | 0.004 | A |
| 4,4'-DDD | ND | | ug/l | 0.040 | 0.005 | A |
| 4,4'-DDT | ND | | ug/l | 0.040 | 0.004 | A |
| Endosulfan I | ND | | ug/l | 0.020 | 0.003 | A |
| Endosulfan II | ND | | ug/l | 0.040 | 0.005 | A |
| Endosulfan sulfate | ND | | ug/l | 0.040 | 0.005 | A |
| Methoxychlor | ND | | ug/l | 0.200 | 0.007 | A |
| Toxaphene | ND | | ug/l | 0.200 | 0.063 | A |
| cis-Chlordane | ND | | ug/l | 0.020 | 0.007 | A |
| trans-Chlordane | ND | | ug/l | 0.020 | 0.006 | A |
| Chlordane | ND | | ug/l | 0.200 | 0.046 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 112 | | 30-150 | A |
| Decachlorobiphenyl | 108 | | 30-150 | B |
| Decachlorobiphenyl | **168** | Q | 30-150 | A |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG685385-2 WG685385-3 | | | | | | | | | |
| Delta-BHC | 105 | | 102 | | 30-150 | 3 | | 20 | A |
| Lindane | 121 | | 118 | | 30-150 | 3 | | 20 | A |
| Alpha-BHC | 118 | | 116 | | 30-150 | 2 | | 20 | A |
| Beta-BHC | 106 | | 103 | | 30-150 | 3 | | 20 | A |
| Heptachlor | 118 | | 115 | | 30-150 | 3 | | 20 | A |
| Aldrin | 132 | | 129 | | 30-150 | 2 | | 20 | A |
| Heptachlor epoxide | 128 | | 126 | | 30-150 | 2 | | 20 | A |
| Endrin | 140 | | 134 | | 30-150 | 4 | | 20 | A |
| Endrin ketone | 130 | | 129 | | 30-150 | 1 | | 20 | A |
| Dieldrin | 136 | | 134 | | 30-150 | 1 | | 20 | A |
| 4,4'-DDE | 142 | | 138 | | 30-150 | 3 | | 20 | A |
| 4,4'-DDD | 140 | | 136 | | 30-150 | 3 | | 20 | A |
| 4,4'-DDT | 142 | | 140 | | 30-150 | 1 | | 20 | A |
| Endosulfan I | 145 | | 144 | | 30-150 | 1 | | 20 | A |
| Endosulfan II | 136 | | 133 | | 30-150 | 2 | | 20 | A |
| Endosulfan sulfate | 127 | | 120 | | 30-150 | 6 | | 20 | A |
| Methoxychlor | 120 | | 122 | | 30-150 | 2 | | 20 | A |
| cis-Chlordane | 136 | | 135 | | 30-150 | 1 | | 20 | A |
| trans-Chlordane | 127 | | 127 | | 30-150 | 0 | | 20 | A |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG685385-2 WG685385-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 107 | | 100 | | 30-150 | A |
| Decachlorobiphenyl | **157** | Q | 142 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 81 | | 77 | | 30-150 | B |
| Decachlorobiphenyl | 109 | | 106 | | 30-150 | B |

# METALS

**Project Name:** 233 LANDING RD
**Lab Number:** L1408689
**Project Number:** 12.0076232.00
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-01
Client ID: GZA-1 0.5-1.5
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 04/24/14 09:05
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 10000 | | mg/kg | 8.7 | 1.7 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Antimony, Total | 4.3 | | mg/kg | 4.3 | 0.69 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Arsenic, Total | 7.7 | | mg/kg | 0.87 | 0.17 | 2 | 04/28/14 11:00 | 04/29/14 11:49 | EPA 3050B | 1,6010C | TT |
| Barium, Total | 140 | | mg/kg | 0.87 | 0.26 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Beryllium, Total | 0.16 | J | mg/kg | 0.43 | 0.09 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Cadmium, Total | 0.11 | J | mg/kg | 0.87 | 0.06 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Calcium, Total | 9900 | | mg/kg | 8.7 | 2.6 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Chromium, Total | 32 | | mg/kg | 0.87 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Cobalt, Total | 6.6 | | mg/kg | 1.7 | 0.43 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Copper, Total | 19 | | mg/kg | 0.87 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Iron, Total | 18000 | | mg/kg | 4.3 | 1.7 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Lead, Total | 84 | | mg/kg | 4.3 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Magnesium, Total | 6400 | | mg/kg | 8.7 | 0.87 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Manganese, Total | 260 | | mg/kg | 0.87 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Mercury, Total | ND | | mg/kg | 0.07 | 0.02 | 1 | 04/29/14 08:53 | 04/29/14 11:49 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 18 | | mg/kg | 2.2 | 0.35 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Potassium, Total | 5900 | | mg/kg | 220 | 35. | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Selenium, Total | ND | | mg/kg | 1.7 | 0.26 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Silver, Total | ND | | mg/kg | 0.87 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Sodium, Total | 280 | | mg/kg | 170 | 26. | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Thallium, Total | ND | | mg/kg | 1.7 | 0.35 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Vanadium, Total | 34 | | mg/kg | 0.87 | 0.09 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |
| Zinc, Total | 68 | | mg/kg | 4.3 | 0.61 | 2 | 04/28/14 11:00 | 04/28/14 15:40 | EPA 3050B | 1,6010C | TT |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00
**Lab Number:** L1408689
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-02
Client ID: GZA-1 10-11
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil
Percent Solids: 96%

Date Collected: 04/24/14 09:15
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 12000 | | mg/kg | 7.9 | 1.6 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Antimony, Total | ND | | mg/kg | 4.0 | 0.63 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Arsenic, Total | 7.5 | | mg/kg | 0.79 | 0.16 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Barium, Total | 240 | | mg/kg | 0.79 | 0.24 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Beryllium, Total | 0.13 | J | mg/kg | 0.40 | 0.08 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Cadmium, Total | ND | | mg/kg | 0.79 | 0.06 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Calcium, Total | 13000 | | mg/kg | 7.9 | 2.4 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Chromium, Total | 37 | | mg/kg | 0.79 | 0.16 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Cobalt, Total | 9.0 | | mg/kg | 1.6 | 0.40 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Copper, Total | 27 | | mg/kg | 0.79 | 0.16 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Iron, Total | 19000 | | mg/kg | 4.0 | 1.6 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Lead, Total | 13 | | mg/kg | 4.0 | 0.16 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Magnesium, Total | 8500 | | mg/kg | 7.9 | 0.79 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Manganese, Total | 260 | | mg/kg | 0.79 | 0.16 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Mercury, Total | ND | | mg/kg | 0.07 | 0.02 | 1 | 04/29/14 08:53 | 04/29/14 11:50 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 22 | | mg/kg | 2.0 | 0.32 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Potassium, Total | 7800 | | mg/kg | 200 | 32. | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Selenium, Total | ND | | mg/kg | 1.6 | 0.24 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Silver, Total | ND | | mg/kg | 0.79 | 0.16 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Sodium, Total | 230 | | mg/kg | 160 | 24. | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Thallium, Total | ND | | mg/kg | 1.6 | 0.32 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Vanadium, Total | 37 | | mg/kg | 0.79 | 0.08 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |
| Zinc, Total | 51 | | mg/kg | 4.0 | 0.56 | 2 | 04/28/14 11:00 | 04/28/14 16:23 | EPA 3050B | 1,6010C | TT |

**Project Name:** 233 LANDING RD
**Lab Number:** L1408689
**Project Number:** 12.0076232.00
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-03
Client ID: GZA-2 0.5-1.5
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 04/24/14 09:35
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 9400 | | mg/kg | 8.4 | 1.7 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Antimony, Total | ND | | mg/kg | 4.2 | 0.67 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Arsenic, Total | 8.8 | | mg/kg | 0.84 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Barium, Total | 120 | | mg/kg | 0.84 | 0.25 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Beryllium, Total | 0.17 | J | mg/kg | 0.42 | 0.08 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Cadmium, Total | ND | | mg/kg | 0.84 | 0.06 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Calcium, Total | 10000 | | mg/kg | 8.4 | 2.5 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Chromium, Total | 23 | | mg/kg | 0.84 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Cobalt, Total | 6.3 | | mg/kg | 1.7 | 0.42 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Copper, Total | 20 | | mg/kg | 0.84 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Iron, Total | 16000 | | mg/kg | 4.2 | 1.7 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Lead, Total | 40 | | mg/kg | 4.2 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Magnesium, Total | 5700 | | mg/kg | 8.4 | 0.84 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Manganese, Total | 210 | | mg/kg | 0.84 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Mercury, Total | 0.09 | | mg/kg | 0.08 | 0.02 | 1 | 04/29/14 08:53 | 04/29/14 12:22 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 14 | | mg/kg | 2.1 | 0.34 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Potassium, Total | 4000 | | mg/kg | 210 | 34. | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Selenium, Total | ND | | mg/kg | 1.7 | 0.25 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Silver, Total | ND | | mg/kg | 0.84 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Sodium, Total | 520 | | mg/kg | 170 | 25. | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Thallium, Total | ND | | mg/kg | 1.7 | 0.34 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Vanadium, Total | 28 | | mg/kg | 0.84 | 0.08 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |
| Zinc, Total | 74 | | mg/kg | 4.2 | 0.59 | 2 | 04/28/14 11:00 | 04/28/14 16:27 | EPA 3050B | 1,6010C | TT |

**Project Name:** 233 LANDING RD
**Lab Number:** L1408689
**Project Number:** 12.0076232.00
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-04
Client ID: GZA-2 10-11
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil
Percent Solids: 70%

Date Collected: 04/24/14 09:40
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 14000 | | mg/kg | 11 | 2.2 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Antimony, Total | 21 | | mg/kg | 5.5 | 0.88 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Arsenic, Total | 22 | | mg/kg | 1.1 | 0.22 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Barium, Total | 140 | | mg/kg | 1.1 | 0.33 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Beryllium, Total | ND | | mg/kg | 0.55 | 0.11 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Cadmium, Total | ND | | mg/kg | 1.1 | 0.08 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Calcium, Total | 26000 | | mg/kg | 11 | 3.3 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Chromium, Total | 630 | | mg/kg | 1.1 | 0.22 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Cobalt, Total | 3.7 | | mg/kg | 2.2 | 0.55 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Copper, Total | 4600 | | mg/kg | 1.1 | 0.22 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Iron, Total | 39000 | | mg/kg | 5.5 | 2.2 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Lead, Total | 150 | | mg/kg | 5.5 | 0.22 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Magnesium, Total | 900 | | mg/kg | 11 | 1.1 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Manganese, Total | 120 | | mg/kg | 1.1 | 0.22 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Mercury, Total | 1.7 | | mg/kg | 0.11 | 0.02 | 1 | 04/29/14 08:53 | 04/29/14 12:33 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 220 | | mg/kg | 2.7 | 0.44 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Potassium, Total | 4300 | | mg/kg | 270 | 44. | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Selenium, Total | 10 | | mg/kg | 2.2 | 0.33 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Silver, Total | 0.69 | J | mg/kg | 1.1 | 0.22 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Sodium, Total | 2400 | | mg/kg | 220 | 33. | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Thallium, Total | ND | | mg/kg | 2.2 | 0.44 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Vanadium, Total | 2400 | | mg/kg | 1.1 | 0.11 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |
| Zinc, Total | 760 | | mg/kg | 5.5 | 0.77 | 2 | 04/28/14 11:00 | 04/28/14 16:49 | EPA 3050B | 1,6010C | TT |

**Project Name:** 233 LANDING RD
**Lab Number:** L1408689
**Project Number:** 12.0076232.00
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-05
Client ID: GZA-3 0.5-1.5
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 04/24/14 10:25
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 12000 | | mg/kg | 8.6 | 1.7 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Antimony, Total | ND | | mg/kg | 4.3 | 0.69 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Arsenic, Total | 8.9 | | mg/kg | 0.86 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Barium, Total | 170 | | mg/kg | 0.86 | 0.26 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Beryllium, Total | 0.09 | J | mg/kg | 0.43 | 0.09 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Cadmium, Total | ND | | mg/kg | 0.86 | 0.06 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Calcium, Total | 32000 | | mg/kg | 8.6 | 2.6 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Chromium, Total | 45 | | mg/kg | 0.86 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Cobalt, Total | 7.8 | | mg/kg | 1.7 | 0.43 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Copper, Total | 17 | | mg/kg | 0.86 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Iron, Total | 19000 | | mg/kg | 4.3 | 1.7 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Lead, Total | 21 | | mg/kg | 4.3 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Magnesium, Total | 19000 | | mg/kg | 8.6 | 0.86 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Manganese, Total | 290 | | mg/kg | 0.86 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Mercury, Total | 0.04 | J | mg/kg | 0.07 | 0.02 | 1 | 04/29/14 08:53 | 04/29/14 12:35 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 21 | | mg/kg | 2.2 | 0.35 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Potassium, Total | 7600 | | mg/kg | 220 | 35. | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Selenium, Total | ND | | mg/kg | 1.7 | 0.26 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Silver, Total | ND | | mg/kg | 0.86 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Sodium, Total | 260 | | mg/kg | 170 | 26. | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Thallium, Total | ND | | mg/kg | 1.7 | 0.35 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Vanadium, Total | 43 | | mg/kg | 0.86 | 0.09 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |
| Zinc, Total | 65 | | mg/kg | 4.3 | 0.60 | 2 | 04/28/14 11:00 | 04/28/14 16:53 | EPA 3050B | 1,6010C | TT |

**Project Name:** 233 LANDING RD
**Lab Number:** L1408689
**Project Number:** 12.0076232.00
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-06
Client ID: GZA-4 0.5-1.5
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 04/24/14 10:40
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 5000 | | mg/kg | 8.6 | 1.7 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Antimony, Total | ND | | mg/kg | 4.3 | 0.69 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Arsenic, Total | 9.2 | | mg/kg | 0.86 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Barium, Total | 45 | | mg/kg | 0.86 | 0.26 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Beryllium, Total | 0.18 | J | mg/kg | 0.43 | 0.09 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Cadmium, Total | ND | | mg/kg | 0.86 | 0.06 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Calcium, Total | 43000 | | mg/kg | 8.6 | 2.6 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Chromium, Total | 8.5 | | mg/kg | 0.86 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Cobalt, Total | 3.1 | | mg/kg | 1.7 | 0.43 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Copper, Total | 37 | | mg/kg | 0.86 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Iron, Total | 9900 | | mg/kg | 4.3 | 1.7 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Lead, Total | 140 | | mg/kg | 4.3 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Magnesium, Total | 11000 | | mg/kg | 8.6 | 0.86 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Manganese, Total | 110 | | mg/kg | 0.86 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Mercury, Total | ND | | mg/kg | 0.08 | 0.02 | 1 | 04/29/14 08:53 | 04/29/14 12:36 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 6.9 | | mg/kg | 2.2 | 0.34 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Potassium, Total | 770 | | mg/kg | 220 | 34. | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Selenium, Total | 0.30 | J | mg/kg | 1.7 | 0.26 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Silver, Total | ND | | mg/kg | 0.86 | 0.17 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Sodium, Total | 230 | | mg/kg | 170 | 26. | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Thallium, Total | ND | | mg/kg | 1.7 | 0.34 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Vanadium, Total | 18 | | mg/kg | 0.86 | 0.09 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |
| Zinc, Total | 30 | | mg/kg | 4.3 | 0.60 | 2 | 04/28/14 11:00 | 04/28/14 16:57 | EPA 3050B | 1,6010C | TT |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00
**Lab Number:** L1408689
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-07
Client ID: TW-1
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Water

Date Collected: 04/24/14 11:30
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 7.53 | | mg/l | 0.200 | 0.0400 | 20 | 04/25/14 09:43 | 04/25/14 15:13 | EPA 3005A | 1,6020A | KL |
| Antimony, Total | 0.00084 | J | mg/l | 0.00200 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Arsenic, Total | 0.00588 | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Barium, Total | 0.5358 | | mg/l | 0.01000 | 0.00200 | 20 | 04/25/14 09:43 | 04/25/14 15:13 | EPA 3005A | 1,6020A | KL |
| Beryllium, Total | 0.00167 | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Cadmium, Total | 0.00063 | | mg/l | 0.00020 | 0.00005 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Calcium, Total | 40.0 | | mg/l | 2.00 | 0.640 | 20 | 04/25/14 09:43 | 04/25/14 15:13 | EPA 3005A | 1,6020A | KL |
| Chromium, Total | 0.03384 | | mg/l | 0.00100 | 0.00020 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Cobalt, Total | 0.02507 | | mg/l | 0.00020 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Copper, Total | 0.07383 | | mg/l | 0.00100 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Iron, Total | 22.5 | | mg/l | 0.0500 | 0.0130 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Lead, Total | 0.02760 | | mg/l | 0.00100 | 0.00020 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Magnesium, Total | 12.6 | | mg/l | 0.0700 | 0.0230 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Manganese, Total | 0.6034 | | mg/l | 0.01000 | 0.00200 | 20 | 04/25/14 09:43 | 04/25/14 15:13 | EPA 3005A | 1,6020A | KL |
| Mercury, Total | 0.00008 | J | mg/l | 0.00020 | 0.00006 | 1 | 04/26/14 09:02 | 04/26/14 12:48 | EPA 7470A | 1,7470A | AK |
| Nickel, Total | 0.04237 | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Potassium, Total | 5.47 | | mg/l | 0.100 | 0.0270 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Selenium, Total | 0.00822 | | mg/l | 0.00500 | 0.00030 | 1 | 04/25/14 09:43 | 04/26/14 09:12 | EPA 3005A | 1,6020A | KL |
| Silver, Total | ND | | mg/l | 0.00040 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Sodium, Total | 21.8 | | mg/l | 0.100 | 0.0150 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Thallium, Total | 0.00017 | J | mg/l | 0.00020 | 0.00003 | 1 | 04/25/14 09:43 | 04/26/14 09:12 | EPA 3005A | 1,6020A | KL |
| Vanadium, Total | 0.03675 | | mg/l | 0.00500 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |
| Zinc, Total | 0.1769 | | mg/l | 0.01000 | 0.00120 | 1 | 04/25/14 09:43 | 04/25/14 15:24 | EPA 3005A | 1,6020A | KL |

**Project Name:** 233 LANDING RD
**Lab Number:** L1408689
**Project Number:** 12.0076232.00
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-08
Client ID: FIELD BLANK
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Water

Date Collected: 04/24/14 12:00
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 0.00260 | J | mg/l | 0.0100 | 0.00200 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Antimony, Total | 0.00142 | J | mg/l | 0.00200 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Arsenic, Total | 0.00014 | J | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Barium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Cadmium, Total | ND | | mg/l | 0.00020 | 0.00005 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Calcium, Total | ND | | mg/l | 0.100 | 0.0320 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Chromium, Total | ND | | mg/l | 0.00100 | 0.00020 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Cobalt, Total | ND | | mg/l | 0.00020 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Copper, Total | 0.00051 | J | mg/l | 0.00100 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Iron, Total | ND | | mg/l | 0.0500 | 0.0130 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Lead, Total | ND | | mg/l | 0.00100 | 0.00020 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Magnesium, Total | ND | | mg/l | 0.0700 | 0.0230 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Manganese, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00006 | 1 | 04/26/14 09:02 | 04/26/14 12:53 | EPA 7470A | 1,7470A | AK |
| Nickel, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Potassium, Total | ND | | mg/l | 0.100 | 0.0270 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Selenium, Total | ND | | mg/l | 0.00500 | 0.00030 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Silver, Total | ND | | mg/l | 0.00040 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Sodium, Total | 0.0450 | J | mg/l | 0.100 | 0.0150 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00003 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Vanadium, Total | ND | | mg/l | 0.00500 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |
| Zinc, Total | 0.01169 | | mg/l | 0.01000 | 0.00120 | 1 | 04/25/14 09:43 | 04/25/14 14:48 | EPA 3005A | 1,6020A | KL |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

# Method Blank Analysis
# Batch Quality Control

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 07-08 Batch: WG685074-1 | | | | | | | | | | |
| Aluminum, Total | ND | | mg/l | 0.0100 | 0.00200 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Antimony, Total | 0.00177 | J | mg/l | 0.00200 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Arsenic, Total | 0.00010 | J | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Barium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Beryllium, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Cadmium, Total | ND | | mg/l | 0.00020 | 0.00005 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Calcium, Total | ND | | mg/l | 0.100 | 0.0320 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Chromium, Total | ND | | mg/l | 0.00100 | 0.00020 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Cobalt, Total | ND | | mg/l | 0.00020 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Copper, Total | 0.00049 | J | mg/l | 0.00100 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Iron, Total | ND | | mg/l | 0.0500 | 0.0130 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Lead, Total | ND | | mg/l | 0.00100 | 0.00020 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Magnesium, Total | ND | | mg/l | 0.0700 | 0.0230 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Manganese, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Nickel, Total | ND | | mg/l | 0.00050 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Potassium, Total | ND | | mg/l | 0.100 | 0.0270 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Selenium, Total | ND | | mg/l | 0.00500 | 0.00030 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Silver, Total | ND | | mg/l | 0.00040 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Sodium, Total | ND | | mg/l | 0.100 | 0.0150 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Thallium, Total | ND | | mg/l | 0.00050 | 0.00003 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Vanadium, Total | ND | | mg/l | 0.00500 | 0.00010 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |
| Zinc, Total | 0.00365 | J | mg/l | 0.01000 | 0.00120 | 1 | 04/25/14 09:43 | 04/25/14 14:41 | 1,6020A | KL |

**Prep Information**

Digestion Method: EPA 3005A

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 07-08 Batch: WG685301-1 | | | | | | | | | | |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00006 | 1 | 04/26/14 09:02 | 04/26/14 12:44 | 1,7470A | AK |

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

# Method Blank Analysis
# Batch Quality Control

**Prep Information**

Digestion Method: EPA 7470A

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 01-06 Batch: WG685494-1 | | | | | | | | | | |
| Aluminum, Total | ND | | mg/kg | 4.0 | 0.80 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Antimony, Total | 0.42 | J | mg/kg | 2.0 | 0.32 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Arsenic, Total | ND | | mg/kg | 0.40 | 0.08 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Barium, Total | ND | | mg/kg | 0.40 | 0.12 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Beryllium, Total | ND | | mg/kg | 0.20 | 0.04 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Cadmium, Total | ND | | mg/kg | 0.40 | 0.03 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Calcium, Total | ND | | mg/kg | 4.0 | 1.2 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Chromium, Total | ND | | mg/kg | 0.40 | 0.08 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Cobalt, Total | ND | | mg/kg | 0.80 | 0.20 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Copper, Total | ND | | mg/kg | 0.40 | 0.08 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Iron, Total | ND | | mg/kg | 2.0 | 0.80 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Lead, Total | ND | | mg/kg | 2.0 | 0.08 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Magnesium, Total | ND | | mg/kg | 4.0 | 0.40 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Manganese, Total | ND | | mg/kg | 0.40 | 0.08 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Nickel, Total | ND | | mg/kg | 1.0 | 0.16 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Potassium, Total | ND | | mg/kg | 100 | 16. | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Selenium, Total | ND | | mg/kg | 0.80 | 0.12 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Silver, Total | ND | | mg/kg | 0.40 | 0.08 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Sodium, Total | ND | | mg/kg | 80 | 12. | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Thallium, Total | ND | | mg/kg | 0.80 | 0.16 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Vanadium, Total | ND | | mg/kg | 0.40 | 0.04 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |
| Zinc, Total | ND | | mg/kg | 2.0 | 0.28 | 1 | 04/28/14 11:00 | 04/28/14 14:25 | 1,6010C | TT |

**Prep Information**

Digestion Method: EPA 3050B

**Project Name:** 233 LANDING RD **Lab Number:** L1408689

**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

# Method Blank Analysis
# Batch Quality Control

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG685609-1 | | | | | | | | | | |
| Mercury, Total | ND | | mg/kg | 0.08 | 0.02 | 1 | 04/29/14 08:53 | 04/29/14 11:05 | 1,7471B | MC |

**Prep Information**

Digestion Method: EPA 7471B

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 03-06 Batch: WG685614-1 | | | | | | | | | | |
| Mercury, Total | ND | | mg/kg | 0.08 | 0.02 | 1 | 04/29/14 08:53 | 04/29/14 12:00 | 1,7471B | MC |

**Prep Information**

Digestion Method: EPA 7471B

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 07-08 Batch: WG685074-2 | | | | | | | | |
| Aluminum, Total | 100 | | - | | 80-120 | - | | |
| Antimony, Total | 97 | | - | | 80-120 | - | | |
| Arsenic, Total | 102 | | - | | 80-120 | - | | |
| Barium, Total | 97 | | - | | 80-120 | - | | |
| Beryllium, Total | 104 | | - | | 80-120 | - | | |
| Cadmium, Total | 103 | | - | | 80-120 | - | | |
| Calcium, Total | 110 | | - | | 80-120 | - | | |
| Chromium, Total | 94 | | - | | 80-120 | - | | |
| Cobalt, Total | 96 | | - | | 80-120 | - | | |
| Copper, Total | 96 | | - | | 80-120 | - | | |
| Iron, Total | 98 | | - | | 80-120 | - | | |
| Lead, Total | 99 | | - | | 80-120 | - | | |
| Magnesium, Total | 108 | | - | | 80-120 | - | | |
| Manganese, Total | 95 | | - | | 80-120 | - | | |
| Nickel, Total | 96 | | - | | 80-120 | - | | |
| Potassium, Total | 104 | | - | | 80-120 | - | | |
| Selenium, Total | 112 | | - | | 80-120 | - | | |
| Silver, Total | 90 | | - | | 80-120 | - | | |
| Sodium, Total | 108 | | - | | 80-120 | - | | |
| Thallium, Total | 95 | | - | | 80-120 | - | | |
| Vanadium, Total | 98 | | - | | 80-120 | - | | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 07-08 Batch: WG685074-2 | | | | | |
| Zinc, Total | 100 | - | 80-120 | - | |
| Total Metals - Westborough Lab Associated sample(s): 07-08 Batch: WG685301-2 | | | | | |
| Mercury, Total | 82 | - | 80-120 | - | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG685494-2 SRM Lot Number: 0518-10-02 | | | | | |
| Aluminum, Total | 88 | - | 29-171 | - | |
| Antimony, Total | 112 | - | 4-196 | - | |
| Arsenic, Total | 100 | - | 81-119 | - | |
| Barium, Total | 96 | - | 83-118 | - | |
| Beryllium, Total | 98 | - | 83-117 | - | |
| Cadmium, Total | 94 | - | 82-117 | - | |
| Calcium, Total | 87 | - | 83-117 | - | |
| Chromium, Total | 92 | - | 80-119 | - | |
| Cobalt, Total | 95 | - | 83-117 | - | |
| Copper, Total | 92 | - | 83-117 | - | |
| Iron, Total | 94 | - | 51-150 | - | |
| Lead, Total | 92 | - | 80-120 | - | |
| Magnesium, Total | 88 | - | 74-126 | - | |
| Manganese, Total | 95 | - | 83-117 | - | |
| Nickel, Total | 94 | - | 82-117 | - | |
| Potassium, Total | 99 | - | 74-126 | - | |
| Selenium, Total | 98 | - | 80-120 | - | |
| Silver, Total | 94 | - | 66-134 | - | |
| Sodium, Total | 98 | - | 74-127 | - | |
| Thallium, Total | 96 | - | 79-120 | - | |
| Vanadium, Total | 89 | - | 79-121 | - | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG685494-2 SRM Lot Number: 0518-10-02 | | | | | |
| Zinc, Total | 91 | - | 82-119 | - | |
| Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG685609-2 SRM Lot Number: 0518-10-02 | | | | | |
| Mercury, Total | 111 | - | 67-133 | - | |
| Total Metals - Westborough Lab Associated sample(s): 03-06 Batch: WG685614-2 SRM Lot Number: 0518-10-02 | | | | | |
| Mercury, Total | 114 | - | 67-133 | - | |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG685074-4 QC Sample: L1408669-02 Client ID: MS Sample | | | | | | | | | | | | |
| Aluminum, Total | 0.008J | 2 | 2.06 | 103 | | - | - | | 75-125 | - | | 20 |
| Antimony, Total | 0.0012J | 0.5 | 0.4457 | 89 | | - | - | | 75-125 | - | | 20 |
| Arsenic, Total | 0.0003J | 0.12 | 0.1282 | 107 | | - | - | | 75-125 | - | | 20 |
| Barium, Total | 0.0427 | 2 | 2.048 | 100 | | - | - | | 75-125 | - | | 20 |
| Beryllium, Total | ND | 0.05 | 0.05373 | 107 | | - | - | | 75-125 | - | | 20 |
| Cadmium, Total | ND | 0.051 | 0.05329 | 104 | | - | - | | 75-125 | - | | 20 |
| Calcium, Total | 15.7 | 10 | 32.7 | **170** | Q | - | - | | 75-125 | - | | 20 |
| Chromium, Total | 0.0003J | 0.2 | 0.1951 | 98 | | - | - | | 75-125 | - | | 20 |
| Cobalt, Total | ND | 0.5 | 0.4937 | 99 | | - | - | | 75-125 | - | | 20 |
| Copper, Total | 0.00066J | 0.25 | 0.2443 | 98 | | - | - | | 75-125 | - | | 20 |
| Iron, Total | 0.034J | 1 | 1.01 | 101 | | - | - | | 75-125 | - | | 20 |
| Lead, Total | ND | 0.51 | 0.5268 | 103 | | - | - | | 75-125 | - | | 20 |
| Magnesium, Total | 3.22 | 10 | 7.45 | **42** | Q | - | - | | 75-125 | - | | 20 |
| Manganese, Total | 0.03661 | 0.5 | 0.5362 | 100 | | - | - | | 75-125 | - | | 20 |
| Nickel, Total | 0.00083 | 0.5 | 0.4924 | 98 | | - | - | | 75-125 | - | | 20 |
| Potassium, Total | 1.36 | 10 | 3.94 | **26** | Q | - | - | | 75-125 | - | | 20 |
| Selenium, Total | ND | 0.12 | 0.139 | 116 | | - | - | | 75-125 | - | | 20 |
| Silver, Total | ND | 0.05 | 0.04706 | 94 | | - | - | | 75-125 | - | | 20 |
| Sodium, Total | 28.5 | 10 | 35.6 | **71** | Q | - | - | | 75-125 | - | | 20 |
| Thallium, Total | ND | 0.12 | 0.1189 | 99 | | - | - | | 75-125 | - | | 20 |
| Vanadium, Total | 0.0002J | 0.5 | 0.5075 | 102 | | - | - | | 75-125 | - | | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG685074-4 QC Sample: L1408669-02 Client ID: MS Sample | | | | | | | | | |
| Zinc, Total | 0.01438 | 0.5 | 0.5279 | 103 | - | - | 75-125 | - | 20 |
| Total Metals - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG685301-4 QC Sample: L1408689-07 Client ID: TW-1 | | | | | | | | | |
| Mercury, Total | 0.00008J | 0.005 | 0.00506 | 101 | - | - | 75-125 | - | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG685494-4 QC Sample: L1408689-01 Client ID: GZA-1 0.5-1.5 | | | | | | | | | | |
| Aluminum, Total | 10000 | 170 | 13000 | **1760** | Q | - | - | 75-125 | - | 20 |
| Antimony, Total | 4.3 | 42.6 | 33 | 78 | | - | - | 75-125 | - | 20 |
| Arsenic, Total | 7.7 | 10.2 | 17 | 91 | | - | - | 75-125 | - | 20 |
| Barium, Total | 140 | 170 | 330 | 112 | | - | - | 75-125 | - | 20 |
| Beryllium, Total | 0.16J | 4.26 | 3.8 | 89 | | - | - | 75-125 | - | 20 |
| Cadmium, Total | 0.11J | 4.34 | 3.5 | 81 | | - | - | 75-125 | - | 20 |
| Calcium, Total | 9900 | 851 | 16000 | **717** | Q | - | - | 75-125 | - | 20 |
| Chromium, Total | 32. | 17 | 52 | 117 | | - | - | 75-125 | - | 20 |
| Cobalt, Total | 6.6 | 42.6 | 44 | 88 | | - | - | 75-125 | - | 20 |
| Copper, Total | 19. | 21.3 | 38 | 89 | | - | - | 75-125 | - | 20 |
| Iron, Total | 18000 | 85.1 | 21000 | **3520** | Q | - | - | 75-125 | - | 20 |
| Lead, Total | 84. | 43.4 | 120 | 83 | | - | - | 75-125 | - | 20 |
| Magnesium, Total | 6400 | 851 | 11000 | **540** | Q | - | - | 75-125 | - | 20 |
| Manganese, Total | 260 | 42.6 | 330 | **164** | Q | - | - | 75-125 | - | 20 |
| Nickel, Total | 18. | 42.6 | 55 | 87 | | - | - | 75-125 | - | 20 |
| Potassium, Total | 5900 | 851 | 8500 | **305** | Q | - | - | 75-125 | - | 20 |
| Selenium, Total | ND | 10.2 | 9.1 | 89 | | - | - | 75-125 | - | 20 |
| Silver, Total | ND | 25.5 | 22 | 86 | | - | - | 75-125 | - | 20 |
| Sodium, Total | 280 | 851 | 1100 | 96 | | - | - | 75-125 | - | 20 |
| Thallium, Total | ND | 10.2 | 7.5 | **73** | Q | - | - | 75-125 | - | 20 |
| Vanadium, Total | 34. | 42.6 | 77 | 101 | | - | - | 75-125 | - | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG685494-4 QC Sample: L1408689-01 Client ID: GZA-1 0.5-1.5 | | | | | | | | | |
| Zinc, Total | 68. | 42.6 | 110 | 99 | - | - | 75-125 | - | 20 |
| Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG685609-4 QC Sample: L1408590-02 Client ID: MS Sample | | | | | | | | | |
| Mercury, Total | 0.27 | 0.159 | 0.40 | 82 | - | - | 80-120 | - | 35 |
| Total Metals - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG685614-4 QC Sample: L1408689-03 Client ID: GZA-2 0.5-1.5 | | | | | | | | | |
| Mercury, Total | 0.09 | 0.158 | 0.25 | 99 | - | - | 80-120 | - | 35 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG685074-3 QC Sample: L1408669-02 Client ID: DUP Sample | | | | | | |
| Copper, Total | 0.00066J | 0.00060J | mg/l | NC | | 20 |
| Manganese, Total | 0.03661 | 0.03496 | mg/l | 5 | | 20 |
| Nickel, Total | 0.00083 | 0.00078 | mg/l | 6 | | 20 |
| Zinc, Total | 0.01438 | 0.01389 | mg/l | 3 | | 20 |
| Total Metals - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG685301-3 QC Sample: L1408689-07 Client ID: TW-1 | | | | | | |
| Mercury, Total | 0.00008J | 0.00007J | mg/l | NC | | 20 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | Native Sample | Duplicate Sample | Units | RPD | | RPD Limits |
|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG685494-3 QC Sample: L1408689-01 Client ID: GZA-1 0.5-1.5 | | | | | | |
| Aluminum, Total | 10000 | 13000 | mg/kg | **26** | Q | 20 |
| Antimony, Total | 4.3 | ND | mg/kg | NC | | 20 |
| Barium, Total | 140 | 160 | mg/kg | 13 | | 20 |
| Beryllium, Total | 0.16J | 0.20J | mg/kg | NC | | 20 |
| Cadmium, Total | 0.11J | ND | mg/kg | NC | | 20 |
| Calcium, Total | 9900 | 9400 | mg/kg | 5 | | 20 |
| Chromium, Total | 32. | 36 | mg/kg | 12 | | 20 |
| Cobalt, Total | 6.6 | 8.8 | mg/kg | **29** | Q | 20 |
| Copper, Total | 19. | 24 | mg/kg | **23** | Q | 20 |
| Iron, Total | 18000 | 22000 | mg/kg | 20 | | 20 |
| Lead, Total | 84. | 40 | mg/kg | **71** | Q | 20 |
| Magnesium, Total | 6400 | 7300 | mg/kg | 13 | | 20 |
| Manganese, Total | 260 | 330 | mg/kg | **24** | Q | 20 |
| Nickel, Total | 18. | 21 | mg/kg | 15 | | 20 |
| Potassium, Total | 5900 | 6800 | mg/kg | 14 | | 20 |
| Selenium, Total | ND | ND | mg/kg | NC | | 20 |
| Silver, Total | ND | ND | mg/kg | NC | | 20 |
| Sodium, Total | 280 | 290 | mg/kg | 4 | | 20 |
| Thallium, Total | ND | ND | mg/kg | NC | | 20 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | Native Sample | Duplicate Sample | Units | RPD | | RPD Limits |
|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG685494-3 QC Sample: L1408689-01 Client ID: GZA-1 0.5-1.5 | | | | | | |
| Vanadium, Total | 34. | 41 | mg/kg | 19 | | 20 |
| Zinc, Total | 68. | 79 | mg/kg | 15 | | 20 |
| Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG685494-3 QC Sample: L1408689-01 Client ID: GZA-1 0.5-1.5 | | | | | | |
| Arsenic, Total | 7.7 | 9.4 | mg/kg | 20 | | 20 |
| Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG685609-3 QC Sample: L1408590-02 Client ID: DUP Sample | | | | | | |
| Mercury, Total | 0.27 | 0.13 | mg/kg | **70** | Q | 35 |
| Total Metals - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG685614-3 QC Sample: L1408689-03 Client ID: GZA-2 0.5-1.5 | | | | | | |
| Mercury, Total | 0.09 | 0.08 | mg/kg | 18 | | 35 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-01
Client ID: GZA-1 0.5-1.5
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil

Date Collected: 04/24/14 09:05
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 88.0 | | % | 0.100 | NA | 1 | - | 04/25/14 18:25 | 30,2540G | RT |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-02
Client ID: GZA-1 10-11
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil

Date Collected: 04/24/14 09:15
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 96.0 | | % | 0.100 | NA | 1 | - | 04/25/14 18:25 | 30,2540G | RT |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-03
Client ID: GZA-2 0.5-1.5
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil

Date Collected: 04/24/14 09:35
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 90.7 | | % | 0.100 | NA | 1 | - | 04/25/14 18:25 | 30,2540G | RT |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-04
Client ID: GZA-2 10-11
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil

Date Collected: 04/24/14 09:40
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 69.8 | | % | 0.100 | NA | 1 | - | 04/25/14 18:25 | 30,2540G | RT |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-05
Client ID: GZA-3 0.5-1.5
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil

Date Collected: 04/24/14 10:25
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 89.4 | | % | 0.100 | NA | 1 | - | 04/25/14 18:25 | 30,2540G | RT |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

## SAMPLE RESULTS

Lab ID: L1408689-06
Client ID: GZA-4 0.5-1.5
Sample Location: 233 LANDING RD. BRONX, NY
Matrix: Soil

Date Collected: 04/24/14 10:40
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry - Westborough Lab** | | | | | | | | | | |
| Solids, Total | 89.4 | | % | 0.100 | NA | 1 | - | 04/25/14 18:25 | 30,2540G | RT |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG685235-1 QC Sample: L1408704-01 Client ID: DUP Sample | | | | | | |
| Solids, Total | 86.9 | 86.7 | % | 0 | | 20 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information Custody Seal**

| Cooler | |
|---|---|
| A | Absent |
| B | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1408689-01A | Amber 250ml unpreserved | A | N/A | 3.5 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1408689-02A | Amber 250ml unpreserved | A | N/A | 3.5 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1408689-03A | Amber 250ml unpreserved | A | N/A | 3.5 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |

*Values in parentheses indicate holding time in days

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

## Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1408689-04A | Amber 250ml unpreserved | A | N/A | 3.5 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1408689-05A | Amber 250ml unpreserved | A | N/A | 3.5 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1408689-06A | Amber 250ml unpreserved | A | N/A | 3.5 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1408689-07A | Vial HCl preserved | A | N/A | 3.5 | Y | Absent | NYTCL-8260(14) |
| L1408689-07B | Vial HCl preserved | A | N/A | 3.5 | Y | Absent | NYTCL-8260(14) |
| L1408689-07C | Vial HCl preserved | A | N/A | 3.5 | Y | Absent | NYTCL-8260(14) |
| L1408689-07D | Plastic 250ml HNO3 preserved | A | <2 | 3.5 | Y | Absent | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1408689-07E | Amber 500ml unpreserved | A | 7 | 3.5 | Y | Absent | NYTCL-8081(7) |
| L1408689-07F | Amber 500ml unpreserved | A | 7 | 3.5 | Y | Absent | NYTCL-8081(7) |
| L1408689-07G | Amber 1000ml unpreserved | A | 7 | 3.5 | Y | Absent | NYTCL-8082-1200ML(7) |

*Values in parentheses indicate holding time in days

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408689
**Report Date:** 05/01/14

## Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1408689-07H | Amber 1000ml unpreserved | A | 7 | 3.5 | Y | Absent | NYTCL-8082-1200ML(7) |
| L1408689-07I | Amber 1000ml unpreserved | A | 7 | 3.5 | Y | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1408689-07J | Amber 1000ml unpreserved | A | 7 | 3.5 | Y | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1408689-08A | Plastic 250ml HNO3 preserved | A | <2 | 3.5 | Y | Absent | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1408689-08B | Amber 1000ml unpreserved | A | 7 | 3.5 | Y | Absent | NYTCL-8082-1200ML(7) |
| L1408689-08C | Amber 1000ml unpreserved | A | 7 | 3.5 | Y | Absent | NYTCL-8082-1200ML(7) |
| L1408689-08D | Amber 1000ml unpreserved | A | 7 | 3.5 | Y | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1408689-08E | Amber 1000ml unpreserved | A | 7 | 3.5 | Y | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1408689-09A | Vial HCl preserved | A | N/A | 3.5 | Y | Absent | NYTCL-8260(14) |
| L1408689-09B | Vial HCl preserved | A | N/A | 3.5 | Y | Absent | NYTCL-8260(14) |

## Container Comments

L1408689-01A

L1408689-06A

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | 233 LANDING RD | **Lab Number:** | L1408689 |
| **Project Number:** | 12.0076232.00 | **Report Date:** | 05/01/14 |

# GLOSSARY

### *Acronyms*

| | |
|---|---|
| EDL | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME). |
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The lower value for the two columns has been reported due to obvious interference. |

*Report Format:* DU Report with 'J' Qualifiers

| | | | |
|---|---|---|---|
| **Project Name:** | 233 LANDING RD | **Lab Number:** | L1408689 |
| **Project Number:** | 12.0076232.00 | **Report Date:** | 05/01/14 |

***Data Qualifiers***

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**S** - Analytical results are from modified screening analysis.

**J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

*Report Format:* DU Report with 'J' Qualifiers

**Project Name:** 233 LANDING RD **Lab Number:** L1408689
**Project Number:** 12.0076232.00 **Report Date:** 05/01/14

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certification Information

Last revised April 15, 2014

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**The following analytes are not included in our NELAP Scope of Accreditation:**

**Westborough Facility**
**EPA 524.2:** Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
**EPA 8260C:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
**EPA 8330A/B:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
**EPA 8270D:** 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
**EPA 625:** 4-Chloroaniline, 4-Methylphenol.
**SM4500**: Soil: Total Phosphorus, TKN, NO2, NO3.
**EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

**Mansfield Facility**
**EPA 8270D:** Biphenyl.
**EPA 2540D:** TSS
**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

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**The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:**

***Drinking Water***
**EPA 200.8**: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
**EPA 300.0**: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
**EPA 332**: Perchlorate.
**Microbiology**: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

***Non-Potable Water***
**EPA 200.8**: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
**EPA 200.7**: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
**EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH**, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
**EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
**EPA 624**: Volatile Halocarbons & Aromatics,
**EPA 608**: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
**EPA 625**: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
**Microbiology**: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

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For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

# NEW JERSEY CHAIN OF CUSTODY

**Service Centers**
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page ___ of ___

Date Rec'd in Lab: 4/25/14

ALPHA Job #: L1408689

**Client Information**
Client: GZA
Address: 55 Lane Rd
Fairfield NJ 07004
Phone: 973-774-3300
Fax:
Email: brett.engard@gza.com

**Project Information**
Project Name: 233 Landing Rd
Project Location: 233 Landing Rd, Bronx, NY
Project # 12.0076232.00
(Use Project name as Project #) ☐
Project Manager: B. Alter
ALPHAQuote #:

**Turn-Around Time**
Standard ☒ Due Date: 5/1/14
Rush (only if pre approved) ☐ # of Days:

**Deliverables**
☐ NJ Full / Reduced
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

**Regulatory Requirement**
☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☒ Other NYSDEC Part 375

**Billing Information**
☐ Same as Client Info
PO #

**Site Information**
Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

**For EPH, selection is REQUIRED:**
☐ Category 1
☐ Category 2

**For VOC, selection is REQUIRED:**
☐ 1,4-Dioxane
☐ 8011

**Other project specific requirements/comments:**
**Please specify Metals or TAL.**

***Sample Filtration***
☐ Done
☐ Lab to do
***Preservation***
☐ Lab to do
***(Please Specify below)***

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | SVOCs | PCBs | TAL Metals | VOC | Pest | | | | Sample Specific Comments | Total Bottle |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08689-01 | GZA-1 0.5-1.5 | 4/24/14 | 9:05 | Soil | MM | X | X | X | | | | | | | 1 |
| -02 | GZA-1 10-11 | | 9:15 | Soil | MM | X | X | X | | | | | | | 1 |
| -03 | GZA-2 0.5-1.5 | | 9:35 | Soil | MM | X | X | X | | | | | | | 1 |
| -04 | GZA-2 10-11 | | 9:40 | Soil | MM | X | X | X | | | | | | | 1 |
| -05 | GZA-3 0.5-1.5 | | 1025 | Soil | MM | X | X | X | | | | | | | 1 |
| -06 | GZA-4 0.5-1.5 | | 1040 | Soil | MM | X | X | X | | | | | | | 1 |
| -07 | TW-1 | | 1130 | Water | MM | X | X | X | X | X | | | | | 11 |
| -08 | Field Blank | | 1200 | Water | MM | X | X | X | | | | | | | 6 |
| -09 | Trip Blank | | | Water | MM | | | | X | | | | | | 3 |
| | | | | | | | | | | | | | | | |

Preservative Code:
A = None
B = HCl
C = $HNO_3$
D = $H_2SO_4$
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Container Type | | | | | | | | | |
| Preservative | | | | | | | | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| [signature] | 16:04 4/24 | [signature] (AHL) | 4-24-14 16:05 |
| [signature] | 4-24-14 1815 | Tom Toner | 4-24-14 1815 |
| Tom Toner | 4-25-14 00:05 | [signature] | 4/25/14 00:05 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)

# APPENDIX F

# APPENDIX G

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1408726 |
| Client: | GZA GeoEnvironmental, Inc.<br>55 Lane Road<br>Suite 407<br>Fairfield, NJ 07004 |
| ATTN: | Benjamin Alter |
| Phone: | (973) 774-3300 |
| Project Name: | 233 LANDING RD |
| Project Number: | 12.0076232.00 |
| Report Date: | 04/30/14 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

| Alpha Sample ID | Client ID | Sample Location | Collection Date/Time |
|---|---|---|---|
| L1408726-01 | SG-1 | 233 LANDING RD, BRONX, NY | 04/24/14 13:15 |

**Project Name:** 233 LANDING RD **Lab Number:** L1408726
**Project Number:** 12.0076232.00 **Report Date:** 04/30/14

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

| | | | |
|---|---|---|---|
| **Project Name:** | 233 LANDING RD | **Lab Number:** | L1408726 |
| **Project Number:** | 12.0076232.00 | **Report Date:** | 04/30/14 |

**Case Narrative (continued)**

Volatile Organics in Air

Canisters were released from the laboratory on April 15, 2014. The canister certification results are provided as an addendum.

WG685949-5: The relative percent difference for Dichlorodifluoromethane (35%) is above the RPD limit of 25%. This compound represented less than 10% of the compounds detected, therefore no further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative

Date: 04/30/14

# AIR

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00
**Lab Number:** L1408726
**Report Date:** 04/30/14

## SAMPLE RESULTS

Lab ID: L1408726-01
Client ID: SG-1
Sample Location: 233 LANDING RD, BRONX, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/30/14 00:49
Analyst: RY

Date Collected: 04/24/14 13:15
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | 0.367 | 0.200 | -- | 1.81 | 0.989 | -- | | 1 |
| Chloromethane | 3.23 | 0.200 | -- | 6.67 | 0.413 | -- | | 1 |
| Freon-114 | ND | 0.200 | -- | ND | 1.40 | -- | | 1 |
| Vinyl chloride | 0.434 | 0.200 | -- | 1.11 | 0.511 | -- | | 1 |
| 1,3-Butadiene | 4.82 | 0.200 | -- | 10.7 | 0.442 | -- | | 1 |
| Bromomethane | ND | 0.200 | -- | ND | 0.777 | -- | | 1 |
| Chloroethane | 0.502 | 0.200 | -- | 1.32 | 0.528 | -- | | 1 |
| Ethanol | 24.7 | 2.50 | -- | 46.5 | 4.71 | -- | | 1 |
| Vinyl bromide | ND | 0.200 | -- | ND | 0.874 | -- | | 1 |
| Acetone | 161 | 1.00 | -- | 382 | 2.38 | -- | | 1 |
| Trichlorofluoromethane | 0.485 | 0.200 | -- | 2.73 | 1.12 | -- | | 1 |
| Isopropanol | ND | 0.500 | -- | ND | 1.23 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Tertiary butyl Alcohol | ND | 0.500 | -- | ND | 1.52 | -- | | 1 |
| Methylene chloride | ND | 1.00 | -- | ND | 3.47 | -- | | 1 |
| 3-Chloropropene | ND | 0.200 | -- | ND | 0.626 | -- | | 1 |
| Carbon disulfide | 36.0 | 0.200 | -- | 112 | 0.623 | -- | | 1 |
| Freon-113 | ND | 0.200 | -- | ND | 1.53 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| Methyl tert butyl ether | 0.820 | 0.200 | -- | 2.96 | 0.721 | -- | | 1 |
| 2-Butanone | 3.93 | 0.200 | -- | 11.6 | 0.590 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Ethyl Acetate | ND | 0.500 | -- | ND | 1.80 | -- | | 1 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00
**Lab Number:** L1408726
**Report Date:** 04/30/14

## SAMPLE RESULTS

Lab ID: L1408726-01
Client ID: SG-1
Sample Location: 233 LANDING RD, BRONX, NY
Date Collected: 04/24/14 13:15
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Chloroform | 0.351 | 0.200 | -- | 1.71 | 0.977 | -- | | 1 |
| Tetrahydrofuran | ND | 0.200 | -- | ND | 0.590 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| n-Hexane | 9.07 | 0.200 | -- | 32.0 | 0.705 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Benzene | 9.32 | 0.200 | -- | 29.8 | 0.639 | -- | | 1 |
| Carbon tetrachloride | ND | 0.200 | -- | ND | 1.26 | -- | | 1 |
| Cyclohexane | 3.64 | 0.200 | -- | 12.5 | 0.688 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Bromodichloromethane | 0.261 | 0.200 | -- | 1.75 | 1.34 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Trichloroethene | 1.50 | 0.200 | -- | 8.06 | 1.07 | -- | | 1 |
| 2,2,4-Trimethylpentane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Heptane | 3.66 | 0.200 | -- | 15.0 | 0.820 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 4-Methyl-2-pentanone | 0.769 | 0.200 | -- | 3.15 | 0.820 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Toluene | 4.16 | 0.200 | -- | 15.7 | 0.754 | -- | | 1 |
| 2-Hexanone | 0.422 | 0.200 | -- | 1.73 | 0.820 | -- | | 1 |
| Dibromochloromethane | ND | 0.200 | -- | ND | 1.70 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.200 | -- | ND | 1.54 | -- | | 1 |
| Tetrachloroethene | 0.819 | 0.200 | -- | 5.55 | 1.36 | -- | | 1 |
| Chlorobenzene | ND | 0.200 | -- | ND | 0.921 | -- | | 1 |
| Ethylbenzene | 1.18 | 0.200 | -- | 5.13 | 0.869 | -- | | 1 |
| p/m-Xylene | 2.81 | 0.400 | -- | 12.2 | 1.74 | -- | | 1 |
| Bromoform | ND | 0.200 | -- | ND | 2.07 | -- | | 1 |
| Styrene | 0.206 | 0.200 | -- | 0.877 | 0.852 | -- | | 1 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00
**Lab Number:** L1408726
**Report Date:** 04/30/14

## SAMPLE RESULTS

Lab ID: L1408726-01
Client ID: SG-1
Sample Location: 233 LANDING RD, BRONX, NY
Date Collected: 04/24/14 13:15
Date Received: 04/24/14
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| o-Xylene | 1.30 | 0.200 | -- | 5.65 | 0.869 | -- | | 1 |
| 4-Ethyltoluene | 0.339 | 0.200 | -- | 1.67 | 0.983 | -- | | 1 |
| 1,3,5-Trimethylbenzene | 0.356 | 0.200 | -- | 1.75 | 0.983 | -- | | 1 |
| 1,2,4-Trimethylbenzene | 1.24 | 0.200 | -- | 6.10 | 0.983 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.200 | -- | ND | 2.13 | -- | | 1 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-Difluorobenzene | 102 | | 60-140 |
| Bromochloromethane | 101 | | 60-140 |
| chlorobenzene-d5 | 107 | | 60-140 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/29/14 14:42

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG685949-4 | | | | | | | | |
| Propylene | ND | 0.500 | -- | ND | 0.861 | -- | | 1 |
| Dichlorodifluoromethane | ND | 0.200 | -- | ND | 0.989 | -- | | 1 |
| Chloromethane | ND | 0.200 | -- | ND | 0.413 | -- | | 1 |
| Freon-114 | ND | 0.200 | -- | ND | 1.40 | -- | | 1 |
| Vinyl chloride | ND | 0.200 | -- | ND | 0.511 | -- | | 1 |
| 1,3-Butadiene | ND | 0.200 | -- | ND | 0.442 | -- | | 1 |
| Bromomethane | ND | 0.200 | -- | ND | 0.777 | -- | | 1 |
| Chloroethane | ND | 0.200 | -- | ND | 0.528 | -- | | 1 |
| Ethanol | ND | 2.50 | -- | ND | 4.71 | -- | | 1 |
| Vinyl bromide | ND | 0.200 | -- | ND | 0.874 | -- | | 1 |
| Acetone | ND | 1.00 | -- | ND | 2.38 | -- | | 1 |
| Trichlorofluoromethane | ND | 0.200 | -- | ND | 1.12 | -- | | 1 |
| Isopropanol | ND | 0.500 | -- | ND | 1.23 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Tertiary butyl Alcohol | ND | 0.500 | -- | ND | 1.52 | -- | | 1 |
| Methylene chloride | ND | 1.00 | -- | ND | 3.47 | -- | | 1 |
| 3-Chloropropene | ND | 0.200 | -- | ND | 0.626 | -- | | 1 |
| Carbon disulfide | ND | 0.200 | -- | ND | 0.623 | -- | | 1 |
| Freon-113 | ND | 0.200 | -- | ND | 1.53 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| Methyl tert butyl ether | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Vinyl acetate | ND | 0.200 | -- | ND | 0.704 | -- | | 1 |
| 2-Butanone | ND | 0.200 | -- | ND | 0.590 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00
**Lab Number:** L1408726
**Report Date:** 04/30/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/29/14 14:42

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG685949-4 | | | | | | | | |
| Ethyl Acetate | ND | 0.500 | -- | ND | 1.80 | -- | | 1 |
| Chloroform | ND | 0.200 | -- | ND | 0.977 | -- | | 1 |
| Tetrahydrofuran | ND | 0.200 | -- | ND | 0.590 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| n-Hexane | ND | 0.200 | -- | ND | 0.705 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Benzene | ND | 0.200 | -- | ND | 0.639 | -- | | 1 |
| Carbon tetrachloride | ND | 0.200 | -- | ND | 1.26 | -- | | 1 |
| Cyclohexane | ND | 0.200 | -- | ND | 0.688 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Bromodichloromethane | ND | 0.200 | -- | ND | 1.34 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Trichloroethene | ND | 0.200 | -- | ND | 1.07 | -- | | 1 |
| 2,2,4-Trimethylpentane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Heptane | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 4-Methyl-2-pentanone | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Toluene | ND | 0.200 | -- | ND | 0.754 | -- | | 1 |
| 2-Hexanone | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| Dibromochloromethane | ND | 0.200 | -- | ND | 1.70 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.200 | -- | ND | 1.54 | -- | | 1 |
| Tetrachloroethene | ND | 0.200 | -- | ND | 1.36 | -- | | 1 |
| Chlorobenzene | ND | 0.200 | -- | ND | 0.921 | -- | | 1 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/29/14 14:42

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG685949-4 | | | | | | | | |
| Ethylbenzene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| p/m-Xylene | ND | 0.400 | -- | ND | 1.74 | -- | | 1 |
| Bromoform | ND | 0.200 | -- | ND | 2.07 | -- | | 1 |
| Styrene | ND | 0.200 | -- | ND | 0.852 | -- | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| o-Xylene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,3,5-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.200 | -- | ND | 2.13 | -- | | 1 |

| | Results | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| Tentatively Identified Compounds | | | | | |
| No Tentatively Identified Compounds | | | | | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG685949-3 | | | | | | | | |
| Chlorodifluoromethane | 94 | | - | | 70-130 | - | | |
| Propylene | 98 | | - | | 70-130 | - | | |
| Propane | 76 | | - | | 70-130 | - | | |
| Dichlorodifluoromethane | 90 | | - | | 70-130 | - | | |
| Chloromethane | 110 | | - | | 70-130 | - | | |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | 113 | | - | | 70-130 | - | | |
| Methanol | 89 | | - | | 70-130 | - | | |
| Vinyl chloride | 118 | | - | | 70-130 | - | | |
| 1,3-Butadiene | 111 | | - | | 70-130 | - | | |
| Butane | 101 | | - | | 70-130 | - | | |
| Bromomethane | 110 | | - | | 70-130 | - | | |
| Chloroethane | 112 | | - | | 70-130 | - | | |
| Ethyl Alcohol | 93 | | - | | 70-130 | - | | |
| Dichlorofluoromethane | 106 | | - | | 70-130 | - | | |
| Vinyl bromide | 106 | | - | | 70-130 | - | | |
| Acrolein | 97 | | - | | 70-130 | - | | |
| Acetone | 112 | | - | | 70-130 | - | | |
| Acetonitrile | 105 | | - | | 70-130 | - | | |
| Trichlorofluoromethane | 116 | | - | | 70-130 | - | | |
| iso-Propyl Alcohol | 105 | | - | | 70-130 | - | | |
| Acrylonitrile | 97 | | - | | 70-130 | - | | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG685949-3 | | | | | | | | |
| Pentane | 95 | | - | | 70-130 | - | | |
| Ethyl ether | 84 | | - | | 70-130 | - | | |
| 1,1-Dichloroethene | 107 | | - | | 70-130 | - | | |
| tert-Butyl Alcohol | 100 | | - | | 70-130 | - | | |
| Methylene chloride | 102 | | - | | 70-130 | - | | |
| 3-Chloropropene | 100 | | - | | 70-130 | - | | |
| Carbon disulfide | 94 | | - | | 70-130 | - | | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 107 | | - | | 70-130 | - | | |
| trans-1,2-Dichloroethene | 93 | | - | | 70-130 | - | | |
| 1,1-Dichloroethane | 105 | | - | | 70-130 | - | | |
| Methyl tert butyl ether | 90 | | - | | 70-130 | - | | |
| Vinyl acetate | 124 | | - | | 70-130 | - | | |
| 2-Butanone | 92 | | - | | 70-130 | - | | |
| cis-1,2-Dichloroethene | 115 | | - | | 70-130 | - | | |
| Ethyl Acetate | 111 | | - | | 70-130 | - | | |
| Chloroform | 110 | | - | | 70-130 | - | | |
| Tetrahydrofuran | 89 | | - | | 70-130 | - | | |
| 2,2-Dichloropropane | 90 | | - | | 70-130 | - | | |
| 1,2-Dichloroethane | 109 | | - | | 70-130 | - | | |
| n-Hexane | 100 | | - | | 70-130 | - | | |
| Isopropyl Ether | 94 | | - | | 70-130 | - | | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG685949-3 | | | | | | | | |
| Ethyl-Tert-Butyl-Ether | 92 | | - | | 70-130 | - | | |
| 1,1,1-Trichloroethane | 107 | | - | | 70-130 | - | | |
| 1,1-Dichloropropene | 96 | | - | | 70-130 | - | | |
| Benzene | 101 | | - | | 70-130 | - | | |
| Carbon tetrachloride | 108 | | - | | 70-130 | - | | |
| Cyclohexane | 98 | | - | | 70-130 | - | | |
| Tertiary-Amyl Methyl Ether | 89 | | - | | 70-130 | - | | |
| Dibromomethane | 102 | | - | | 70-130 | - | | |
| 1,2-Dichloropropane | 107 | | - | | 70-130 | - | | |
| Bromodichloromethane | 100 | | - | | 70-130 | - | | |
| 1,4-Dioxane | 96 | | - | | 70-130 | - | | |
| Trichloroethene | 111 | | - | | 70-130 | - | | |
| 2,2,4-Trimethylpentane | 103 | | - | | 70-130 | - | | |
| Methyl methacrylate | 100 | | - | | 70-130 | - | | |
| Heptane | 92 | | - | | 70-130 | - | | |
| cis-1,3-Dichloropropene | 105 | | - | | 70-130 | - | | |
| 4-Methyl-2-pentanone | 97 | | - | | 70-130 | - | | |
| trans-1,3-Dichloropropene | 89 | | - | | 70-130 | - | | |
| 1,1,2-Trichloroethane | 109 | | - | | 70-130 | - | | |
| Toluene | 103 | | - | | 70-130 | - | | |
| 1,3-Dichloropropane | 97 | | - | | 70-130 | - | | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG685949-3 | | | | | | | | |
| 2-Hexanone | 103 | | - | | 70-130 | - | | |
| Dibromochloromethane | 96 | | - | | 70-130 | - | | |
| 1,2-Dibromoethane | 105 | | - | | 70-130 | - | | |
| Butyl Acetate | 97 | | - | | 70-130 | - | | |
| Octane | 94 | | - | | 70-130 | - | | |
| Tetrachloroethene | 108 | | - | | 70-130 | - | | |
| 1,1,1,2-Tetrachloroethane | 100 | | - | | 70-130 | - | | |
| Chlorobenzene | 109 | | - | | 70-130 | - | | |
| Ethylbenzene | 104 | | - | | 70-130 | - | | |
| p/m-Xylene | 106 | | - | | 70-130 | - | | |
| Bromoform | 90 | | - | | 70-130 | - | | |
| Styrene | 103 | | - | | 70-130 | - | | |
| 1,1,2,2-Tetrachloroethane | 112 | | - | | 70-130 | - | | |
| o-Xylene | 108 | | - | | 70-130 | - | | |
| 1,2,3-Trichloropropane | 99 | | - | | 70-130 | - | | |
| Nonane (C9) | 94 | | - | | 70-130 | - | | |
| Isopropylbenzene | 102 | | - | | 70-130 | - | | |
| Bromobenzene | 96 | | - | | 70-130 | - | | |
| o-Chlorotoluene | 100 | | - | | 70-130 | - | | |
| n-Propylbenzene | 101 | | - | | 70-130 | - | | |
| p-Chlorotoluene | 100 | | - | | 70-130 | - | | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG685949-3 | | | | | | | | |
| 4-Ethyltoluene | 92 | | - | | 70-130 | - | | |
| 1,3,5-Trimethylbenzene | 107 | | - | | 70-130 | - | | |
| tert-Butylbenzene | 101 | | - | | 70-130 | - | | |
| 1,2,4-Trimethylbenzene | 111 | | - | | 70-130 | - | | |
| Decane (C10) | 104 | | - | | 70-130 | - | | |
| Benzyl chloride | 76 | | - | | 70-130 | - | | |
| 1,3-Dichlorobenzene | 114 | | - | | 70-130 | - | | |
| 1,4-Dichlorobenzene | 112 | | - | | 70-130 | - | | |
| sec-Butylbenzene | 103 | | - | | 70-130 | - | | |
| p-Isopropyltoluene | 94 | | - | | 70-130 | - | | |
| 1,2-Dichlorobenzene | 112 | | - | | 70-130 | - | | |
| n-Butylbenzene | 107 | | - | | 70-130 | - | | |
| 1,2-Dibromo-3-chloropropane | 98 | | - | | 70-130 | - | | |
| Undecane | 108 | | - | | 70-130 | - | | |
| Dodecane (C12) | 121 | | - | | 70-130 | - | | |
| 1,2,4-Trichlorobenzene | 121 | | - | | 70-130 | - | | |
| Naphthalene | 107 | | - | | 70-130 | - | | |
| 1,2,3-Trichlorobenzene | 109 | | - | | 70-130 | - | | |
| Hexachlorobutadiene | 124 | | - | | 70-130 | - | | |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG685949-5 QC Sample: L1408812-01 Client ID: DUP Sample | | | | | | |
| Propylene | 0.855 | 0.732 | ppbV | 16 | | 25 |
| Dichlorodifluoromethane | 0.304 | 0.214 | ppbV | **35** | Q | 25 |
| Chloromethane | ND | ND | ppbV | NC | | 25 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | ND | ppbV | NC | | 25 |
| Vinyl chloride | ND | ND | ppbV | NC | | 25 |
| 1,3-Butadiene | ND | ND | ppbV | NC | | 25 |
| Bromomethane | ND | ND | ppbV | NC | | 25 |
| Chloroethane | ND | ND | ppbV | NC | | 25 |
| Ethyl Alcohol | 3.16 | 3.38 | ppbV | 7 | | 25 |
| Vinyl bromide | ND | ND | ppbV | NC | | 25 |
| Acetone | 78.1 | 74.3 | ppbV | 5 | | 25 |
| Trichlorofluoromethane | 0.317 | 0.302 | ppbV | 5 | | 25 |
| iso-Propyl Alcohol | 11.9 | 12.2 | ppbV | 2 | | 25 |
| 1,1-Dichloroethene | ND | ND | ppbV | NC | | 25 |
| Methylene chloride | ND | ND | ppbV | NC | | 25 |
| 3-Chloropropene | ND | ND | ppbV | NC | | 25 |
| Carbon disulfide | 0.302 | 0.283 | ppbV | 6 | | 25 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | ND | ppbV | NC | | 25 |
| trans-1,2-Dichloroethene | ND | ND | ppbV | NC | | 25 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG685949-5 QC Sample: L1408812-01 Client ID: DUP Sample | | | | | |
| 1,1-Dichloroethane | ND | ND | ppbV | NC | 25 |
| Methyl tert butyl ether | ND | ND | ppbV | NC | 25 |
| Vinyl acetate | ND | ND | ppbV | NC | 25 |
| 2-Butanone | 2.63 | 2.50 | ppbV | 5 | 25 |
| cis-1,2-Dichloroethene | ND | ND | ppbV | NC | 25 |
| Ethyl Acetate | 1.62 | 1.54 | ppbV | 5 | 25 |
| Chloroform | 0.383 | 0.377 | ppbV | 2 | 25 |
| Tetrahydrofuran | 0.686 | 0.672 | ppbV | 2 | 25 |
| 1,2-Dichloroethane | ND | ND | ppbV | NC | 25 |
| n-Hexane | 0.308 | 0.301 | ppbV | 2 | 25 |
| 1,1,1-Trichloroethane | ND | ND | ppbV | NC | 25 |
| Benzene | 0.315 | 0.317 | ppbV | 1 | 25 |
| Carbon tetrachloride | ND | ND | ppbV | NC | 25 |
| Cyclohexane | 0.250 | 0.232 | ppbV | 7 | 25 |
| 1,2-Dichloropropane | ND | ND | ppbV | NC | 25 |
| Bromodichloromethane | ND | ND | ppbV | NC | 25 |
| 1,4-Dioxane | ND | ND | ppbV | NC | 25 |
| Trichloroethene | ND | ND | ppbV | NC | 25 |
| 2,2,4-Trimethylpentane | ND | ND | ppbV | NC | 25 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG685949-5 QC Sample: L1408812-01 Client ID: DUP Sample | | | | | |
| Heptane | 0.353 | 0.363 | ppbV | 3 | 25 |
| cis-1,3-Dichloropropene | ND | ND | ppbV | NC | 25 |
| 4-Methyl-2-pentanone | 0.718 | 0.659 | ppbV | 9 | 25 |
| trans-1,3-Dichloropropene | ND | ND | ppbV | NC | 25 |
| 1,1,2-Trichloroethane | ND | ND | ppbV | NC | 25 |
| Toluene | 2.09 | 2.20 | ppbV | 5 | 25 |
| 2-Hexanone | ND | ND | ppbV | NC | 25 |
| Dibromochloromethane | ND | ND | ppbV | NC | 25 |
| 1,2-Dibromoethane | ND | ND | ppbV | NC | 25 |
| Tetrachloroethene | ND | ND | ppbV | NC | 25 |
| Chlorobenzene | ND | ND | ppbV | NC | 25 |
| Ethylbenzene | 0.484 | 0.510 | ppbV | 5 | 25 |
| p/m-Xylene | 2.02 | 2.11 | ppbV | 4 | 25 |
| Bromoform | ND | ND | ppbV | NC | 25 |
| Styrene | ND | ND | ppbV | NC | 25 |
| 1,1,2,2-Tetrachloroethane | ND | ND | ppbV | NC | 25 |
| o-Xylene | 0.750 | 0.768 | ppbV | 2 | 25 |
| 4-Ethyltoluene | 0.269 | 0.274 | ppbV | 2 | 25 |
| 1,3,5-Trimethylbenzene | 0.288 | 0.310 | ppbV | 7 | 25 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG685949-5 QC Sample: L1408812-01 Client ID: DUP Sample | | | | | |
| 1,2,4-Trimethylbenzene | 1.32 | 1.38 | ppbV | 4 | 25 |
| Benzyl chloride | ND | ND | ppbV | NC | 25 |
| 1,3-Dichlorobenzene | 0.521 | 0.553 | ppbV | 6 | 25 |
| 1,4-Dichlorobenzene | ND | ND | ppbV | NC | 25 |
| 1,2-Dichlorobenzene | ND | ND | ppbV | NC | 25 |
| 1,2,4-Trichlorobenzene | ND | ND | ppbV | NC | 25 |
| Hexachlorobutadiene | ND | ND | ppbV | NC | 25 |

**Project Name:** 233 LANDING RD

**Lab Number:** L1408726

**Project Number:** 12.0076232.00

**Report Date:** 04/30/14

## Canister and Flow Controller Information

| Samplenum | Client ID | Media ID | Media Type | Date Prepared | Bottle Order | Cleaning Batch ID | Can Leak Check | Initial Pressure (in. Hg) | Pressure on Receipt (in. Hg) | Flow Controler Leak Chk | Flow Out mL/min | Flow In mL/min | % RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1408726-01 | SG-1 | 0581 | #30 SV | 04/15/14 | 101271 | | - | - | - | Pass | 40 | 42 | 5 |
| L1408726-01 | SG-1 | 1812 | 6.0L Can | 04/15/14 | 101271 | L1407475-03 | Pass | -29.7 | -5.8 | - | - | - | - |

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1407475
**Report Date:** 04/30/14

# Air Canister Certification Results

Lab ID: L1407475-03
Client ID: CAN 1866 SHELF 41
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/10/14 14:42
Analyst: AR

Date Collected: 04/09/14 15:39
Date Received: 04/10/14
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Chlorodifluoromethane | ND | 0.200 | -- | ND | 0.707 | -- | | 1 |
| Propylene | ND | 0.500 | -- | ND | 0.861 | -- | | 1 |
| Propane | ND | 0.500 | -- | ND | 0.902 | -- | | 1 |
| Dichlorodifluoromethane | ND | 0.200 | -- | ND | 0.989 | -- | | 1 |
| Chloromethane | ND | 0.200 | -- | ND | 0.413 | -- | | 1 |
| Freon-114 | ND | 0.200 | -- | ND | 1.40 | -- | | 1 |
| Methanol | ND | 5.00 | -- | ND | 6.55 | -- | | 1 |
| Vinyl chloride | ND | 0.200 | -- | ND | 0.511 | -- | | 1 |
| 1,3-Butadiene | ND | 0.200 | -- | ND | 0.442 | -- | | 1 |
| Butane | ND | 0.200 | -- | ND | 0.475 | -- | | 1 |
| Bromomethane | ND | 0.200 | -- | ND | 0.777 | -- | | 1 |
| Chloroethane | ND | 0.200 | -- | ND | 0.528 | -- | | 1 |
| Ethanol | ND | 2.50 | -- | ND | 4.71 | -- | | 1 |
| Dichlorofluoromethane | ND | 0.200 | -- | ND | 0.842 | -- | | 1 |
| Vinyl bromide | ND | 0.200 | -- | ND | 0.874 | -- | | 1 |
| Acrolein | ND | 0.500 | -- | ND | 1.15 | -- | | 1 |
| Acetone | ND | 1.00 | -- | ND | 2.38 | -- | | 1 |
| Acetonitrile | ND | 0.200 | -- | ND | 0.336 | -- | | 1 |
| Trichlorofluoromethane | ND | 0.200 | -- | ND | 1.12 | -- | | 1 |
| Isopropanol | ND | 0.500 | -- | ND | 1.23 | -- | | 1 |
| Acrylonitrile | ND | 0.200 | -- | ND | 0.434 | -- | | 1 |
| Pentane | ND | 0.200 | -- | ND | 0.590 | -- | | 1 |
| Ethyl ether | ND | 0.200 | -- | ND | 0.606 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Tertiary butyl Alcohol | ND | 0.500 | -- | ND | 1.52 | -- | | 1 |

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1407475
**Report Date:** 04/30/14

# Air Canister Certification Results

Lab ID: L1407475-03
Client ID: CAN 1866 SHELF 41
Sample Location:

Date Collected: 04/09/14 15:39
Date Received: 04/10/14
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Methylene chloride | ND | 1.00 | -- | ND | 3.47 | -- | | 1 |
| 3-Chloropropene | ND | 0.200 | -- | ND | 0.626 | -- | | 1 |
| Carbon disulfide | ND | 0.200 | -- | ND | 0.623 | -- | | 1 |
| Freon-113 | ND | 0.200 | -- | ND | 1.53 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| Methyl tert butyl ether | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Vinyl acetate | ND | 0.200 | -- | ND | 0.704 | -- | | 1 |
| 2-Butanone | ND | 0.200 | -- | ND | 0.590 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Ethyl Acetate | ND | 0.500 | -- | ND | 1.80 | -- | | 1 |
| Chloroform | ND | 0.200 | -- | ND | 0.977 | -- | | 1 |
| Tetrahydrofuran | ND | 0.200 | -- | ND | 0.590 | -- | | 1 |
| 2,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| n-Hexane | ND | 0.200 | -- | ND | 0.705 | -- | | 1 |
| Diisopropyl ether | ND | 0.200 | -- | ND | 0.836 | -- | | 1 |
| tert-Butyl Ethyl Ether | ND | 0.200 | -- | ND | 0.836 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| 1,1-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| Benzene | ND | 0.200 | -- | ND | 0.639 | -- | | 1 |
| Carbon tetrachloride | ND | 0.200 | -- | ND | 1.26 | -- | | 1 |
| Cyclohexane | ND | 0.200 | -- | ND | 0.688 | -- | | 1 |
| tert-Amyl Methyl Ether | ND | 0.200 | -- | ND | 0.836 | -- | | 1 |
| Dibromomethane | ND | 0.200 | -- | ND | 1.42 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Bromodichloromethane | ND | 0.200 | -- | ND | 1.34 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1407475
**Report Date:** 04/30/14

# Air Canister Certification Results

Lab ID: L1407475-03
Client ID: CAN 1866 SHELF 41
Sample Location:

Date Collected: 04/09/14 15:39
Date Received: 04/10/14
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Trichloroethene | ND | 0.200 | -- | ND | 1.07 | -- | | 1 |
| 2,2,4-Trimethylpentane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Methyl Methacrylate | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| Heptane | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 4-Methyl-2-pentanone | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Toluene | ND | 0.200 | -- | ND | 0.754 | -- | | 1 |
| 1,3-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| 2-Hexanone | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| Dibromochloromethane | ND | 0.200 | -- | ND | 1.70 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.200 | -- | ND | 1.54 | -- | | 1 |
| Butyl acetate | ND | 0.500 | -- | ND | 2.38 | -- | | 1 |
| Octane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Tetrachloroethene | ND | 0.200 | -- | ND | 1.36 | -- | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| Chlorobenzene | ND | 0.200 | -- | ND | 0.921 | -- | | 1 |
| Ethylbenzene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| p/m-Xylene | ND | 0.400 | -- | ND | 1.74 | -- | | 1 |
| Bromoform | ND | 0.200 | -- | ND | 2.07 | -- | | 1 |
| Styrene | ND | 0.200 | -- | ND | 0.852 | -- | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| o-Xylene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| 1,2,3-Trichloropropane | ND | 0.200 | -- | ND | 1.21 | -- | | 1 |
| Nonane | ND | 0.200 | -- | ND | 1.05 | -- | | 1 |
| Isopropylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| Bromobenzene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT
**Lab Number:** L1407475
**Report Date:** 04/30/14

# Air Canister Certification Results

Lab ID: L1407475-03
Client ID: CAN 1866 SHELF 41
Sample Location:

Date Collected: 04/09/14 15:39
Date Received: 04/10/14
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| 2-Chlorotoluene | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| n-Propylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 4-Chlorotoluene | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,3,5-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| tert-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| Decane | ND | 0.200 | -- | ND | 1.16 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| sec-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| p-Isopropyltoluene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| n-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | 0.200 | -- | ND | 1.93 | -- | | 1 |
| Undecane | ND | 0.200 | -- | ND | 1.28 | -- | | 1 |
| Dodecane | ND | 0.200 | -- | ND | 1.39 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Naphthalene | ND | 0.200 | -- | ND | 1.05 | -- | | 1 |
| 1,2,3-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.200 | -- | ND | 2.13 | -- | | 1 |

| | Results | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| Tentatively Identified Compounds | | | | | |
| No Tentatively Identified Compounds | | | | | |

**Project Name:** BATCH CANISTER CERTIFICATION **Lab Number:** L1407475

**Project Number:** CANISTER QC BAT **Report Date:** 04/30/14

# Air Canister Certification Results

Lab ID: L1407475-03 Date Collected: 04/09/14 15:39

Client ID: CAN 1866 SHELF 41 Date Received: 04/10/14

Sample Location: Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-Difluorobenzene | 96 | | 60-140 |
| Bromochloromethane | 99 | | 60-140 |
| chlorobenzene-d5 | 94 | | 60-140 |

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1407475
**Report Date:** 04/30/14

# Air Canister Certification Results

| | | | |
|---|---|---|---|
| Lab ID: | L1407475-03 | Date Collected: | 04/09/14 15:39 |
| Client ID: | CAN 1866 SHELF 41 | Date Received: | 04/10/14 |
| Sample Location: | | Field Prep: | Not Specified |
| Matrix: | Air | | |
| Anaytical Method: | 48,TO-15-SIM | | |
| Analytical Date: | 04/10/14 14:42 | | |
| Analyst: | AR | | |

| | ppbV | | | ug/m3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **Parameter** | **Results** | **RL** | **MDL** | **Results** | **RL** | **MDL** | **Qualifier** | **Dilution Factor** |
| Volatile Organics in Air by SIM - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | ND | 0.050 | -- | ND | 0.247 | -- | | 1 |
| Chloromethane | ND | 0.500 | -- | ND | 1.03 | -- | | 1 |
| Freon-114 | ND | 0.050 | -- | ND | 0.349 | -- | | 1 |
| Vinyl chloride | ND | 0.020 | -- | ND | 0.051 | -- | | 1 |
| 1,3-Butadiene | ND | 0.020 | -- | ND | 0.044 | -- | | 1 |
| Bromomethane | ND | 0.020 | -- | ND | 0.078 | -- | | 1 |
| Chloroethane | ND | 0.020 | -- | ND | 0.053 | -- | | 1 |
| Acetone | ND | 2.00 | -- | ND | 4.75 | -- | | 1 |
| Trichlorofluoromethane | ND | 0.050 | -- | ND | 0.281 | -- | | 1 |
| Acrylonitrile | ND | 0.500 | -- | ND | 1.09 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.020 | -- | ND | 0.079 | -- | | 1 |
| Methylene chloride | ND | 1.00 | -- | ND | 3.47 | -- | | 1 |
| Freon-113 | ND | 0.050 | -- | ND | 0.383 | -- | | 1 |
| Halothane | ND | 0.050 | -- | ND | 0.404 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.020 | -- | ND | 0.079 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.020 | -- | ND | 0.081 | -- | | 1 |
| Methyl tert butyl ether | ND | 0.020 | -- | ND | 0.072 | -- | | 1 |
| 2-Butanone | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.020 | -- | ND | 0.079 | -- | | 1 |
| Chloroform | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.020 | -- | ND | 0.081 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.020 | -- | ND | 0.109 | -- | | 1 |
| Benzene | ND | 0.100 | -- | ND | 0.319 | -- | | 1 |
| Carbon tetrachloride | ND | 0.020 | -- | ND | 0.126 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.020 | -- | ND | 0.092 | -- | | 1 |

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1407475
**Report Date:** 04/30/14

# Air Canister Certification Results

Lab ID: L1407475-03
Client ID: CAN 1866 SHELF 41
Sample Location:

Date Collected: 04/09/14 15:39
Date Received: 04/10/14
Field Prep: Not Specified

| | ppbV | | | ug/m3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **Parameter** | **Results** | **RL** | **MDL** | **Results** | **RL** | **MDL** | **Qualifier** | **Dilution Factor** |
| Volatile Organics in Air by SIM - Mansfield Lab | | | | | | | | |
| Bromodichloromethane | ND | 0.020 | -- | ND | 0.134 | -- | | 1 |
| 1,4-Dioxane | ND | 0.100 | -- | ND | 0.360 | -- | | 1 |
| Trichloroethene | ND | 0.020 | -- | ND | 0.107 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.020 | -- | ND | 0.091 | -- | | 1 |
| 4-Methyl-2-pentanone | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.020 | -- | ND | 0.091 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.020 | -- | ND | 0.109 | -- | | 1 |
| Toluene | ND | 0.050 | -- | ND | 0.188 | -- | | 1 |
| Dibromochloromethane | ND | 0.020 | -- | ND | 0.170 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.020 | -- | ND | 0.154 | -- | | 1 |
| Tetrachloroethene | ND | 0.020 | -- | ND | 0.136 | -- | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | 0.020 | -- | ND | 0.137 | -- | | 1 |
| Chlorobenzene | ND | 0.020 | -- | ND | 0.092 | -- | | 1 |
| Ethylbenzene | ND | 0.020 | -- | ND | 0.087 | -- | | 1 |
| p/m-Xylene | ND | 0.040 | -- | ND | 0.174 | -- | | 1 |
| Bromoform | ND | 0.020 | -- | ND | 0.207 | -- | | 1 |
| Styrene | ND | 0.020 | -- | ND | 0.085 | -- | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | 0.020 | -- | ND | 0.137 | -- | | 1 |
| o-Xylene | ND | 0.020 | -- | ND | 0.087 | -- | | 1 |
| Isopropylbenzene | ND | 0.500 | -- | ND | 2.46 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| 1,3,5-Trimethybenzene | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |
| sec-Butylbenzene | ND | 0.500 | -- | ND | 2.74 | -- | | 1 |
| p-Isopropyltoluene | ND | 0.500 | -- | ND | 2.74 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |

**Project Name:** BATCH CANISTER CERTIFICATION **Lab Number:** L1407475

**Project Number:** CANISTER QC BAT **Report Date:** 04/30/14

# Air Canister Certification Results

Lab ID: L1407475-03 Date Collected: 04/09/14 15:39

Client ID: CAN 1866 SHELF 41 Date Received: 04/10/14

Sample Location: Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air by SIM - Mansfield Lab | | | | | | | | |
| n-Butylbenzene | ND | 0.500 | -- | ND | 2.74 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.050 | -- | ND | 0.371 | -- | | 1 |
| Naphthalene | ND | 0.050 | -- | ND | 0.262 | -- | | 1 |
| 1,2,3-Trichlorobenzene | ND | 0.050 | -- | ND | 0.371 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.050 | -- | ND | 0.533 | -- | | 1 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-difluorobenzene | 104 | | 60-140 |
| bromochloromethane | 106 | | 60-140 |
| chlorobenzene-d5 | 117 | | 60-140 |

**Project Name:** 233 LANDING RD
**Project Number:** 12.0076232.00

**Lab Number:** L1408726
**Report Date:** 04/30/14

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| N/A | Present/Intact |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1408726-01A | Canister - 6 Liter | N/A | N/A | | Y | Present/Intact | TO15-LL(30) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | 233 LANDING RD | **Lab Number:** | L1408726 |
| **Project Number:** | 12.0076232.00 | **Report Date:** | 04/30/14 |

# GLOSSARY

### *Acronyms*

| | |
|---|---|
| EDL | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME). |
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |
| **G** | - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated. |
| **H** | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection. |
| **I** | - The lower value for the two columns has been reported due to obvious interference. |

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | 233 LANDING RD | **Lab Number:** | L1408726 |
| **Project Number:** | 12.0076232.00 | **Report Date:** | 04/30/14 |

***Data Qualifiers***

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**S** - Analytical results are from modified screening analysis.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

**Project Name:** 233 LANDING RD **Lab Number:** L1408726
**Project Number:** 12.0076232.00 **Report Date:** 04/30/14

## REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certification Information

Last revised April 15, 2014

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**The following analytes are not included in our NELAP Scope of Accreditation:**

**Westborough Facility**
**EPA 524.2:** Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
**EPA 8260C:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
**EPA 8330A/B:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
**EPA 8270D:** 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
**EPA 625:** 4-Chloroaniline, 4-Methylphenol.
**SM4500**: Soil: Total Phosphorus, TKN, NO2, NO3.
**EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

**Mansfield Facility**
**EPA 8270D:** Biphenyl.
**EPA 2540D:** TSS
**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

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**The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:**

***Drinking Water***
**EPA 200.8**: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
**EPA 300.0**: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
**EPA 332**: Perchlorate.
**Microbiology**: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

***Non-Potable Water***
**EPA 200.8**: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
**EPA 200.7**: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
**EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH**, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
**EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
**EPA 624**: Volatile Halocarbons & Aromatics,
**EPA 608**: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
**EPA 625**: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
**Microbiology**: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

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For a complete listing of analytes and methods, please contact your Alpha Project Manager.

# AIR ANALYSIS

PAGE 1 OF 1

**CHAIN OF CUSTODY**

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/24/14

ALPHA Job #: L1408726

**Client Information**

Client: GZA
Address: 55 Lane Rd
Fairfield NJ 07004
Phone: 973-774-3300
Fax:
Email: brett.engvard@gza.com
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: 233 Landing Rd
Project Location: 233 Landing Rd, Bronx, NY
Project #: 12.0076232
Project Manager: Ben Alter
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

**Report Information - Data Deliverables**

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

**Billing Information**

☐ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State/Fed | Program | Criteria |
|---|---|---|
| NYSDOH | | |
| | | |
| | | |

Other Project Specific Requirements/Comments:

**All Columns Below Must Be Filled Out**

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Start Time | End Time | Initial Vacuum | Final Vacuum | Sample Matrix* | Sampler's Initials | Can Size | I D Can | I D - Flow Controller | TO-14A by TO-15 | TO-15 | TO-15 SIM | APH | FIXED GASES | TO-13A | TO-4 / TO-10 | Sample Comments (i.e. PID) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08726.01 | SG-1 | 4/24/14 | 11:15 | 1:15 | 29.81 | 5.75 | SV | MM | 6L | 1812 | 0581 | | X | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

| Relinquished By: | Date/Time | Received By: | Date/Time: |
|---|---|---|---|
| [illegible] | 4/24 16:05 | [illegible] (AAL) | 4-24-14 16:05 |
| Tom Toher | 4-24-14 1813 | Tom Toher | 4-24-14 1813 |
| Tom Toher | 4-24-14 | [illegible] | 4/24/14 |

Form No: 101-02 (19-Jun-09)

# APPENDIX B

# HEALTH AND SAFETY PLAN

# GZA SITE-SPECIFIC HEALTH, SAFETY & ACCIDENT PREVENTION STANDARD-PLAN

| 1. CLIENT/SITE/PROJECT INFORMATION | | |
|---|---|---|
| Client: Bowery Residents' Committee | | |
| Site Address: 233 Landing Road, Bronx, New York | | |
| Site Description, Work Environment: 0.7 acre asphalt parking lot. Adjacent landscaping includes: grass strips on two sides and woody vegetation on two sides. | | |
| Job/Project #: 12.0076232.00 | Estimated Start Date: April 16, 2014 | Estimated Finish Date: April 18, 2015 |
| Site is Covered by the Following Regulations: | OSHA HAZWOPER Standard ☐ | Mine Safety and Health Administration ☐ |

| 2. EMERGENCY INFORMATION | | |
|---|---|---|
| Hospital Name: St. Barnabas Hospital | | Hospital #: 718-960-9000 |
| Hospital Address: 4422 Third Avenue, Bronx, NY | | Directions and Street Map Attached: ☒ Yes |
| Local Fire #: 911 or | Local Ambulance #: 911 or | Local Police #: 911 or |
| **WorkCare Incident Intervention Services:** | **For non-emergencies, if an employee becomes hurt or sick call 888-449-7787** | |
| Other Emergency Contact(s): Ben Alter | Phone #'s: 973-774-3309 (w), 973-865-9017 (c) | |
| Site-Specific Emergency Preparedness/Response Procedures/Concerns: Please meet first responders at the main Site entrance on Landing Road. | | |

- All EHS Events (incidents, first aid, near misses, unsafe acts/conditions, fires, chemical spills, property damage, extraordinary safe behaviors) must be reported immediately to the Project Manager, and within 24hours to the EHS Event Reporting Portal at www.kelleronline.com/portal. Username gempl1; Password ge5607.
- In the event of a chemical release greater than 5 gallons, site personnel will evacuate the affected area and relocate to an upwind location. The GZA Field Safety Officer and client site representative shall be contacted immediately.
- Site work shall not be conducted during severe weather, including high winds and lightning. In the event of severe weather, stop work, lower any equipment (drill rigs), and evacuate the affected area.

| 3. SUB-SURFACE WORK, UNDERGROUND UTILITY LOCATION | |
|---|---|
| **Will subsurface explorations be conducted as part of this work?** ☒ Yes ☐ No | |
| **Site property ownership where underground explorations will be conducted on:** | Public Access Property ☐ Yes ☒ No<br>Private Property ☒ Yes ☐ No |
| **Have Necessary Underground Utility Notifications for Subsurface Work Been Made?** | ☒ Yes ☐ Yet to be conducted |
| **Specify Clearance Date & Time, Dig Safe Clearance I.D. #, And Other Relevant Information:** Trinity Environmental placed a NY One Call request on 03/13/2015; Ticket # 150720849. | |
| **IMPORTANT! For subsurface work, prior to the initiation of ground penetrating activities, GZA personnel to assess whether the underground utility clearance (UUC) process has been completed in an manner that appears acceptable, based on participation/ confirmation by other responsible parties (utility companies, subcontractor, client, owner, etc.), for the following:** | |

| | | | | |
|---|---|---|---|---|
| **Electric:** | ☒ Yes | ☐ No | ☐ NA | ☐ Other_____ |
| **Fuel (gas, petroleum, steam):** | ☒ Yes | ☐ No | ☐ NA | ☐ Other_____ |
| **Communication:** | ☒ Yes | ☐ No | ☐ NA | ☐ Other_____ |
| **Water:** | ☐ Yes | ☐ No | ☐ NA | ☐ Other_____ |
| **Sewer:** | ☐ Yes | ☐ No | ☐ NA | ☐ Other_____ |
| **Other:**_Empire City Subway Co._____ | ☒ Yes | ☐ No | ☐ NA | ☐ Other_____ |

**Comments:** A utilities mark-out will be completed prior to mobilization

| 4. SCOPE OF WORK | |
|---|---|
| **Any OSHA PERMIT-REQUIRED CONFINED SPACE entry?**<br>☐ **YES** ☒ **NO**<br>If yes, use Site Specific H&S Plan/Confined Space Entry Permit for that portion of the work | **Any INDOOR fieldwork?** ☐ **YES** ☒ **NO**<br>If yes, explain: |

| | |
|---|---|
| General project description, and phase(s) or work to which this H&S Plan applies. | Installation of soil and soil vapor boring(s) and installation of a temporary groundwater wells poins. |
| Specific Tasks Performed by GZA: | Observation, soil, soil vapor, and groundwater point advancement. Perform soil gas, soil and groundwater sampling. |
| Concurrent Tasks to be Performed by GZA Subcontractors (List Subcontractors by Name): | Trinity Environmental - Soil borings and temporary well installation |
| Concurrent Tasks to be Performed by Others: | None |

| 5. SITE-SPECIFIC OVERVIEW OF H&S HAZARDS/MITIGATIONS (NOTE: Based on Hazard Assessment, Section 11) | |
|---|---|
| Describe the major hazards expected to be present at the jobsite, and describe the safety measures to be implemented for worker protection. Use brief abstract statements or more detailed narrative as may be appropriate. | |
| **ON-SITE HAZARDS:** | **HAZARD MITIGATIONS:** |
| Petroleum based, and other potential compounds of concern | Use nitrile gloves while handling sample bottles and containers, and wear safety glasses while sampling to reduce contact and splash hazards. Practice good hygiene (i.e. washing hands) prior to smoking or eating. |
| On-Site vehicular and pedestrian traffic | Wear high visibility vest. Cordon work area with caution tape and cones. Use a spotter when backing up and moving in and out of the location. |
| Mobilization of drill rig and other equipment on Site | Designated parking area for personnel vehicles. Keep good communication between operators of equipment and personnel within work area. Stand clear of moving equipment and position yourself in a safe location. Use spotters while moving between locations. |
| General Work Site Airborne Dust Hazards | Become familiar with hazards associated with hazardous commercial products used in drilling (fuels, silica sand, grout, cement, bentonite, etc.). Wet soils as needed to prevent airborne dust particles. |
| Positioning equipment | Make sure vehicle is stabilized and secured prior to drilling operations. Make sure jacks are on stable footing. Keep clear of overhead electrical wiring when raising rig hoist. |
| Slips, trips and falls | Be aware of equipment and tools within the work area. Keep a clean work area to reduce any tripping hazards. Store tools away when not in use. Clear foot paths of obstructions. Specially in snow conditions |
| General working environment | High visibility vests, ear protection, hard hats, steel-toe boots and safety glasses are required when on-Site at all times. |

| 6. HEALTH AND SAFETY EQUIPMENT AND CONTROLS | |
|---|---|
| **AIR MONITORING INSTRUMENTS** | **PERSONAL PROTECTIVE EQUIPMENT** |
| ☒ PID Type: Mini Rae Lamp Energy: 10.6 eV | ☐ Respirator Type: |
| ☐ FID Type: | ☐ Resp-Cartridge Type: |
| ☐ Carbon Monoxide Meter | ☒ Hardhat |
| ☐ Hydrogen Sulfide Meter | ☒ Outer Gloves Type: Nitrile |
| ☐ $O_2$/LEL Meter | ☐ Inner Gloves Type: |

☐ Particulate (Dust) Meter
☒ Calibration Gas Type: Isobutylene
☐ Others:
Note: Ensure instruments have been properly calibrated

**OTHER H&S EQUIPMENT & GEAR**

☐ Fire Extinguisher
☒ Caution Tape
☐ Traffic Cones or Stanchions
☐ Warning Signs or Placards
☒ Decon Buckets, Brushes, etc.
☐ Portable Ground Fault Interrupter (GFI)
☐ Lockout/Tagout Equipment
☐ Ventilation Equipment
☐ Others:

☒ Steel-toed boots/shoes
☐ Coveralls Type:
☐ Outer Boots Type:
☒ Eye Protection with side shields
☐ Face Shield
☒ Traffic Vest
☐ Personal Flotation Device (PFD)
☐ Fire Retardant Clothing
☐ EH (Electrical Hazard) Rated Boots, Gloves, etc.
☒ Noise/Hearing Protection
☐ Others:
**Discuss/Clarify, as Appropriate:**

## 7. AIR MONITORING ACTION LEVELS

**Is air monitoring to be performed for this project? Yes** ☒ **No** ☐

Make sure air monitoring instruments are in working order and have been calibrated prior to use. Depending on project-specific requirements, periodic field calibration checks may be necessary during the day of instrument use.

**ACTION LEVELS FOR OXYGEN DEFICIENCY AND EXPLOSIVE ATMOSPHERIC HAZARDS** (Action levels apply to occupied work space in general work area)

☐ **Applicable, See Below.** ☒ **Not Applicable**

| Parameter | Response Actions for Elevated Airborne Hazards |
|---|---|
| Oxygen | **At 19.5% or below** – Exit area, provide adequate ventilation, or proceed to Level B, or discontinue activities<br>Verify presence of adequate oxygen (approx. 12% or more) before taking readings with LEL meter.<br>Note: If oxygen levels are below 12%, LEL meter readings are not valid. |
| LEL | **Less than 10% LEL** – Continue working, continue to monitor LEL levels<br>**Greater than or Equal to 10% LEL** – Discontinue work operations and immediately withdraw from area. Resume work activities ONLY after LEL readings have been reduced to less than 10% through passive dissipation, or through active vapor control measures. |

**ACTION LEVELS FOR INHALATION OF TOXIC/HAZARDOUS SUBSTANCES** (Action levels are for sustained breathing zone concentrations)

☐ **Applicable, See Below.** ☒ **Not Applicable**

| Air Quality Parameters (Check all that apply) | Remain in Level D or Modified D | Response Actions for Elevated Airborne Hazards |
|---|---|---|
| ☒ VOCs | 0 to 25 ppm | From 0 ppm to 25 ppm: Proceed to Level C, or Ventilate, or Discontinue Activities<br>If greater than 25 ppm: Proceed to Level B, or, Ventilate, or Discontinue Activities |
| ☐ Carbon Monoxide | 0 to 35 ppm | At greater than 35 ppm, exit area, provide adequate ventilation, proceed to Level B, or discontinue activities. |
| ☐ Hydrogen Sulfide | 0 to 10 ppm | At greater than 10 ppm, exit area, provide adequate ventilation, proceed to Level B, or discontinue activities |
| ☐ Dust | 0 to mg/m$^3$ | |

**SPECIAL INSTRUCTIONS/COMMENTS REGARDING AIR MONITORING (IF APPLICABLE)**

## 8. H&S TRAINING/QUALIFICATIONS FOR FIELD PERSONNEL

- ☒ Project-Specific H&S Orientation (Required for All Projects/Staff)
- ☒ OSHA 40-Hour HAZWOPER/8 Hour Refreshers
- ☐ Hazard Communication (for project-specific chemical products)
- ☒ First Aid/CPR (at least one individual on site)
- ☐ General Construction Safety Training
- ☐ Lockout/Tagout Training
- ☐ Electrical Safety Training
- ☐ Bloodborne Pathogen Training
- ☐ Fall Protection Training
- ☐ Trenching & Excavation
- ☐ Current Medical Clearance Letter

**Discuss/Clarify, as needed:**

## 9. PROJECT PERSONNEL - ROLES AND RESPONSIBILITIES

**GZA ON-SITE PERSONNEL:**

| Name(s) | Project Title/Assigned Role | Telephone Numbers |
|---|---|---|
| Carlos Garcia | Site Supervisor | Work: 973-774-3310<br>Cell: 973-309-5233 |
| Same | Field Safety Officer | Work:<br>Cell: |
| Same | First Aid Personnel | Work:<br>Cell: |
| Same | GZA Project Team Members | Work:<br>Cell: |

**Site Supervisors and Project Managers (SS/PM)**: Responsibility for compliance with GZA Health and Safety programs, policies, procedures and applicable laws and regulations is shared by all GZA management and supervisory personnel. This includes the need for effective oversight and supervision of project staff necessary to control the Health and Safety aspects of GZA on-site activities.

**Site Safety Officer (SSO):** The SSO is responsible for implementation of the Site Specific Health and Safety Plan.

**First Aid Personnel:** At least one individual designated by GZA who has current training and certification in basic first aid and cardiopulmonary resuscitation (CPR) must be present during on-site activities involving multiple GZA personnel.

**GZA Project Team:** Follow instructions relayed by the HASP and GZA manager on-site.

**OTHER PROJECT PERSONNEL:**

| Name | Project Title/Assigned Role | Telephone Numbers |
|---|---|---|
| Ben Alter | Associate/Principal-in-Charge | Work: 973-774-3309<br>Cell: 973-865-9017 |
| Sandra Huber | Project Manager | Work: 973-774-3304<br>Cell: 201-213-1045 |
| Brett Engard | Health and Safety Coordinator (HSC) | Work: 973-774-3325<br>Cell: 347-640-2760 |
| Richard Ecord | GZA EHS Director | Work: 781-278-3809<br>Cell: 404-234-2834 |

**Principal-in-Charge:** Responsible of overall project oversight, including responsibility for Health and Safety.

**Project Manager:** Responsible for day-to-day project management, including Health and Safety.

**Health and Safety Coordinator:** General Health and Safety guidance and assistance.

**GZA EHS Director:** H &S technical and regulatory guidance, assistance regarding GZA H&S policies and procedures.

**10. HAZARD ASSESSMENT (CHECK ALL THAT APPLY)**

**A. GENERAL FIELDWORK HAZARDS**

| | |
|---|---|
| ☐ Confined Space Entry (STOP – Use Confined Space Entry HASP) | ☐ Overhead Hazards (i.e. falling objects, overhead power lines) |
| ☐ Abandoned or vacant building/Enclosed Spaces | ☐ Portable Hand Tools or Power Tools |
| ☐ Significant Slip/Trip/Fall Hazards | ☐ Significant Ergonomic Hazards |
| ☐ Unsanitary/Infectious Hazards | ☐ Electrical Hazards (i.e. Equipment 120 Volts or Greater, Work Inside Electrical Panels, or Maintenance of Electrical Equipment) |
| ☐ Poisonous Plants | ☐ Other Stored energy Hazards (i.e. Equipment with High Pressure or Stored Chemicals) |
| ☐ Biting/Stinging Insects | ☐ Fire and/or Explosion Hazard |
| ☐ Feral Animal Hazards | ☒ Elevated Noise Levels |
| ☐ Water/Wetlands Hazards | ☐ Excavations/Test Pits |
| ☐ Remote Locations/Navigation/Orientation hazards | ☐ Explosives or Unexploded Ordinance/MEC |
| ☐ Heavy Traffic or Work Alongside a Roadway | ☐ Long Distance or Overnight Travel |
| ☒ Weather-Related Hazards | ☐ Personal Security or High Crime Area Hazards |
| ☐ Motor vehicle operation Hazards | ☐ Working Alone |
| ☒ Heavy Equipment Hazards | ☐ Ionizing Radiation or Non-Ionizing Radiation |
| ☐ Structural Hazards (i.e. unsafe floors/stairways/roof) | ☒ Chemical/Exposure Hazards (See Part B for Details) |
| ☐ Demolition/Renovation | ☐ Other: |
| ☒ Presence of Pedestrians or the General Public | |

**B. CHEMICAL/EXPOSURE HAZARDS**

| | |
|---|---|
| ☐ No chemical hazards anticipated | ☐ Methane |
| ☐ Hydrogen Sulfide (H2S) | ☐ Chemicals Subject to OSHA Hazard Communication (Note: For commercial chemical products, attach MSDSs if applicable) |
| ☐ Cyanides, Hydrogen Cyanide (HCN) | ☐ Containerized Waste, Chemicals in Piping & Process Equipment |
| ☐ Carbon Monoxide | ☐ Emissions from Gasoline-, Diesel-, Propane-fired Engine, Heater, Similar Equipment |
| ☐ Herbicides, Pesticide, Fungicide, Animal Poisons | ☒ General Work Site Airborne Dust Hazards |
| ☒ Metals, Metal Compounds | ☒ Volatile Organic Compounds (VOCs), BTEX |
| ☐ Corrosives, Acids, Caustics, Strong Irritants | ☒ Chlorinated Organic Compounds |
| ☒ Polychlorinated Biphenyls (PCBs) | ☒ Fuel Oil, Gasoline, Petroleum Products, Waste Oil |
| ☒ Polycyclic Aromatic Hydrocarbons (PAHs) | ☐ Asbestos |
| ☐ Compressed Gases | ☐ Oxygen Deficiency, Asphyxiation Hazards |
| ☐ Flammable/Combustible Liquids | ☐ Other: |
| ☐ Radiation Hazards (i.e. radioactive sealed/open source, x-rays, ultra violet, infrared, radio-frequency, etc.) | |

## 11. PLAN ACKNOWLEDGEMENT AND APPROVALS

**GZA Employee Plan Acknowledgement**

*I have read, understood, and agree to abide by the information set forth in this Safety and Accident Prevention Plan. I will follow guidance in this plan and in the GZA Health and Safety Program Manual. I understand the training and medical monitoring requirements covered by the work outlined in this plan and have met those requirements.*

| GZA Employee Name | GZA Employee Signature | Date |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

**Subcontractor Employee Plan Acknowledgement**

*GZA has prepared this plan solely for the purpose of protecting the health and safety of GZA employees. Subcontractors, visitors, and others at the site must refer to their organization's health and safety program or site-specific HASP for their protection. Subcontractor employees may use this plan for general informational purposes only. Subcontractor firms are obligated to comply with safety regulations applicable to their work, and understand this plan covers GZA activities only.*

| Subcontractor Employee Name | Subcontractor Employee Signatures | Date |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

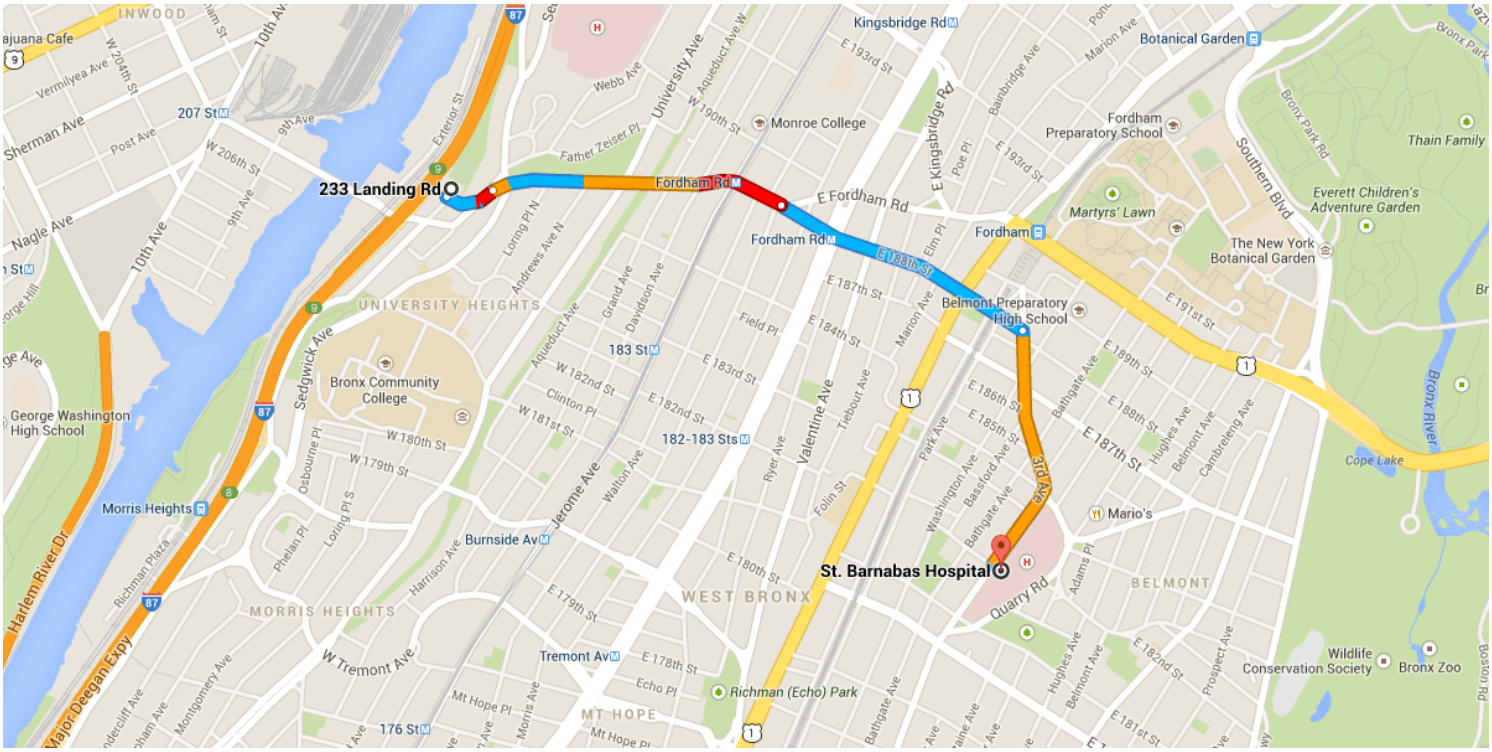
**GZA Site-Specific Health and Safety Plan Approval Signatures**

*The following individuals indicate their acknowledgement and/or approval of the contents of this Site Specific H&S Plan based on their understanding of project work activities, associated hazards and the appropriateness of health and safety measures to be implemented.*

| GZA Signatory | Employee Name | Employee Signature | Date |
|---|---|---|---|
| Preparer: | Arsheen Ehtesham | | |
| EHS Reviewer: | Brett Engard | | |
| PIC Approval: | Ben Alter | | |

Google

Directions from **233 Landing Rd** to **St. Barnabas Hospital** — Drive 1.6 mi, 6 min




## 233 Landing Rd

Bronx, NY 10468

1. Head **southeast** on **Landing Rd** toward **Cedar Ave** — 0.1 mi
2. Continue onto **W Fordham Rd** — 0.5 mi
3. Slight **right** onto **E 188th St** — 0.5 mi
4. Turn **right** onto **3rd Ave**

   Destination will be on the left — 0.5 mi

## St. Barnabas Hospital

4422 3rd Ave, New York, NY 10457

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Map data ©2014 Google

# GZA GEOENVIRONMENTAL, INC.
# JOB HAZARD ANALYSIS WORKSHEET

| | | |
|---|---|---|
| **Job: Groundwater Sampling** | | |
| **Analysis By: Andrew Whitsitt** | **Reviewed By: Guy Dalton** | **Approved By: Jayanti Chatterjee , CIH** |
| **Date: October 2, 2011**<br>**Revised: June 15, 2012** | **Date: June 15, 2012** | **Date: June 26, 2012** |

## Task 4.2
## GROUNDWATER SAMPLING

### HAZARD CONTROLS

| GZA Job Tasks | Potential Hazards | Controls |
|---|---|---|
| Review Related THA's –<br>21.1 – General Outdoor Field Work | | |
| Deploying Traffic Protection Equipment | Personal injury due to vehicle traffic; Collisions, injuries | GZA drivers shall be properly licensed and abide by driving safety procedures. Inspect vehicle to determine if it is in safe operating condition. |
| | | Park in designated parking locations, or select off-road areas that are firm and without hazards. Directly observe parking location on foot if necessary. |
| | | Use emergency flashers or other appropriate vehicle warning system as appropriate to local conditions. |
| | | Utilize police detail (when necessary) to direct traffic while entering traffic safety zone, if applicable. |
| Handling Flammable Liquids | Fire Hazards | Use only approved fuel containers for fuel, heavy duty metal cans with stable base and self closing nozzle is recommended. |
| | | Store flammable liquids in an appropriate area when not in use. |
| | | Provide working fire extinguisher with current inspection certificate with the sampling equipment. |
| | | Observe GZA's "no smoking" policy at all work sites. |
| Mobilizing Equipment | Collision; struck by | Perform a pre-operation check of the vehicle, ensuring service brakes, parking brake, steering, lights, tires, horn, wipers mirrors, and glass are in good condition. Do not drive a vehicle that is not roadworthy. |
| | | All vehicle occupants shall wear seat belts. |
| | | Secure loose materials in the cab or bed of the vehicle. |
| | | Keep the windows and lights clean. |
| | | Do not operate the vehicle if it is in an unsafe condition. |
| | | Abide by driving safety procedures and laws. |
| Positioning vehicle at monitoring well | Unstable, uneven terrain and ground obstacles | Locate the vehicle on stable ground. |

# GZA GEOENVIRONMENTAL, INC.
# JOB HAZARD ANALYSIS WORKSHEET

| | | |
|---|---|---|
| **Job: Groundwater Sampling** | | |
| **Analysis By: Andrew Whitsitt** | **Reviewed By: Guy Dalton** | **Approved By: Jayanti Chatterjee , CIH** |
| **Date: October 2, 2011**<br>**Revised: June 15, 2012** | **Date: June 15, 2012** | **Date: June 26, 2012** |

## Task 4.2
## GROUNDWATER SAMPLING

### HAZARD CONTROLS

| GZA Job Tasks | Potential Hazards | Controls |
|---|---|---|
| | Backing Collisions | Avoid wet areas/mud when possible. |
| | | Assess the need for blocking/chocking wheels.. |
| | | If possible, avoid backing by taking a route that allows you to pull straight through. |
| | | If you must back, do a complete walk around the vehicle to look for objects that could be struck or run over by the vehicle. |
| | | Use a spotter when available to help guide the backing safely. |
| | | Look over shoulders and glance back to make sure fenders are clearing objects. Back out slowly. |
| Well Sampling | Hazardous material contact | Identify wells with hazardous concentrations of contaminants. |
| | | Sample wells in order from least to most impacted. |
| | | Wear proper gloves specified in the project HASP when handling jars, preservatives could leak during shipment from the laboratory. |
| | Cuts and bruises from Sample jar | Do not over-tighten glass jars (especially VOAs); they can break, causing a laceration. |
| | Exposure to Hazardous Substances | Become familiar with the hazards associated with hazardous commercial products used while groundwater sampling (laboratory preservatives, decontamination solutions, etc.). Review Safety Data Sheets (SDS) for such products. |
| | | Wear proper personal protective equipment (PPE) as specified in the Health and Safety Plan (HASP) to avoid direct contact with Site contaminants, calibration solutions, decontamination supplies, and laboratory preservatives. |
| | | Respiratory protection as specified by the HASP must be available and used when necessary. |
| | | Decontamination procedures as specified in the HASP must be followed. |
| Sampling Equipment Operation | Splashes, electrical shocks, fires, caught by | Perform an equipment observation before use; pumps, flow meters, and water quality meters must be calibrated and in good working condition. |
| | | Use GFCI with all electrical cords. |

# GZA GEOENVIRONMENTAL, INC.
# JOB HAZARD ANALYSIS WORKSHEET

| | | |
|---|---|---|
| **Job: Groundwater Sampling** | | |
| **Analysis By: Andrew Whitsitt** | **Reviewed By: Guy Dalton** | **Approved By: Jayanti Chatterjee , CIH** |
| **Date: October 2, 2011**<br>**Revised: June 15, 2012** | **Date: June 15, 2012** | **Date: June 26, 2012** |

## Task 4.2
## GROUNDWATER SAMPLING

### HAZARD CONTROLS

| GZA Job Tasks | Potential Hazards | Controls |
|---|---|---|
| | | All equipment (especially generators) must be properly grounded. |
| | | Completely shut down all equipment prior to conducting maintenance activities, fueling, servicing or repairs. Follow lock-out/tag-out procedures as needed. |
| | Manual lifting, equipment handling | Use proper lifting techniques when lifting equipment (generators, pumps, air compressors, tubing, etc.) Seek assistance with heavy loads. |
| | | Use work gloves where appropriate to prevent hand injuries. |
| | | Wear steel toed boots. |
| | | When containerizing water, do not try to carry more than you can safely carry. It is better to make multiple trips. |
| | Noise | Wear appropriate hearing protection during activities that produce noise (running generators, pumps, air compressors, etc.) |
| | Slips, trips and falls | Maintain a clean and sanitary work area free of tripping/slipping hazards. |
| | | Store hand tools in their proper storage location when not in use. |
| | | Provide adequate space for each employee to work safely with sound footing. |
| | | Provide adequate lighting. |
| | Tool-related hazards | Do not use electrical tools with damaged cords or other electrical components. |
| | | Observe proper electrical safety practices. |
| | | Properly maintain tools; do not use damaged tools. |
| | | Wear eye protection. |
| | | Store and carry tools correctly. |
| | | Use the correct tool for the job. |
| | | Protect from gouges, hammer blows, cutting tools, etc. Position your hands to prevent injury in case the tool slips while in use. |

# GZA GEOENVIRONMENTAL, INC.
# JOB HAZARD ANALYSIS WORKSHEET

| | | |
|---|---|---|
| **Job: Soil-Gas Sampling** | | |
| **Analysis By: Joseph DiAntonio** | **Reviewed By: Guy Dalton** | **Approved By: Jayanti Chatterjee , CIH** |
| **Date: September 30, 2011**<br>**Revised: June 22, 2012** | **Date: June 22, 2012** | **Date: June 26, 2012** |

## Task 4.5
## Soil-Gas Sampling

### HAZARD CONTROLS

| GZA Job Tasks | Potential Hazards | Controls |
|---|---|---|
| Review Related THA's –<br>21.1 – General Outdoor Field Work | | |
| **Collection of Soil-Gas for Sampling** | Exposure to Hazardous Substances | Become familiar with hazards through review of Task Hazard Analysis and participate in daily safety tailgate meetings. |
| | | Communicate Task Hazard Analysis and Lessons Learned information to GZA field crew prior to initiating work and throughout the project as needed. |
| | | Be alert for hazardous site contaminants (as indicated by odor, visual characteristics, location, and site history). |
| | | Wear appropriate safety equipment as required by the Site Specific Health and Safety Plan (HASP) work area (hard hat, steel toe boots, work clothes, high visibility vest, eye and hearing protection, etc.). Implement work practices identified in the HASP. |
| | | Be familiar with hazards associated with products used where samples will be collected and potential compounds of concern during the remedial investigation. |
| | | Review and have Safety Data Sheets (SDSs) available on site for chemicals being used on site. |
| | Slips, Trips, and Falls | Become familiar with physical site specifics to reduce or eliminate slips, trips and falls due to uneven surfaces, onsite equipment, discarded materials, or working at height. |
| | Underground Utilities | Proper utility locations/clearance must be performed and the area checked for evidence of underground features prior to breaking ground. Review and comply with GZA Policy 04-0301 *Responsibility for Utility Clearance of Exploration Locations* . |
| | Electrical Conductor Hazards | Identify location of electrical conductors and maintain minimum approach distance of 25 feet. |
| | Poor visibility | Provide additional portable lighting if natural lighting is not adequate for performing the work safely. |

# GZA GEOENVIRONMENTAL, INC.
# JOB HAZARD ANALYSIS WORKSHEET

| | | |
|---|---|---|
| **Job: Soil-Gas Sampling** | | |
| **Analysis By: Joseph DiAntonio** | **Reviewed By: Guy Dalton** | **Approved By: Jayanti Chatterjee , CIH** |
| **Date: September 30, 2011**<br>**Revised: June 22, 2012** | **Date: June 22, 2012** | **Date: June 26, 2012** |

## Task 4.5
## Soil-Gas Sampling

### HAZARD CONTROLS

| GZA Job Tasks | Potential Hazards | Controls |
|---|---|---|
| | Manual Lifting, Equipment Handling | Use proper lifting techniques when lifting/moving objects or equipment to gain access into survey areas. Seek assistance with heavy loads. |
| | | Use work gloves where appropriate to prevent hand injuries. |
| | | Wear steel-toed work shoes. |
| | Personnel Decontamination | All personnel, clothing, and equipment leaving the contaminated area of the site must be decontaminated to remove any harmful chemicals or properly disposed. |
| **Sampling Near or In Roadways**: | Personal Injury Due to Vehicular Traffic | Wear high visibility safety vest when out of vehicle and in areas with vehicular traffic. |
| | | Park vehicle in designated parking locations, or select off-road area that is firm, and without hazards. Directly inspect parking location on foot if necessary. |
| | | If parking outside of a designated parking area, demarcate vehicle with traffic cones or equivalent. |
| | | Use emergency flashers or other appropriate vehicle warning system as appropriate to local conditions when parking vehicle. |
| | | Use police detail (if necessary) to direct traffic while |
| **Manual Installation of Sample Points** | Cuts, Bruises, Shocks, Lacerations, Sprains and Strains | Observe proper electrical safety practices. Do not use electrical tools with damaged cords or other electrical components. |
| | | Tools must be properly maintained; do not use damaged tools. |
| | | Wear proper Personal Protective Equipment. |
| | | Store and carry tools correctly. |
| | | Use the correct tool for the job. |
| | | Unplug tools or remove batteries when servicing or changing bit, blades, abrasive wheels or other components. |
| | | Protect your “off hand” from gouges, hammer blows, cutting tools, etc. Position your “off hand” to prevent injury in case of slip of the tool. |
| **Generator Use** | Fire / Burn Hazards from Generator Used to Power Drill, | All flammable/combustible liquids must be stored in proper containers. |
| | | A fire extinguisher (10 # class B/C, minimum) must be present on site. |

# GZA GEOENVIRONMENTAL, INC.
# JOB HAZARD ANALYSIS WORKSHEET

| | | |
|---|---|---|
| **Job: Soil-Gas Sampling** | | |
| **Analysis By: Joseph DiAntonio** | **Reviewed By: Guy Dalton** | **Approved By: Jayanti Chatterjee , CIH** |
| **Date: September 30, 2011**<br>**Revised: June 22, 2012** | **Date: June 22, 2012** | **Date: June 26, 2012** |

## Task 4.5
## Soil-Gas Sampling

| HAZARD CONTROLS | | |
|---|---|---|
| **GZA Job Tasks** | **Potential Hazards** | **Controls** |
| | | Generator must be placed on level, stable ground. Keep exhaust port/pipe away from potential flammable materials (i.e., dry brush, oily rags, etc). |
| | | Use care when working around hot exhaust port/pipe. |
| | | If a fuel powered generator is being used take precautions to prevent carbon monoxide and other exhaust fume build up on the work area and other potential areas occupied by personnel. |
| | | Vent outside of the work area away from other personnel/occupants. Where necessary have CO detector available to warn of hazardous concentrations. |

# GZA GEOENVIRONMENTAL, INC.
# JOB HAZARD ANALYSIS WORKSHEET

**Job: Field Sampling**

| | | |
|---|---|---|
| **Analysis By: Christie Wagner** | **Reviewed By: Jayanti Chatterjee, CIH** | **Approved By: Jayanti Chatterjee, CIH** |
| **Date: November 4, 2011**<br>**Revised: July 12, 2012** | **Date: July 12, 2012** | **Date: July 12, 2012** |

## Task 20.11
## Field Sampling

### HAZARD CONTROLS

| GZA Job Tasks | Potential Hazards | Controls |
|---|---|---|
| Review Related THA's –<br>21.1 General Outdoor Field Work | | |
| Pre work task for site visit | Adverse Weather Conditions | Assess weather conditions prior to on-site work and examine forecast for anticipated period of work. |
| | | Dress appropriately for weather conditions (e.g., precipitation, temperature ranges over anticipated duration of field work). |
| | | Use protective ointments such as sunscreen and chap stick, as appropriate to the field conditions. |
| | | Be aware of the anticipated weather conditions prior to mobilization to the site. Unacceptable field work conditions are not precise, but may include site specific conditions, general location, extreme weather conditions (e.g., icing, lightening, excessive cold or wind), travel conditions, and other factors. Professional judgment is required, and personal assessment of safety must always be individually assessed. |
| Conduct visual inspection of site | Dangerous Terrain | Be aware of the site terrain, watch for holes and rocks that can be tripping hazards |
| | | Learn to identify and watch for plants such as thorn bushes and poision ivy that can either scratch you or give you a rash. |
| Collecting sample | Muscle strain from lifting heavy objects | Use proper lifting techniques. Use appropriate mechanical assistance and tools when possible.<br>Wear work gloves and steel toed boots. |
| | Exposure to unknown sample | Be sure to treat effluent samples as unknowns and wear the proper PPE. |
| | | If there are any unusual odors/fumes coming from a sample, especially those that cause reactions in the eyes or nose, leave the area and inform a supervisor immediately. |

# GZA GEOENVIRONMENTAL, INC.
# JOB HAZARD ANALYSIS WORKSHEET

| | | |
|---|---|---|
| **Job: General Outdoor Field Work** | | |
| **Analysis By: Anthony Zemba, CHMM** | **Reviewed By: Guy Dalton** | **Approved By: Jayanti Chatterjee , CIH** |
| **Date: June 25, 2012** | **Date: June 25, 2012** | **Date: July 12, 2012** |

# Task 21.1
# General Outdoor Field Work

## HAZARD CONTROLS

| GZA Job Tasks | Potential Hazards | Controls |
|---|---|---|
| Pre-work preparation | Overlooking of potential hazards | Become familiar with project area and job site by reviewing available on-line mapping (USGS Topographic, NWI Wetland, NRCS Soil, etc.; and aerial photographs before visiting site. Understand related hazards through review of this and other Task Hazard Analyses and participate in daily safety tailgate meetings (where applicable). |
| | | Communicate Task Hazard Analysis and Lessons Learned information to operator(s) prior to initiating work and throughout the project as needed. |
| Driving to site | Vehicle accidents/collisions/injuries | Perform pre-operation check of vehicle, verifying service brakes, parking brake, steering, lights, tires, horn, wipers mirrors and glass are in good condition. verify that the rig is roadworthy. |
| | | Wear seat belts always when driving even on site. |
| | | Secure loose materials in cab or bed of vehicle. |
| | | Keep windshields, windows and lights cleans. |
| | | Abide by safe driving procedures. |
| | Backing collisions | If possible avoid backing by using a route that allows you to pull through. |
| | | If backing up from a parked area do a quality 360 walker. |
| Working within transportation corridors or active construction sites | Collisions injuries | Wear high visibility safety vest on site when out of personal or GZA vehicle. |
| | | Park vehicle in designated parking locations, or select off-road area that is firm, and without hazards. Directly inspect parking location on foot if necessary. |
| | | Use emergency flashers or other appropriate vehicle warning system as appropriate to local conditions when parking vehicle. |
| | | Use emergency flashers or other appropriate vehicle warning system when parking outside of standard parking spaces, or to stop in right-of- |
| | | Be alert at all times; never step outside traffic cones. |

# GZA GEOENVIRONMENTAL, INC.
# JOB HAZARD ANALYSIS WORKSHEET

| | | |
|---|---|---|
| **Job: General Outdoor Field Work** | | |
| **Analysis By: Anthony Zemba, CHMM** | **Reviewed By: Guy Dalton** | **Approved By: Jayanti Chatterjee , CIH** |
| **Date: June 25, 2012** | **Date: June 25, 2012** | **Date: July 12, 2012** |

## Task 21.1
## General Outdoor Field Work

**HAZARD CONTROLS**

| GZA Job Tasks | Potential Hazards | Controls |
|---|---|---|
| | | Stand clear of moving heavy equipment and away from any overhead utility lines until equipment is safely in position and parked properly and securely by the contractor. |
| | | Do not wear headphones or earbuds, or listen to music or talk on the phone, which may distract from work hazards. |
| | Crossing Automobile traffic lanes | Wear high visibility safety vests at all times when out of vehicle and working within or adjacent to the roadway. |
| | Crossing Airport Movement Areas (e.g., Runways, taxiways, approaches) | Learn, know, and conform to project site Airport's, Airfield's, or Airbase's protocol for crossing movement areas (whether on foot or in vehicle). |
| | | Work within airport movement areas or safety zones must be coordinated with the Air Traffic Control Tower. |
| | | Vehicles to have blinking or flashing lights or beacons; pedestrians to wear high visibility safety vests. |
| | | Using protocol, maintain communication with airport security and air traffic controllers. |
| | Crossing Railways | Work within active railroad ROWs requires railroad safety training. No work can be done within the railroad traffic envelope without the permission of a railroad flagman. |
| | | No equipment or vehicles can cross without the permission of a railroad flagman. |
| | | Expect any train on any track coming from either direction at any time. |
| Working in Natural or Remote Areas | Slips, trips, fall | Be aware of loose ground materials such as talus, unconsolidated rock, soil, sediment, ice and other media that could cause slips, trips or falls. |
| | | Be careful when walking in heavily vegetated areas. Mind tangles of vines, thorny branches, and slippery logs and rock surfaces. Dense vegetation and especially entangled vines present trip hazards, or can mask voids, sharp objects, or other hazards beneath. |

# GZA GEOENVIRONMENTAL, INC.
# JOB HAZARD ANALYSIS WORKSHEET

| | | |
|---|---|---|
| **Job: General Outdoor Field Work** | | |
| **Analysis By: Anthony Zemba, CHMM** | **Reviewed By: Guy Dalton** | **Approved By: Jayanti Chatterjee , CIH** |
| **Date: June 25, 2012** | **Date: June 25, 2012** | **Date: July 12, 2012** |

## Task 21.1
## General Outdoor Field Work

| HAZARD CONTROLS | | |
|---|---|---|
| **GZA Job Tasks** | **Potential Hazards** | **Controls** |
| | | Be vigilant for signs of cracking, shifting, fracturing, and evidence of past movement. |
| | | Use wood mats or other stabilizing materials for equipment if soft ground conditions are present. |
| | | Use walking stick, auger, or ski poles to steady yourself when traversing loose material or slopes. |

# GZA GEOENVIRONMENTAL, INC.
# JOB HAZARD ANALYSIS WORKSHEET

| | | |
|---|---|---|
| **Job: General Outdoor Field Work** | | |
| **Analysis By: Anthony Zemba, CHMM** | **Reviewed By: Guy Dalton** | **Approved By: Jayanti Chatterjee , CIH** |
| **Date: June 25, 2012** | **Date: June 25, 2012** | **Date: July 12, 2012** |

## Task 21.1
## General Outdoor Field Work

**HAZARD CONTROLS**

| GZA Job Tasks | Potential Hazards | Controls |
|---|---|---|
| | | Wear proper footwear for conditions. |
| | | Store tools in their proper storage location when not in use. |
| | | Provide adequate lighting when necessary. |
| | Falls into excavations/ voids | Stand away from edges of excavations and voids. Do not attempt access without proper equipment / training. Remember that some excavations or voids may constitute a confined space and may present structural stability issues. |
| | Cave-ins and engulfment | DO NOT enter caves, sinkholes, excavations, and other voids or concavities that are not sloped or shored properly and have not been evaluated by a competent person to be safe. |
| | | Stand away from edges of excavations, cliffs, dug wells, and other voids. |
| | | Watch for cracks/fissures in the ground surface in the immediate vicinity of a pit or void, which indicate imminent sidewall failure/cave-in. |
| | | Assess if confined space entry procedures need to be implemented. |
| | | Before entering void (if required to do so and with proper training) be aware of any hazards at the surface (boulders, equipment) which may fall into the void. |
| Working among hazardous biota | Plant toxins Incidental contact | Know the appearance of poison ivy and poison sumac in all seasons, and if sensitive to these toxins, carry and use special cleaning soaps/solutions when thought to be exposed. Stock first aid kit with poison ivy/sumac cleaning soaps/solutions. |
| | Ticks | Ticks carry risk of Lyme's and other Diseases. Tick season is basically any field day above 40 degrees F. |
| | | Tuck pants into long socks. |
| | | The application of DEET (or permethrin pre-treatment) to clothing in season to control exposure to ticks is recommended. |
| | | Check clothing for ticks frequently. |

| | | |
|---|---|---|
| **Job: General Outdoor Field Work** | | |
| **Analysis By: Anthony Zemba, CHMM** | **Reviewed By: Guy Dalton** | **Approved By: Jayanti Chatterjee , CIH** |
| **Date: June 25, 2012** | **Date: June 25, 2012** | **Date: July 12, 2012** |

# Task 21.1
# General Outdoor Field Work

## HAZARD CONTROLS

| GZA Job Tasks | Potential Hazards | Controls |
|---|---|---|
| | | Check whole body immediately upon returning from field and shower. |
| | Mosquitoes | Be aware of intermittent seasonal reports of mosquito borne diseases, such as West Nile disease and Eastern Equine Encephalitis (EEE), and their locations relative to your field site. Use of DEET or other mosquito repellant is recommended. |
| | Stinging bees and wasps | Be aware of potential cavity, suspended or ground nesting bee/wasp/hornet nests. Avoid undue disturbance or approach with appropriate safety clothing, protection and netting. |
| | | Take appropriate precautions if allergic to bees. Carry at least two epi-pens in first aid kit as well as anti-histamines (oral and inhalers). |
| | | Avoid areas of heavy bee activity if allergic. Avoid perfumed soaps, shampoos, deodorants, colognes, etc. that may attract bees. |
| | Poisonous Snakes | Be aware of terrain likelihood of harboring poisonous snakes in your work zone. Avoid reaching or stepping into hidden areas (such as into wood pile, rock pile, debris pile, stone wall, etc.) without pre-inspection. |
| | | Coordinate with local hospitals to verify they have proper anti-venom in stock. |
| | | Learn first aid procedures in case of poisonous snake bite. |
| | | Devise an action plan and include in the site-specific HASP. |
| | Wild Animals | Do NOT handle wildlife unless properly trained to do so. |
| | | Beware of any wild animal that shows no sign of wariness of humans. |
| | | Do NOT attempt to feed wild animals or to help apparently injured wild animals. |
| | | Be aware of domestic animals that may also pose a threat such as dogs off leash, bulls out to pasture, etc. |

# GZA GEOENVIRONMENTAL, INC.
# JOB HAZARD ANALYSIS WORKSHEET

| | | |
|---|---|---|
| **Job: General Outdoor Field Work** | | |
| **Analysis By: Anthony Zemba, CHMM** | **Reviewed By: Guy Dalton** | **Approved By: Jayanti Chatterjee , CIH** |
| **Date: June 25, 2012** | **Date: June 25, 2012** | **Date: July 12, 2012** |

## Task 21.1
## General Outdoor Field Work

**HAZARD CONTROLS**

| GZA Job Tasks | Potential Hazards | Controls |
|---|---|---|
| Working in Adverse Weather Conditions | Heat / cold stress and other weather related hazards | Assess weather conditions prior to on-site work and examine forecast for anticipated period of work. |
| | | Dress appropriately for weather conditions (e.g., precipitation, temperature ranges over anticipated duration of field work). Include clothing and the presence / absence of shade when calculating a heat index. |
| | | Schedule work day to avoid working during hottest or coldest parts of the day, to the extent practicable. |
| | | Keep exposed skin covered in extremely cold weather. |
| | | Recognize signs of frostbite; use warming packs and layer clothing to maintain warmth. |
| | | Use a wicking layer of clothing against your body to keep moisture away from skin. |
| | | Wool clothing will continue to keep you warm after it becomes wet; cotton will not. |
| | | Use protective ointments such as sunscreen and chap stick, as appropriate to the field conditions. |
| | | Stay hydrated in hot weather; drink fluids regularly throughout the day, even if not thirsty. |
| | | Recognize signs of heat stress; take frequent breaks in shade when working in direct sunlight for prolonged periods. |
| | | Be familiar with Heat index chart - add 20 degrees to chart if fully clothed and if working in direct sunlight. |
| | | NOTE: Unacceptable field work conditions are not precise, but may include site specific conditions, general location, extreme weather conditions (e.g., icing, lightning, excessive cold or wind), travel conditions, and other factors. Professional judgment is required, and personal assessment of safety must always be individually assessed. |
| | Working on Ice | Assess relative load bearing capacity of ice on lakes, ponds and other waterways. If unsure do not venture onto the ice. |

| | | |
|---|---|---|
| **Job: General Outdoor Field Work** | | |
| **Analysis By: Anthony Zemba, CHMM** | **Reviewed By: Guy Dalton** | **Approved By: Jayanti Chatterjee , CIH** |
| **Date: June 25, 2012** | **Date: June 25, 2012** | **Date: July 12, 2012** |

# Task 21.1
# General Outdoor Field Work

## HAZARD CONTROLS

| GZA Job Tasks | Potential Hazards | Controls |
|---|---|---|
| | | Wear proper footwear modified for traction on ice. |
| | Electrical storms | If lightning is observed during drilling activities, work shall be suspended immediately and employees shall find suitable shelter (building or vehicle at minimum). Work will commence no sooner than 30 minutes after the last indications of lightning have been observed |
| | | Seek shelter inside a walled building or your vehicle. |
| | | Open picnic pavilions and under trees are not adequate shelters. |
| | | Assess vulnerability to lightning strikes as soon as thunder is heard on the horizon. Open areas and higher elevations are more susceptible to strikes. |
| | | Tall objects such as metal towers and flag poles may attract lightning. |
| | | Consult internet weather radar tracking devices to learn of impending storm patterns proximal to your work area. |
| | High Winds | Avoid working at high elevations, elevated platforms, and other exposed areas during high wind conditions. |
| | | Assess work area for equipment that may be blown down, over, or carried aloft by high winds. |
| Working in areas without sanitary facilities | Hygiene related hazards | Provide hand washing kits (e.g., baby wipes, hand sanitizers, paper towels, bottled water, etc.) to be used prior to eating and drinking. |
| | | Have garbage bags handy to collect trash. |
| Working in remote areas | Emergency Conditions | Be familiar with onsite emergency procedures and route to nearest hospital. |
| | | Have a first aid kit available; know its contents and how to use them. |
| | | Carry a cell phone during all field work for emergency purposes, and confirm the nearest location of cell phone signal on site prior to start of worksite. |
| | Disorientation | Plan your route and anticipated progress prior to field work. |

# GZA GEOENVIRONMENTAL, INC.
# JOB HAZARD ANALYSIS WORKSHEET

| | | |
|---|---|---|
| **Job: General Outdoor Field Work** | | |
| **Analysis By: Anthony Zemba, CHMM** | **Reviewed By: Guy Dalton** | **Approved By: Jayanti Chatterjee , CIH** |
| **Date: June 25, 2012** | **Date: June 25, 2012** | **Date: July 12, 2012** |

## Task 21.1
## General Outdoor Field Work

| HAZARD CONTROLS | | |
|---|---|---|
| **GZA Job Tasks** | **Potential Hazards** | **Controls** |
| | | Have multiple navigation aids (e.g., USGS Map, compass, GPS, etc.) and know how to use them before entering field. Remember to have charged batteries and battery back-ups for electronic devices. |
| | | Share your progress plan with office staff prior to entering the field. |
| | | Check in with office personnel periodically to update progress. |
| | | Review and comply with GZA's Working Alone Policy 03-1009 in advance of working alone on a project site. |
| | Hunting | Be familiar with the various game hunting seasons. Follow rules and guidelines for remaining visible to hunters. |
| | | Try to plan work around active hunting seasons or daily peak hunting hours as warranted. |

**ATTACHMENT A**
**INITIAL HEALTH AND SAFETY PLAN BRIEFING RECORD**

**Project: _____ Job No.:_____**

**Project Location: _____**

**PM: _____ Phone No.:_____**

**PIC: _____ Phone No.:_____**

The undersigned have attended a Health and Safety briefing, consisting of a review of the provisions of the Site Specific H&S Plan, and/or appropriate prior H&S events or concerns, and/or review of anticipated H&S concerns and safety measures for the project.

| SUMMARY OF HEALTH AND SAFETY TOPICS COVERED | |
|---|---|
| | **Project Specific Information and Site History** |
| | **Site Specific Hazards** |
| | **Scope of Work** |
| | **Roles and Responsibilities** |
| | **H&S Equipment and Site Control Measures** |
| | **Evacuation Route, Assembly Point, and Route to Hospital** |
| | |
| | |
| | |

| NAME (printed) | SIGNATURE | COMPANY | DATE |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Conducted by: _____ Date: _____

Conducted by: _____ Date: _____

Conducted by: _____ Date: _____

- *USE ADDITIONAL SHEETS AS NECESSACARY*

# APPENDIX C

# BORING LOG REPORT

GZA GeoEnvironmental, Inc.

Boring Log **SB-1**

Sheet 1 of 1

| | | | |
|---|---|---|---|
| Project | Landing Road RIR | Location | 233 Landing Road |
| Project No. | 12.0076232.20 | Client | Bowery Residents Committee |
| Drilling Company | Trinity Environmental | Elevation and Datum | |
| Drilling Equipment | Geoprove 7720 DT; Drilling Method | Date Started | 3/30/15; Date Finished 3/30/15 |
| Sampler | Acetate Liner | Final Boring Depth | 15 ft; Depth to Rock |
| Sampler Hammer | Weight (lbs); Drop (in) | Groundwater Depth (ft) | Initial; Completion; 24 Hours |
| Drilling Foreman | J.Sakelis | GZA Inspector | A.Ehtesham; Checked By S.Huber |

| Depth (ft) | Sample Description | PID Reading (ppm) | Elev. (ft) | MATERIAL SYMBOL | Sample Data Number | Type | Recov. (in) | Remarks |
|---|---|---|---|---|---|---|---|---|
| 0 | Brown F-C SAND, some angular Gravel | | | | | | | |
| | | 0.0 | | | | | | |
| 1 | Concrete | 0.0 | | | | | | |
| | Brown-grey F-C SAND, some Brick and Angular Gravel | 0.0 | | | | | | Sample collected at 1.5-2.0 feet bgs. |
| 2 | | 0.0 | | | | | | |
| | | 0.0 | | | S-1 | PUSH | 40 | |
| 3 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 4 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 5 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 6 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 7 | | 0.0 | | | | | | |
| | | 0.0 | | | S-2 | PUSH | 30 | |
| 8 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 9 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 10 | Brown-grey F-C SAND AND Asphalt Sub-base | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 11 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 12 | | 0.0 | | | | | | |
| | | 0.0 | | | S-3 | PUSH | 40 | |
| 13 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 14 | | 0.0 | | | | | | Sample collected of 14.5-15.0 feet bgs. |
| | | 0.0 | | | | | | |
| 15 | | 0.0 | | | | | | End of boring at 15 feet bgs. |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |

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GZA GeoEnvironmental, Inc.

Boring Log **SB-2**

Sheet 1 of 1

| | | | |
|---|---|---|---|
| Project | Landing Road RIR | Location | 233 Landing Road |
| Project No. | 12.0076232.20 | Client | Bowery Residents Committee |
| Drilling Company | Trinity Environmental | Elevation and Datum | |
| Drilling Equipment | Geoprove 7720 DT; Drilling Method | Date Started | 3/30/15; Date Finished 3/30/15 |
| Sampler | Acetate Liner | Final Boring Depth | 15 ft; Depth to Rock |
| Sampler Hammer | Weight (lbs); Drop (in) | Groundwater Depth (ft) | Initial; Completion; 24 Hours |
| Drilling Foreman | J.Sakelis | GZA Inspector | A.Ehtesham; Checked By S.Huber |

| Depth (ft) | Sample Description | PID Reading (ppm) | Elev. (ft) | MATERIAL SYMBOL | Sample Data Number | Type | Recov. (in) | Remarks |
|---|---|---|---|---|---|---|---|---|
| 0 | Brown F-M SAND, some Brick | 0.0 | | | S-1 | PUSH | 50 | Sample collected at 1.5-2.0 feet bgs. |
| 1 | | 0.0 | | | | | | |
| 2 | Concrete | 0.0 | | | | | | |
| | Brown F/M SAND | 0.0 | | | | | | |
| 3 | | 0.0 | | | | | | |
| 4 | | 0.0 | | | | | | |
| 5 | Concrete | 0.0 | | | S-2 | PUSH | 36 | |
| | Brown F-M SAND, some Brick, Concrete and Asphalt | 0.0 | | | | | | |
| 6 | | 0.0 | | | | | | |
| 7 | | 0.0 | | | | | | |
| 8 | | 0.0 | | | | | | |
| 9 | | 0.0 | | | | | | |
| 10 | | 0.0 | | | S-3 | PUSH | 10 | |
| 11 | | 0.0 | | | | | | |
| 12 | | 0.0 | | | | | | |
| 13 | | 0.0 | | | | | | |
| 14 | | 0.0 | | | | | | Sample collected of 14.5-15.0 feet bgs. |
| 15 | | 0.0 | | | | | | End of boring at 15 feet bgs. |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |

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GZA GeoEnvironmental, Inc.

Boring Log **SB-3**

Sheet 1 of 1

| | | | |
|---|---|---|---|
| Project | Landing Road RIR | Location | 233 Landing Road |
| Project No. | 12.0076232.20 | Client | Bowery Residents Committee |
| Drilling Company | Trinity Environmental | Elevation and Datum | |
| Drilling Equipment | Geoprove 7720 DT; Drilling Method | Date Started | 3/30/15; Date Finished 3/30/15 |
| Sampler | Acetate Liner | Final Boring Depth | 15 ft; Depth to Rock |
| Sampler Hammer | Weight (lbs); Drop (in) | Groundwater Depth (ft) | Initial; Completion; 24 Hours |
| Drilling Foreman | J.Sakelis | GZA Inspector | A.Ehtesham; Checked By S.Huber |

| Depth (ft) | Sample Description | PID Reading (ppm) | Elev. (ft) | MATERIAL SYMBOL | Sample Data Number | Type | Recov. (in) | Remarks |
|---|---|---|---|---|---|---|---|---|
| 0 | Asphalt and Asphalt sub-base | | | | | | | |
| | Brown F-C SAND, some angular Rock little Brick fragments | 0.0 | | | | | | |
| 1 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | Sample collected at 1.5-2.0 feet bgs. |
| 2 | | 0.0 | | | | | | |
| | Concrete | 0.0 | | | S-1 | PUSH | 40 | |
| 3 | Brown F-C SAND, some angular Gravel | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 4 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 5 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 6 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 7 | | 0.0 | | | | | | |
| | | 0.0 | | | S-2 | PUSH | 36 | |
| 8 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 9 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 10 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 11 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 12 | | 0.0 | | | | | | |
| | | 0.0 | | | S-3 | PUSH | 36 | |
| 13 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 14 | | 0.0 | | | | | | Sample collected of 14.5-15.0 feet bgs. |
| | | 0.0 | | | | | | |
| 15 | | 0.0 | | | | | | End of boring at 15 feet bgs. |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |

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GZA GeoEnvironmental, Inc.

Boring Log **SB-4**

Sheet 1 of 1

| | | | |
|---|---|---|---|
| Project | Landing Road RIR | Location | 233 Landing Road |
| Project No. | 12.0076232.20 | Client | Bowery Residents Committee |
| Drilling Company | Trinity Environmental | Elevation and Datum | |
| Drilling Equipment | Geoprove 7720 DT; Drilling Method | Date Started | 3/30/15; Date Finished 3/30/15 |
| Sampler | Acetate Liner | Final Boring Depth | 15 ft; Depth to Rock |
| Sampler Hammer | Weight (lbs); Drop (in) | Groundwater Depth (ft) | Initial; Completion; 24 Hours |
| Drilling Foreman | J.Sakelis | GZA Inspector | A.Ehtesham; Checked By S.Huber |

| Depth (ft) | Sample Description | PID Reading (ppm) | Elev. (ft) | MATERIAL SYMBOL | Sample Data Number | Type | Recov. (in) | Remarks |
|---|---|---|---|---|---|---|---|---|
| 0 | Asphalt and aslphalt sub-base | 0.0 | | | | | | |
| 1 | Brown-grey F-C SAND, some Brick, little Angular rock | 0.0 | | | | | | |
| 2 | | 0.0 | | | | | | Sample collected at 1.5-2.0 feet bgs. |
| | | 0.0 | | | S-1 | PUSH | 48 | |
| 3 | | 0.0 | | | | | | |
| 4 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 5 | Brown F-C SAND, some Brick, little Angular rock | 0.0 | | | | | | |
| 6 | | 0.0 | | | | | | |
| 7 | | 0.0 | | | | | | |
| | | 0.0 | | | S-2 | PUSH | 12 | |
| 8 | | 0.0 | | | | | | |
| 9 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 10 | | 0.0 | | | | | | |
| 11 | | 0.0 | | | | | | |
| 12 | | 0.0 | | | | | | |
| | | 0.0 | | | S-3 | PUSH | 24 | |
| 13 | | 0.0 | | | | | | |
| 14 | | 0.0 | | | | | | Sample collected of 14.5-15.0 feet bgs. |
| | | 0.0 | | | | | | |
| 15 | | 0.0 | | | | | | End of boring at 15 feet bgs. |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |

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GZA GeoEnvironmental, Inc.

Boring Log **SB-5**

Sheet 1 of 1

| | | | |
|---|---|---|---|
| Project | Landing Road RIR | Location | 233 Landing Road |
| Project No. | 12.0076232.20 | Client | Bowery Residents Committee |
| Drilling Company | Trinity Environmental | Elevation and Datum | |
| Drilling Equipment | Geoprove 7720 DT; Drilling Method | Date Started | 3/30/15; Date Finished 3/30/15 |
| Sampler | Acetate Liner | Final Boring Depth | 15 ft; Depth to Rock |
| Sampler Hammer | Weight (lbs); Drop (in) | Groundwater Depth (ft) | Initial; Completion; 24 Hours |
| Drilling Foreman | J.Sakelis | GZA Inspector | A.Ehtesham; Checked By S.Huber |

| Depth (ft) | Sample Description | PID Reading (ppm) | Elev. (ft) | MATERIAL SYMBOL | Sample Data Number | Type | Recov. (in) | Remarks |
|---|---|---|---|---|---|---|---|---|
| 0 | Asphalt | 0.0 | | | | | | |
| 1 | Multicolored F-C SAND, some Brick, Asphalt and Concrete | 0.0 | | | | | | |
| | | 0.0 | | | | | | Sample collected at 1.5-2.0 feet bgs. |
| 2 | | 0.0 | | | | | | |
| | | 0.0 | | | S-1 | PUSH | 48 | |
| 3 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 4 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 5 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 6 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 7 | | 0.0 | | | | | | |
| | | 0.0 | | | S-2 | PUSH | 36 | |
| 8 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 9 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 10 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 11 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 12 | | 0.0 | | | | | | |
| | | 0.0 | | | S-3 | PUSH | 40 | |
| 13 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 14 | | 0.0 | | | | | | Sample collected of 14.5-15.0 feet bgs. |
| | | 0.0 | | | | | | |
| 15 | | 0.0 | | | | | | End of boring at 15 feet bgs. |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |

J:\GINT PROJECT DATABASES\12.0076232.20.GPJ ... 4/20/2015 4:57:37 PM ... Report: Log - NJ-GZA_ENVIRONMENTAL WITHOUT WELL ... Template TEMPLATE.GDT

GZA GeoEnvironmental, Inc.

Boring Log **SB-6**

Sheet 1 of 1

| | | | |
|---|---|---|---|
| Project | Landing Road RIR | Location | 233 Landing Road |
| Project No. | 12.0076232.20 | Client | Bowery Residents Committee |
| Drilling Company | Trinity Environmental | Elevation and Datum | |
| Drilling Equipment | Geoprove 7720 DT; Drilling Method | Date Started | 3/30/15; Date Finished 3/30/15 |
| Sampler | Acetate Liner | Final Boring Depth | 15 ft; Depth to Rock |
| Sampler Hammer | Weight (lbs); Drop (in) | Groundwater Depth (ft) | Initial; Completion; 24 Hours |
| Drilling Foreman | J.Sakelis | GZA Inspector | A.Ehtesham; Checked By S.Huber |

| Depth (ft) | Sample Description | PID Reading (ppm) | Elev. (ft) | MATERIAL SYMBOL | Sample Data Number | Type | Recov. (in) | Remarks |
|---|---|---|---|---|---|---|---|---|
| 0 | Asphalt | | | | | | | |
| | Multicolored SAND, some Brick, Concrete, Asphalt | 0.0 | | | S-1 | PUSH | 30 | Sample collected at 1.5-2.0 feet bgs. |
| 1 | | 0.0 | | | | | | |
| 2 | | 0.0 | | | | | | |
| 3 | | 0.0 | | | | | | |
| 4 | | 0.0 | | | | | | |
| 5 | | 0.0 | | | | | | |
| 6 | | 0.0 | | | | | | |
| | Brown F-C SAND | 0.0 | | | S-2 | PUSH | 24 | |
| 7 | | 0.0 | | | | | | |
| 8 | | 0.0 | | | | | | |
| 9 | | 0.0 | | | | | | |
| 10 | Brown F-C SAND, some Angular rock | 0.0 | | | S-3 | PUSH | 12 | |
| 11 | | 0.0 | | | | | | |
| 12 | | 0.0 | | | | | | |
| 13 | | 0.0 | | | | | | |
| 14 | | 0.0 | | | | | | Sample collected of 14.5-15.0 feet bgs. |
| 15 | Red Brown Brick | 0.0 | | | | | | End of boring at 15 feet bgs. |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |

J:\GINT PROJECT DATABASES\12.0076232.20.GPJ ... 4/20/2015 4:57:39 PM ... Report: Log - NJ-GZA_ENVIRONMENTAL WITHOUT WELL ... Template TEMPLATE.GDT

GZA GeoEnvironmental, Inc.

Boring Log **SB-7**

Sheet 1 of 1

| | | | |
|---|---|---|---|
| Project | Landing Road RIR | Location | 233 Landing Road |
| Project No. | 12.0076232.20 | Client | Bowery Residents Committee |
| Drilling Company | Trinity Environmental | Elevation and Datum | |
| Drilling Equipment | Geoprove 7720 DT; Drilling Method | Date Started | 3/30/15; Date Finished 3/30/15 |
| Sampler | Acetate Liner | Final Boring Depth | 15 ft; Depth to Rock |
| Sampler Hammer | Weight (lbs); Drop (in) | Groundwater Depth (ft) | Initial; Completion; 24 Hours |
| Drilling Foreman | J.Sakelis | GZA Inspector | A.Ehtesham; Checked By S.Huber |

| Depth (ft) | Sample Description | PID Reading (ppm) | Elev. (ft) | MATERIAL SYMBOL | Sample Data Number | Type | Recov. (in) | Remarks |
|---|---|---|---|---|---|---|---|---|
| 0 | Asphalt | | | | | | | |
| | Brown F-C SAND | 0.0 | | | | | | |
| 1 | Brown F-C SAND, some Angular Rock, little Brick | 0.0 | | | | | | |
| | | 0.0 | | | | | | Sample collected at 1.5-2.0 feet bgs. |
| 2 | | 0.0 | | | | | | |
| | | 0.0 | | | S-1 | PUSH | 45 | |
| 3 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 4 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 5 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 6 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 7 | | 0.0 | | | | | | |
| | | 0.0 | | | S-2 | PUSH | 6 | |
| 8 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 9 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 10 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 11 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 12 | | 0.0 | | | | | | |
| | | 0.0 | | | S-3 | PUSH | 10 | |
| 13 | | 0.0 | | | | | | |
| | | 0.0 | | | | | | |
| 14 | | 0.0 | | | | | | Sample collected of 14.5-15.0 feet bgs. |
| | | 0.0 | | | | | | |
| 15 | | 0.0 | | | | | | End of boring at 15 feet bgs. |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |

J:\GINT PROJECT DATABASES\12.0076232.20.GPJ ... 4/20/2015 4:57:41 PM ... Report: Log - NJ-GZA_ENVIRONMENTAL WITHOUT WELL ... Template TEMPLATE.GDT

GZA GeoEnvironmental, Inc.

Monitoring Well Log **TW-2**



| | | | |
|---|---|---|---|
| Project | Landing Road RIR | Location | 233 Landing Road |
| Project No. | 12.0076232.20 | Client | Bowery Residents Committee |
| Drilling Company | Trinity Environmental | Elevation and Datum | |
| Drilling Equipment | Geoprove 7720 DT; Drilling Method | Date Started | 3/30/15; Date Finished 3/30/15 |
| Sampler | Acetate Liner | Final Boring Depth | 30 ft; Depth to Rock |
| Sampler Hammer | Weight (lbs); Drop (in) | Groundwater Depth (ft) | Initial ▽ 26.1; Completion ▼; 24 Hours ▼ |
| Drilling Foreman | J.Sakelis | GZA Inspector | A.Ehtesham; Checked By S.Huber |

| Depth (ft) | Sample Description | PID Reading (ppm) | Elev. (ft) | MATERIAL SYMBOL | Sample Data: Number | Type | Recov. (in) | Penetr. resist Bl/6in | Well Diagram | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | Brown F-C SAND, some angular Gravel | | | | | | | | | |
| 1 | Concrete | 0.0 | | | | | | | | |
| | Brown-grey F-C SAND, some Brick and Angular Gravel | | | | | | | | | |
| 2 | | 0.0 | | | S-1 | PUSH | 45 | | | |
| 3 | | 0.0 | | | | | | | | |
| 4 | | 0.0 | | | | | | | | |
| 5 | | 0.0 | | | | | | | | |
| 6 | | 0.0 | | | S-2 | PUSH | 25 | | | |
| 7 | | 0.0 | | | | | | | | |
| 8 | | 0.0 | | | | | | | | |
| 9 | | 0.0 | | | | | | | | |
| 10 | Brown-grey F-C SAND AND Asphalt Sub-base | 0.0 | | | | | | | PVC Riser | |
| 11 | | 0.0 | | | | | | | | |
| 12 | Brown-grey F-C SAND, some Brick and Angular Gravel | 0.0 | | | S-3 | PUSH | 10 | | | |
| 13 | | 0.0 | | | | | | | | |
| 14 | | 0.0 | | | | | | | | |
| 15 | | 0.0 | | | | | | | | |
| 16 | | 0.0 | | | S-4 | PUSH | 40 | | | |
| 17 | | 0.0 | | | | | | | | |
| 18 | | 0.0 | | | | | | | | |
| 19 | | 0.0 | | | | | | | | |
| 20 | | | | | | | | | | |

J:\GINT PROJECT DATABASES\12.0076232.20.GPJ ... 4/20/2015 4:57:03 PM ... Report: Log - NJ-GZA_ENVIRONMENTAL WITH WELL ... Template TEMPLATE.GDT

GZA GeoEnvironmental, Inc.

Boring Log **TW-2**



| | |
|---|---|
| Project: Landing Road RIR | Location: 233 Landing Road |
| Project No.: 12.0076232.20 | Client: Bowery Residents Committee |
| Drilling Company: Trinity Environmental | Elevation and Datum: |

| Depth (ft) | Sample Description | PID Reading (ppm) | Elev. (ft) | MATERIAL SYMBOL | Sample Data: Number | Type | Recov. (in) | Penetr. resist Bl/6in | Well Diagram | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| 20 | | 0.0 | | | | | | | | |
| 21 | | 0.0 | | | | | | | | |
| 22 | | 0.0 | | | S-5 | PUSH | 36 | | | |
| 23 | | 0.0 | | | | | | | | |
| 24 | | 0.0 | | | | | | | | |
| 25 | | 0.0 | | | | | | | PVC Screen | |
| 26 | | 0.0 | | | | | | | | |
| 27 | | 0.0 | | | S-6 | PUSH | 36 | | | |
| 28 | | 0.0 | | | | | | | | |
| 29 | | 0.0 | | | | | | | | |
| 30 | | 0.0 | | | | | | | | |
| 31 | | | | | | | | | | |
| 32 | | | | | | | | | | |
| 33 | | | | | | | | | | |
| 34 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 36 | | | | | | | | | | |
| 37 | | | | | | | | | | |
| 38 | | | | | | | | | | |
| 39 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 41 | | | | | | | | | | |
| 42 | | | | | | | | | | |

J:\GINT PROJECT DATABASES\12.0076232.20.GPJ ... 4/20/2015 4:57:03 PM ... Report: Log - NJ-GZA_ENVIRONMENTAL WITH WELL ... Template TEMPLATE.GDT

GZA GeoEnvironmental, Inc.

Monitoring Well Log **TW-3**



| | | | |
|---|---|---|---|
| Project | Landing Road RIR | Location | 233 Landing Road |
| Project No. | 12.0076232.20 | Client | Bowery Residents Committee |
| Drilling Company | Trinity Environmental | Elevation and Datum | |
| Drilling Equipment | Geoprove 7720 DT; Drilling Method | Date Started | 3/30/15; Date Finished 3/30/15 |
| Sampler | Acetate Liner | Final Boring Depth | 30 ft; Depth to Rock |
| Sampler Hammer | Weight (lbs); Drop (in) | Groundwater Depth (ft) | Initial ▽ 25.2; Completion ▼; 24 Hours ▼ |
| Drilling Foreman | J.Sakelis | GZA Inspector | A.Ehtesham; Checked By S.Huber |

| Depth (ft) | Sample Description | PID Reading (ppm) | Elev. (ft) | MATERIAL SYMBOL | Sample Data: Number | Type | Recov. (in) | Penetr. resist Bl/6in | Well Diagram | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | Brown F-C SAND, some angular Gravel | | | | | | | | | |
| 1 | Concrete | 0.0 | | | | | | | | |
| 2 | Brown-grey F-C SAND, some Brick and Angular Gravel | 0.0 | | | S-1 | PUSH | 30 | | | |
| 3 | | 0.0 | | | | | | | | |
| 4 | | 0.0 | | | | | | | | |
| 5 | | 0.0 | | | S-2 | PUSH | 20 | | | |
| 6 | | 0.0 | | | | | | | | |
| 7 | | 0.0 | | | | | | | | |
| 8 | | 0.0 | | | | | | | | |
| 9 | Brown-grey F-C SAND AND Asphalt Sub-base | 0.0 | | | | | | | | |
| 10 | | 0.0 | | | | | | | PVC Riser | |
| 11 | Brown-grey F-C SAND, some Brick and Angular Gravel | 0.0 | | | S-3 | PUSH | 10 | | | |
| 12 | | 0.0 | | | | | | | | |
| 13 | | 0.0 | | | | | | | | |
| 14 | | 0.0 | | | | | | | | |
| 15 | | 0.0 | | | S-4 | PUSH | 48 | | | |
| 16 | | 0.0 | | | | | | | | |
| 17 | | 0.0 | | | | | | | | |
| 18 | | 0.0 | | | | | | | | |
| 19 | | 0.0 | | | | | | | | |
| 20 | | | | | | | | | | |

J:\GINT PROJECT DATABASES\12.0076232.20.GPJ ... 4/20/2015 4:57:05 PM ... Report: Log - NJ-GZA_ENVIRONMENTAL WITH WELL ... Template TEMPLATE.GDT

GZA GeoEnvironmental, Inc.

Boring Log **TW-3**



| | |
|---|---|
| Project: Landing Road RIR | Location: 233 Landing Road |
| Project No.: 12.0076232.20 | Client: Bowery Residents Committee |
| Drilling Company: Trinity Environmental | Elevation and Datum: |

| Depth (ft) | Sample Description | PID Reading (ppm) | Elev. (ft) | MATERIAL SYMBOL | Sample Data: Number | Type | Recov. (in) | Penetr. resist Bl/6in | Well Diagram | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| 20 | | 0.0 | | | | | | | | |
| 21 | | 0.0 | | | | | | | | |
| 22 | | 0.0 | | | S-5 | PUSH | 30 | | | |
| 23 | | 0.0 | | | | | | | | |
| 24 | | 0.0 | | | | | | | | |
| 25 | | 0.0 | | | | | | | PVC Screen | |
| 26 | | 0.0 | | | | | | | | |
| 27 | | 0.0 | | | S-6 | PUSH | 24 | | | |
| 28 | | 0.0 | | | | | | | | |
| 29 | | 0.0 | | | | | | | | |
| 30 | | 0.0 | | | | | | | | |
| 31 | | | | | | | | | | |
| 32 | | | | | | | | | | |
| 33 | | | | | | | | | | |
| 34 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 36 | | | | | | | | | | |
| 37 | | | | | | | | | | |
| 38 | | | | | | | | | | |
| 39 | | | | | | | | | | |
| 40 | | | | | | | | | | |
| 41 | | | | | | | | | | |
| 42 | | | | | | | | | | |

J:\GINT PROJECT DATABASES\12.0076232.20.GPJ ... 4/20/2015 4:57:06 PM ... Report: Log - NJ-GZA_ENVIRONMENTAL WITH WELL ... Template TEMPLATE.GDT

# APPENDIX D

# SOIL VAPOR LOGS

# SOIL VAPOR SAMPLE FIELD LOG

**GZA GEOENVIRONMENTAL INC.**
**Engineers and Scientists**

PROJECT

Project Name: Landing Road
Location: 233 Landing Road Bronx, NY

Date: 3/31/2015 Page 1 of 1
File No. 12.0076232.20
PM Arsheen Ehtesham

GZA Engineer: Arsheen Ehtesham
Weather: Partly Cloudy, 50s
Barometric Press. 30.31
Previous Weather:

Contractor/Lab: Trinity Environmental/Alpha Analytical
Analytic Method: TO-15
Operator: Joseph Sakellis
OVA/OVM: MiniRae 2000 lamp: 10,6 eV
Calibration: (start) (finish)

(To be completed at office)
Depth to Water: NA
Ground Elevation: NA
Water Elevation: NA

Soil vapor probe to be installed > 1' above water table

| Sample ID | Sample Depth (ft) | Surface Cover | Driving Effort | OVM Reading (ppm) | Purge Time | | | Purge Flow Rate (l/min) | Purge Flow Volume (rate x time) | He in Purge | Container Type | Sample Date-Start | Sample Time-Start | Vacuum Pressure-Start (in. Hg) | Sample Flow Rate (l/min) | Sample Date-End | Sample Time-End | Vaccuum Pressure-Final (in. Hg) | Canister No. | Flow Controller No. | Remark No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Purge Start | Purge Stop | Elapsed Time | | | | | | | | | | | | | | |
| SG-1 | 4.5 | Asphalt | M | 0.0 | 0833 | 0847 | 14 | 1 | 14L | 10PPM | SC | 3/31/2015 | 0851 | -27.52 | 0.02 | 3/31/2015 | 0901 | -4.40 | 464 | 0605 | |
| SG-2 | 4.5 | Asphalt | M | 0.2 | 0857 | 0904 | 7 | 1 | 7L | 5PPM | SC | 3/31/2015 | 0947 | -27.89 | 0.02 | 3/31/2015 | 0958 | -3.52 | 2042 | 0673 | |
| SG-3 | 4.5 | Asphalt | M | 0.0 | 0916 | 0921 | 5 | 1 | 5L | 5PPM | SC | 3/31/2015 | 1001 | -27.99 | 0.02 | 3/31/2015 | 1011 | -4.00 | 363 | 0522 | |
| SG-4 | 4.5 | Asphalt | M | 0.4 | 0929 | 0934 | 5 | 1 | 5L | 0PPM | SC | 3/31/2015 | 1003 | -29.71 | 0.02 | 3/31/2015 | 1015 | -3.66 | 109 | 0506 | |

REMARKS:

**ABBREVIATIONS**

| CONTAINER TYPE | SURFACE COVER | PROBE DRIVING EFFORT |
|---|---|---|
| TB- Tedlar Bag | G/L- Grass/Loam | E- Easy |
| SC- Suma Canister | Asph- Asphalt | M- Moderate |
| ST- Sorbant Tube | Cncrt- Concrete | D- Difficult |
| | | R- Refusal |
| Other: | Other: | Other: |

# APPENDIX E

# SOIL LABORATORY REPORT

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1506286 |
| Client: | GZA GeoEnvironmental, Inc.<br>55 Lane Road<br>Suite 407<br>Fairfield, NJ 07004 |
| ATTN: | Arsheen Ehtesham |
| Phone: | (973) 774-3300 |
| Project Name: | LANDING RD. BRONX |
| Project Number: | 12.0076232.20 |
| Report Date: | 04/09/15 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|---|---|---|---|---|---|
| L1506286-01 | SB-1 (1.5-2.0) | SOIL | BRONX, NY | 03/30/15 11:46 | 03/31/15 |
| L1506286-02 | SB-1 (14.5-15.0) | SOIL | BRONX, NY | 03/30/15 12:15 | 03/31/15 |
| L1506286-03 | SB-2 (1.5-2.0) | SOIL | BRONX, NY | 03/30/15 10:42 | 03/31/15 |
| L1506286-04 | SB-2 (14.5-15.0) | SOIL | BRONX, NY | 03/30/15 10:58 | 03/31/15 |
| L1506286-05 | SB-3 (1.5-2.0) | SOIL | BRONX, NY | 03/30/15 11:07 | 03/31/15 |
| L1506286-06 | SB-3 (14.5-15.0) | SOIL | BRONX, NY | 03/30/15 11:53 | 03/31/15 |
| L1506286-07 | SB-4 (1.5-2.0) | SOIL | BRONX, NY | 03/30/15 09:31 | 03/31/15 |
| L1506286-08 | SB-4 (14.5-15.0) | SOIL | BRONX, NY | 03/30/15 09:55 | 03/31/15 |
| L1506286-09 | SB-5 (1.5-2.0) | SOIL | BRONX, NY | 03/30/15 10:10 | 03/31/15 |
| L1506286-10 | SB-5 (14.5-15.0) | SOIL | BRONX, NY | 03/30/15 10:14 | 03/31/15 |
| L1506286-11 | SB-6 (1.5-2.0) | SOIL | BRONX, NY | 03/30/15 08:34 | 03/31/15 |
| L1506286-12 | SB-6 (14.5-15.0) | SOIL | BRONX, NY | 03/30/15 08:42 | 03/31/15 |
| L1506286-13 | SB-7 (1.5-2.0) | SOIL | BRONX, NY | 03/30/15 08:58 | 03/31/15 |
| L1506286-14 | SB-7 (14.5-15.0) | SOIL | BRONX, NY | 03/30/15 09:10 | 03/31/15 |
| L1506286-15 | TW-2 | WATER | BRONX, NY | 03/30/15 14:37 | 03/31/15 |
| L1506286-16 | TW-3 | WATER | BRONX, NY | 03/30/15 15:34 | 03/31/15 |
| L1506286-17 | FIELD BLANK (033015) | WATER | BRONX, NY | 03/30/15 16:40 | 03/31/15 |
| L1506286-18 | FBW (033015) | WATER | BRONX, NY | 03/30/15 08:00 | 03/31/15 |
| L1506286-19 | TRIP BLANK | WATER | BRONX, NY | 03/27/15 00:00 | 03/31/15 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286
**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286
**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

**Case Narrative (continued)**

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1506286-01: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

L1506286-19: The Trip Blank has a result for naphthalene present above the reporting limit. The sample could not be re-analyzed due to insufficient sample volume remaining.

Semivolatile Organics

L1506286-02, -05, -06, and -09 have elevated detection limits due to the dilutions required by the sample matrix.

The surrogate recoveries for L1506286-17 were outside the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), and 2-fluorobiphenyl (9%); however, the criteria were achieved upon re-extraction outside of holding time. The results of both extractions are reported; however, all associated compounds are considered to have a potential bias.

The WG773201-3 LCSD recovery, associated with L1506286-15,-16, and -18, is below the acceptance criteria for benzoic acid (4%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

PCBs

The surrogate recoveries for L1506286-02 were outside the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (27%, 25%) and decachlorobiphenyl (23%); however, re-extraction achieved similar results 2,4,5,6-tetrachloro-m-xylene (10%, 7%) and decachlorobiphenyl (9%, 6%). The results of both extractions are reported; however, all associated compounds are considered to have a potential bias.

The surrogate recoveries for L1506286-09 were outside the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (28%, 29%) and decachlorobiphenyl (27%, 24%); however, re-extraction achieved similar results

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**Case Narrative (continued)**

2,4,5,6-tetrachloro-m-xylene (7%, 6%), decachlorobiphenyl (5%, 4%). The results of both extractions are reported; however, all associated compounds are considered to have a potential bias.

Total Metals

L1506286-01 through -14 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG772484-4 MS recovery, performed on L1506286-01, is outside the acceptance criteria for mercury (161%). A post digestion spike was performed and was within acceptance criteria.

The WG773890-4 MS recoveries for aluminum (237%), calcium (237%), magnesium (237%), iron (0%), and manganese (47%), performed on L1506286-10, do not apply because the sample concentration is greater than four times the spike amount added.

The WG773890-4 MS recoveries, performed on L1506286-10, are outside the acceptance criteria for nickel (74%), lead (23%), potassium (59%), thallium (66%), and zinc (28%). A post digestion spike was performed and yielded unacceptable recoveries for thallium (77%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.

The WG773890-3 Laboratory Duplicate RPDs, performed on L1506286-10, are outside the acceptance criteria for lead (30%), manganese (21%), nickel (21%), and zinc (22%). The elevated RPDs have been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 04/09/15

# ORGANICS

# VOLATILES

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-01 | Date Collected: | 03/30/15 11:46 |
| Client ID: | SB-1 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260C | | |
| Analytical Date: | 04/02/15 15:24 | | |
| Analyst: | BN | | |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 790 | 87. | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 120 | 6.7 | 1 |
| Chloroform | ND | | ug/kg | 120 | 29. | 1 |
| Carbon tetrachloride | ND | | ug/kg | 79 | 16. | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 280 | 18. | 1 |
| Dibromochloromethane | ND | | ug/kg | 79 | 12. | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 120 | 24. | 1 |
| Tetrachloroethene | ND | | ug/kg | 79 | 11. | 1 |
| Chlorobenzene | ND | | ug/kg | 79 | 27. | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 390 | 30. | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 79 | 8.9 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 79 | 8.7 | 1 |
| Bromodichloromethane | ND | | ug/kg | 79 | 14. | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 79 | 9.5 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 79 | 9.2 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 79 | 9.2 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 390 | 11. | 1 |
| Bromoform | ND | | ug/kg | 310 | 18. | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 79 | 7.9 | 1 |
| Benzene | ND | | ug/kg | 79 | 9.3 | 1 |
| Toluene | ND | | ug/kg | 120 | 15. | 1 |
| Ethylbenzene | ND | | ug/kg | 79 | 10. | 1 |
| Chloromethane | ND | | ug/kg | 390 | 23. | 1 |
| Bromomethane | ND | | ug/kg | 160 | 27. | 1 |
| Vinyl chloride | ND | | ug/kg | 160 | 9.2 | 1 |
| Chloroethane | ND | | ug/kg | 160 | 25. | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 79 | 21. | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 120 | 17. | 1 |
| Trichloroethene | ND | | ug/kg | 79 | 9.8 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 390 | 12. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-01 Date Collected: 03/30/15 11:46

Client ID: SB-1 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/kg | 390 | 11. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 390 | 11. | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 160 | 6.6 | 1 |
| p/m-Xylene | ND | | ug/kg | 160 | 16. | 1 |
| o-Xylene | ND | | ug/kg | 160 | 14. | 1 |
| Xylenes, Total | ND | | ug/kg | 160 | 14. | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 79 | 11. | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 79 | 11. | 1 |
| Dibromomethane | ND | | ug/kg | 790 | 13. | 1 |
| Styrene | ND | | ug/kg | 160 | 32. | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 790 | 15. | 1 |
| Acetone | 270 | J | ug/kg | 790 | 82. | 1 |
| Carbon disulfide | ND | | ug/kg | 790 | 87. | 1 |
| 2-Butanone | ND | | ug/kg | 790 | 21. | 1 |
| Vinyl acetate | ND | | ug/kg | 790 | 10. | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 790 | 19. | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 790 | 13. | 1 |
| 2-Hexanone | ND | | ug/kg | 790 | 52. | 1 |
| Bromochloromethane | ND | | ug/kg | 390 | 22. | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 390 | 18. | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 310 | 14. | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 390 | 11. | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 79 | 25. | 1 |
| Bromobenzene | ND | | ug/kg | 390 | 16. | 1 |
| n-Butylbenzene | 53 | J | ug/kg | 79 | 9.0 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 79 | 9.6 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 390 | 11. | 1 |
| o-Chlorotoluene | ND | | ug/kg | 390 | 12. | 1 |
| p-Chlorotoluene | ND | | ug/kg | 390 | 10. | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 390 | 31. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 390 | 18. | 1 |
| Isopropylbenzene | ND | | ug/kg | 79 | 8.2 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 79 | 9.8 | 1 |
| Naphthalene | 220 | J | ug/kg | 390 | 11. | 1 |
| Acrylonitrile | ND | | ug/kg | 790 | 40. | 1 |
| n-Propylbenzene | ND | | ug/kg | 79 | 8.6 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 390 | 12. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 390 | 14. | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 390 | 11. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

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## SAMPLE RESULTS

Lab ID: L1506286-01 Date Collected: 03/30/15 11:46

Client ID: SB-1 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 390 | 11. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 7900 | 1100 | 1 |
| p-Diethylbenzene | 30 | J | ug/kg | 310 | 12. | 1 |
| p-Ethyltoluene | ND | | ug/kg | 310 | 9.8 | 1 |
| 1,2,4,5-Tetramethylbenzene | 100 | J | ug/kg | 310 | 10. | 1 |
| Ethyl ether | ND | | ug/kg | 390 | 20. | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 390 | 31. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 113 | | 70-130 |
| Toluene-d8 | 108 | | 70-130 |
| 4-Bromofluorobenzene | 101 | | 70-130 |
| Dibromofluoromethane | 99 | | 70-130 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-02 | Date Collected: | 03/30/15 12:15 |
| Client ID: | SB-1 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260C | | |
| Analytical Date: | 04/02/15 13:50 | | |
| Analyst: | BN | | |
| Percent Solids: | 91% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 20 | 2.2 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 3.0 | 0.17 | 1 |
| Chloroform | ND | | ug/kg | 3.0 | 0.73 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 2.0 | 0.41 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 6.9 | 0.45 | 1 |
| Dibromochloromethane | ND | | ug/kg | 2.0 | 0.30 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 3.0 | 0.60 | 1 |
| Tetrachloroethene | ND | | ug/kg | 2.0 | 0.28 | 1 |
| Chlorobenzene | ND | | ug/kg | 2.0 | 0.68 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 9.8 | 0.76 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 2.0 | 0.22 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 2.0 | 0.22 | 1 |
| Bromodichloromethane | ND | | ug/kg | 2.0 | 0.34 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 2.0 | 0.24 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 2.0 | 0.23 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 2.0 | 0.23 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 9.8 | 0.28 | 1 |
| Bromoform | ND | | ug/kg | 7.9 | 0.46 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 2.0 | 0.20 | 1 |
| Benzene | ND | | ug/kg | 2.0 | 0.23 | 1 |
| Toluene | ND | | ug/kg | 3.0 | 0.38 | 1 |
| Ethylbenzene | ND | | ug/kg | 2.0 | 0.25 | 1 |
| Chloromethane | ND | | ug/kg | 9.8 | 0.58 | 1 |
| Bromomethane | ND | | ug/kg | 3.9 | 0.67 | 1 |
| Vinyl chloride | ND | | ug/kg | 3.9 | 0.23 | 1 |
| Chloroethane | ND | | ug/kg | 3.9 | 0.62 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 2.0 | 0.52 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 3.0 | 0.42 | 1 |
| Trichloroethene | ND | | ug/kg | 2.0 | 0.25 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 9.8 | 0.30 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-02 Date Collected: 03/30/15 12:15

Client ID: SB-1 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/kg | 9.8 | 0.27 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 9.8 | 0.27 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 3.9 | 0.17 | 1 |
| p/m-Xylene | ND | | ug/kg | 3.9 | 0.39 | 1 |
| o-Xylene | ND | | ug/kg | 3.9 | 0.34 | 1 |
| Xylenes, Total | ND | | ug/kg | 3.9 | 0.34 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 2.0 | 0.28 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 2.0 | 0.28 | 1 |
| Dibromomethane | ND | | ug/kg | 20 | 0.32 | 1 |
| Styrene | ND | | ug/kg | 3.9 | 0.79 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 20 | 0.38 | 1 |
| Acetone | 24 | | ug/kg | 20 | 2.0 | 1 |
| Carbon disulfide | 6.0 | J | ug/kg | 20 | 2.2 | 1 |
| 2-Butanone | 5.1 | J | ug/kg | 20 | 0.54 | 1 |
| Vinyl acetate | ND | | ug/kg | 20 | 0.26 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 20 | 0.48 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 20 | 0.32 | 1 |
| 2-Hexanone | ND | | ug/kg | 20 | 1.3 | 1 |
| Bromochloromethane | ND | | ug/kg | 9.8 | 0.54 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 9.8 | 0.44 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 7.9 | 0.34 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 9.8 | 0.29 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 2.0 | 0.63 | 1 |
| Bromobenzene | ND | | ug/kg | 9.8 | 0.41 | 1 |
| n-Butylbenzene | ND | | ug/kg | 2.0 | 0.23 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 2.0 | 0.24 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 9.8 | 0.27 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 9.8 | 0.31 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 9.8 | 0.26 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 9.8 | 0.78 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 9.8 | 0.45 | 1 |
| Isopropylbenzene | ND | | ug/kg | 2.0 | 0.20 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 2.0 | 0.25 | 1 |
| Naphthalene | ND | | ug/kg | 9.8 | 0.27 | 1 |
| Acrylonitrile | ND | | ug/kg | 20 | 1.0 | 1 |
| n-Propylbenzene | ND | | ug/kg | 2.0 | 0.22 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 9.8 | 0.29 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 9.8 | 0.36 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 9.8 | 0.28 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

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## SAMPLE RESULTS

Lab ID: L1506286-02 Date Collected: 03/30/15 12:15

Client ID: SB-1 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 9.8 | 0.28 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 200 | 28. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 7.9 | 0.31 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 7.9 | 0.24 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 7.9 | 0.26 | 1 |
| Ethyl ether | ND | | ug/kg | 9.8 | 0.51 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 9.8 | 0.77 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | | 70-130 |
| Toluene-d8 | 102 | | 70-130 |
| 4-Bromofluorobenzene | 99 | | 70-130 |
| Dibromofluoromethane | 88 | | 70-130 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-03 | Date Collected: | 03/30/15 10:42 |
| Client ID: | SB-2 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260C | | |
| Analytical Date: | 04/02/15 14:19 | | |
| Analyst: | BN | | |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 13 | 1.5 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 2.0 | 0.11 | 1 |
| Chloroform | ND | | ug/kg | 2.0 | 0.50 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.3 | 0.28 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 4.7 | 0.30 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.3 | 0.20 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 2.0 | 0.41 | 1 |
| Tetrachloroethene | ND | | ug/kg | 1.3 | 0.19 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.3 | 0.47 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 6.7 | 0.52 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.3 | 0.15 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.3 | 0.15 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.3 | 0.23 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.3 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.3 | 0.16 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.3 | 0.16 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 6.7 | 0.19 | 1 |
| Bromoform | ND | | ug/kg | 5.4 | 0.32 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.3 | 0.13 | 1 |
| Benzene | ND | | ug/kg | 1.3 | 0.16 | 1 |
| Toluene | ND | | ug/kg | 2.0 | 0.26 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.3 | 0.17 | 1 |
| Chloromethane | ND | | ug/kg | 6.7 | 0.39 | 1 |
| Bromomethane | ND | | ug/kg | 2.7 | 0.45 | 1 |
| Vinyl chloride | ND | | ug/kg | 2.7 | 0.16 | 1 |
| Chloroethane | ND | | ug/kg | 2.7 | 0.42 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.3 | 0.35 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.0 | 0.28 | 1 |
| Trichloroethene | ND | | ug/kg | 1.3 | 0.17 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 6.7 | 0.20 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-03 Date Collected: 03/30/15 10:42

Client ID: SB-2 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/kg | 6.7 | 0.18 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 6.7 | 0.18 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.7 | 0.11 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.7 | 0.26 | 1 |
| o-Xylene | ND | | ug/kg | 2.7 | 0.23 | 1 |
| Xylenes, Total | ND | | ug/kg | 2.7 | 0.23 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.3 | 0.19 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.3 | 0.19 | 1 |
| Dibromomethane | ND | | ug/kg | 13 | 0.22 | 1 |
| Styrene | ND | | ug/kg | 2.7 | 0.54 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 13 | 0.26 | 1 |
| Acetone | 22 | | ug/kg | 13 | 1.4 | 1 |
| Carbon disulfide | 3.0 | J | ug/kg | 13 | 1.5 | 1 |
| 2-Butanone | 3.3 | J | ug/kg | 13 | 0.36 | 1 |
| Vinyl acetate | ND | | ug/kg | 13 | 0.18 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 13 | 0.33 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 13 | 0.22 | 1 |
| 2-Hexanone | ND | | ug/kg | 13 | 0.89 | 1 |
| Bromochloromethane | ND | | ug/kg | 6.7 | 0.37 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 6.7 | 0.30 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 5.4 | 0.23 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 6.7 | 0.19 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.3 | 0.42 | 1 |
| Bromobenzene | ND | | ug/kg | 6.7 | 0.28 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.3 | 0.15 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.3 | 0.16 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 6.7 | 0.18 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 6.7 | 0.21 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 6.7 | 0.18 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 6.7 | 0.53 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 6.7 | 0.30 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.3 | 0.14 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.3 | 0.17 | 1 |
| Naphthalene | 1.0 | J | ug/kg | 6.7 | 0.18 | 1 |
| Acrylonitrile | ND | | ug/kg | 13 | 0.69 | 1 |
| n-Propylbenzene | ND | | ug/kg | 1.3 | 0.15 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 6.7 | 0.20 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 6.7 | 0.24 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 6.7 | 0.19 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-03 Date Collected: 03/30/15 10:42

Client ID: SB-2 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 6.7 | 0.19 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 130 | 19. | 1 |
| p-Diethylbenzene | 0.42 | J | ug/kg | 5.4 | 0.21 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 5.4 | 0.17 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 5.4 | 0.17 | 1 |
| Ethyl ether | ND | | ug/kg | 6.7 | 0.35 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.7 | 0.52 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 98 | | 70-130 |
| Dibromofluoromethane | 95 | | 70-130 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-04 | Date Collected: | 03/30/15 10:58 |
| Client ID: | SB-2 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260C | | |
| Analytical Date: | 04/02/15 15:51 | | |
| Analyst: | BN | | |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 690 | 76. | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 100 | 5.9 | 1 |
| Chloroform | ND | | ug/kg | 100 | 26. | 1 |
| Carbon tetrachloride | ND | | ug/kg | 69 | 14. | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 240 | 16. | 1 |
| Dibromochloromethane | ND | | ug/kg | 69 | 11. | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 100 | 21. | 1 |
| Tetrachloroethene | ND | | ug/kg | 69 | 9.7 | 1 |
| Chlorobenzene | ND | | ug/kg | 69 | 24. | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 340 | 27. | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 69 | 7.8 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 69 | 7.7 | 1 |
| Bromodichloromethane | ND | | ug/kg | 69 | 12. | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 69 | 8.4 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 69 | 8.1 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 69 | 8.1 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 340 | 9.8 | 1 |
| Bromoform | ND | | ug/kg | 280 | 16. | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 69 | 7.0 | 1 |
| Benzene | ND | | ug/kg | 69 | 8.2 | 1 |
| Toluene | ND | | ug/kg | 100 | 13. | 1 |
| Ethylbenzene | 87 | | ug/kg | 69 | 8.8 | 1 |
| Chloromethane | ND | | ug/kg | 340 | 20. | 1 |
| Bromomethane | ND | | ug/kg | 140 | 23. | 1 |
| Vinyl chloride | ND | | ug/kg | 140 | 8.1 | 1 |
| Chloroethane | ND | | ug/kg | 140 | 22. | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 69 | 18. | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 100 | 15. | 1 |
| Trichloroethene | 610 | | ug/kg | 69 | 8.6 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 340 | 10. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-04 Date Collected: 03/30/15 10:58

Client ID: SB-2 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/kg | 340 | 9.3 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 340 | 9.6 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 140 | 5.8 | 1 |
| p/m-Xylene | 220 | | ug/kg | 140 | 14. | 1 |
| o-Xylene | 78 | J | ug/kg | 140 | 12. | 1 |
| Xylenes, Total | 300 | J | ug/kg | 140 | 12. | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 69 | 9.9 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 69 | 9.9 | 1 |
| Dibromomethane | ND | | ug/kg | 690 | 11. | 1 |
| Styrene | ND | | ug/kg | 140 | 28. | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 690 | 13. | 1 |
| Acetone | 360 | J | ug/kg | 690 | 72. | 1 |
| Carbon disulfide | ND | | ug/kg | 690 | 76. | 1 |
| 2-Butanone | ND | | ug/kg | 690 | 19. | 1 |
| Vinyl acetate | ND | | ug/kg | 690 | 9.1 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 690 | 17. | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 690 | 11. | 1 |
| 2-Hexanone | ND | | ug/kg | 690 | 46. | 1 |
| Bromochloromethane | ND | | ug/kg | 340 | 19. | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 340 | 16. | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 280 | 12. | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 340 | 10. | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 69 | 22. | 1 |
| Bromobenzene | ND | | ug/kg | 340 | 14. | 1 |
| n-Butylbenzene | ND | | ug/kg | 69 | 7.9 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 69 | 8.4 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 340 | 9.4 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 340 | 11. | 1 |
| p-Chlorotoluene | ND | | ug/kg | 340 | 9.2 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 340 | 27. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 340 | 16. | 1 |
| Isopropylbenzene | ND | | ug/kg | 69 | 7.2 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 69 | 8.6 | 1 |
| Naphthalene | ND | | ug/kg | 340 | 9.6 | 1 |
| Acrylonitrile | ND | | ug/kg | 690 | 36. | 1 |
| n-Propylbenzene | ND | | ug/kg | 69 | 7.5 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 340 | 10. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 340 | 12. | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 340 | 9.9 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-04 Date Collected: 03/30/15 10:58

Client ID: SB-2 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 340 | 9.8 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 6900 | 1000 | 1 |
| p-Diethylbenzene | ND | | ug/kg | 280 | 11. | 1 |
| p-Ethyltoluene | ND | | ug/kg | 280 | 8.6 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 280 | 9.0 | 1 |
| Ethyl ether | ND | | ug/kg | 340 | 18. | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 340 | 27. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 109 | | 70-130 |
| Toluene-d8 | 109 | | 70-130 |
| 4-Bromofluorobenzene | 106 | | 70-130 |
| Dibromofluoromethane | 98 | | 70-130 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-05 | Date Collected: | 03/30/15 11:07 |
| Client ID: | SB-3 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260C | | |
| Analytical Date: | 04/02/15 14:47 | | |
| Analyst: | BN | | |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 12 | 1.3 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.8 | 0.10 | 1 |
| Chloroform | ND | | ug/kg | 1.8 | 0.44 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.2 | 0.25 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 4.2 | 0.27 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.2 | 0.18 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.8 | 0.36 | 1 |
| Tetrachloroethene | ND | | ug/kg | 1.2 | 0.17 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.2 | 0.42 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 6.0 | 0.46 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.2 | 0.14 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.2 | 0.13 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.2 | 0.21 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.2 | 0.14 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.2 | 0.14 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.2 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 6.0 | 0.17 | 1 |
| Bromoform | ND | | ug/kg | 4.8 | 0.28 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.2 | 0.12 | 1 |
| Benzene | ND | | ug/kg | 1.2 | 0.14 | 1 |
| Toluene | ND | | ug/kg | 1.8 | 0.23 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.2 | 0.15 | 1 |
| Chloromethane | ND | | ug/kg | 6.0 | 0.35 | 1 |
| Bromomethane | ND | | ug/kg | 2.4 | 0.40 | 1 |
| Vinyl chloride | ND | | ug/kg | 2.4 | 0.14 | 1 |
| Chloroethane | ND | | ug/kg | 2.4 | 0.38 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.2 | 0.31 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.8 | 0.25 | 1 |
| Trichloroethene | ND | | ug/kg | 1.2 | 0.15 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 6.0 | 0.18 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-05 Date Collected: 03/30/15 11:07

Client ID: SB-3 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/kg | 6.0 | 0.16 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 6.0 | 0.16 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.4 | 0.10 | 1 |
| p/m-Xylene | 1.2 | J | ug/kg | 2.4 | 0.24 | 1 |
| o-Xylene | 0.88 | J | ug/kg | 2.4 | 0.21 | 1 |
| Xylenes, Total | 2.1 | J | ug/kg | 2.4 | 0.21 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.2 | 0.17 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.2 | 0.17 | 1 |
| Dibromomethane | ND | | ug/kg | 12 | 0.20 | 1 |
| Styrene | ND | | ug/kg | 2.4 | 0.48 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 12 | 0.23 | 1 |
| Acetone | 5.8 | J | ug/kg | 12 | 1.2 | 1 |
| Carbon disulfide | ND | | ug/kg | 12 | 1.3 | 1 |
| 2-Butanone | 1.5 | J | ug/kg | 12 | 0.33 | 1 |
| Vinyl acetate | ND | | ug/kg | 12 | 0.16 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 12 | 0.29 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 12 | 0.20 | 1 |
| 2-Hexanone | ND | | ug/kg | 12 | 0.80 | 1 |
| Bromochloromethane | ND | | ug/kg | 6.0 | 0.33 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 6.0 | 0.27 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 4.8 | 0.21 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 6.0 | 0.17 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.2 | 0.38 | 1 |
| Bromobenzene | ND | | ug/kg | 6.0 | 0.25 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.2 | 0.14 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.2 | 0.15 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 6.0 | 0.16 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 6.0 | 0.19 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 6.0 | 0.16 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 6.0 | 0.47 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 6.0 | 0.27 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.2 | 0.12 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.2 | 0.15 | 1 |
| Naphthalene | 14 | | ug/kg | 6.0 | 0.16 | 1 |
| Acrylonitrile | ND | | ug/kg | 12 | 0.62 | 1 |
| n-Propylbenzene | ND | | ug/kg | 1.2 | 0.13 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 6.0 | 0.18 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 6.0 | 0.22 | 1 |
| 1,3,5-Trimethylbenzene | 1.3 | J | ug/kg | 6.0 | 0.17 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-05 Date Collected: 03/30/15 11:07

Client ID: SB-3 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,2,4-Trimethylbenzene | 3.3 | J | ug/kg | 6.0 | 0.17 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 120 | 17. | 1 |
| p-Diethylbenzene | 1.8 | J | ug/kg | 4.8 | 0.19 | 1 |
| p-Ethyltoluene | 1.7 | J | ug/kg | 4.8 | 0.15 | 1 |
| 1,2,4,5-Tetramethylbenzene | 0.61 | J | ug/kg | 4.8 | 0.16 | 1 |
| Ethyl ether | ND | | ug/kg | 6.0 | 0.31 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.0 | 0.47 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 96 | | 70-130 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-06 | Date Collected: | 03/30/15 11:53 |
| Client ID: | SB-3 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260C | | |
| Analytical Date: | 04/02/15 15:16 | | |
| Analyst: | BN | | |
| Percent Solids: | 92% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 12 | 1.4 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.8 | 0.10 | 1 |
| Chloroform | ND | | ug/kg | 1.8 | 0.46 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.2 | 0.26 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 4.3 | 0.28 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.2 | 0.19 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.8 | 0.37 | 1 |
| Tetrachloroethene | ND | | ug/kg | 1.2 | 0.17 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.2 | 0.43 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 6.1 | 0.48 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.2 | 0.14 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.2 | 0.14 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.2 | 0.21 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.2 | 0.15 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.2 | 0.14 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.2 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 6.1 | 0.17 | 1 |
| Bromoform | ND | | ug/kg | 4.9 | 0.29 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.2 | 0.12 | 1 |
| Benzene | ND | | ug/kg | 1.2 | 0.14 | 1 |
| Toluene | ND | | ug/kg | 1.8 | 0.24 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.2 | 0.16 | 1 |
| Chloromethane | ND | | ug/kg | 6.1 | 0.36 | 1 |
| Bromomethane | ND | | ug/kg | 2.4 | 0.42 | 1 |
| Vinyl chloride | ND | | ug/kg | 2.4 | 0.14 | 1 |
| Chloroethane | ND | | ug/kg | 2.4 | 0.39 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.2 | 0.32 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.8 | 0.26 | 1 |
| Trichloroethene | ND | | ug/kg | 1.2 | 0.15 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 6.1 | 0.19 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-06 Date Collected: 03/30/15 11:53

Client ID: SB-3 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/kg | 6.1 | 0.17 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 6.1 | 0.17 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.4 | 0.10 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.4 | 0.24 | 1 |
| o-Xylene | ND | | ug/kg | 2.4 | 0.21 | 1 |
| Xylenes, Total | ND | | ug/kg | 2.4 | 0.21 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.2 | 0.18 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.2 | 0.18 | 1 |
| Dibromomethane | ND | | ug/kg | 12 | 0.20 | 1 |
| Styrene | ND | | ug/kg | 2.4 | 0.49 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 12 | 0.23 | 1 |
| Acetone | 3.4 | J | ug/kg | 12 | 1.3 | 1 |
| Carbon disulfide | ND | | ug/kg | 12 | 1.4 | 1 |
| 2-Butanone | ND | | ug/kg | 12 | 0.33 | 1 |
| Vinyl acetate | ND | | ug/kg | 12 | 0.16 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 12 | 0.30 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 12 | 0.20 | 1 |
| 2-Hexanone | ND | | ug/kg | 12 | 0.82 | 1 |
| Bromochloromethane | ND | | ug/kg | 6.1 | 0.34 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 6.1 | 0.28 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 4.9 | 0.21 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 6.1 | 0.18 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.2 | 0.39 | 1 |
| Bromobenzene | ND | | ug/kg | 6.1 | 0.26 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.2 | 0.14 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.2 | 0.15 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 6.1 | 0.17 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 6.1 | 0.20 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 6.1 | 0.16 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 6.1 | 0.49 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 6.1 | 0.28 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.2 | 0.13 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.2 | 0.15 | 1 |
| Naphthalene | ND | | ug/kg | 6.1 | 0.17 | 1 |
| Acrylonitrile | ND | | ug/kg | 12 | 0.63 | 1 |
| n-Propylbenzene | ND | | ug/kg | 1.2 | 0.13 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 6.1 | 0.18 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 6.1 | 0.22 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 6.1 | 0.18 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-06 Date Collected: 03/30/15 11:53

Client ID: SB-3 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 6.1 | 0.17 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 120 | 18. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 4.9 | 0.20 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 4.9 | 0.15 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 4.9 | 0.16 | 1 |
| Ethyl ether | ND | | ug/kg | 6.1 | 0.32 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.1 | 0.48 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 101 | | 70-130 |
| Dibromofluoromethane | 99 | | 70-130 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-07 | Date Collected: | 03/30/15 09:31 |
| Client ID: | SB-4 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260C | | |
| Analytical Date: | 04/02/15 15:45 | | |
| Analyst: | BN | | |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 13 | 1.4 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 2.0 | 0.11 | 1 |
| Chloroform | ND | | ug/kg | 2.0 | 0.48 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.3 | 0.27 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 4.6 | 0.30 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.3 | 0.20 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 2.0 | 0.40 | 1 |
| Tetrachloroethene | ND | | ug/kg | 1.3 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.3 | 0.45 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 6.5 | 0.51 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.3 | 0.15 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.3 | 0.14 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.3 | 0.22 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.3 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.3 | 0.15 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.3 | 0.15 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 6.5 | 0.18 | 1 |
| Bromoform | ND | | ug/kg | 5.2 | 0.31 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.3 | 0.13 | 1 |
| Benzene | ND | | ug/kg | 1.3 | 0.15 | 1 |
| Toluene | ND | | ug/kg | 2.0 | 0.25 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.3 | 0.17 | 1 |
| Chloromethane | ND | | ug/kg | 6.5 | 0.38 | 1 |
| Bromomethane | ND | | ug/kg | 2.6 | 0.44 | 1 |
| Vinyl chloride | ND | | ug/kg | 2.6 | 0.15 | 1 |
| Chloroethane | ND | | ug/kg | 2.6 | 0.41 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.3 | 0.34 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.0 | 0.28 | 1 |
| Trichloroethene | ND | | ug/kg | 1.3 | 0.16 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 6.5 | 0.20 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-07 Date Collected: 03/30/15 09:31

Client ID: SB-4 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/kg | 6.5 | 0.18 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 6.5 | 0.18 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.6 | 0.11 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.6 | 0.26 | 1 |
| o-Xylene | ND | | ug/kg | 2.6 | 0.22 | 1 |
| Xylenes, Total | ND | | ug/kg | 2.6 | 0.22 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.3 | 0.19 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.3 | 0.19 | 1 |
| Dibromomethane | ND | | ug/kg | 13 | 0.21 | 1 |
| Styrene | ND | | ug/kg | 2.6 | 0.52 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 13 | 0.25 | 1 |
| Acetone | 17 | | ug/kg | 13 | 1.4 | 1 |
| Carbon disulfide | ND | | ug/kg | 13 | 1.4 | 1 |
| 2-Butanone | ND | | ug/kg | 13 | 0.35 | 1 |
| Vinyl acetate | ND | | ug/kg | 13 | 0.17 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 13 | 0.32 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 13 | 0.21 | 1 |
| 2-Hexanone | ND | | ug/kg | 13 | 0.87 | 1 |
| Bromochloromethane | ND | | ug/kg | 6.5 | 0.36 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 6.5 | 0.29 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 5.2 | 0.23 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 6.5 | 0.19 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.3 | 0.41 | 1 |
| Bromobenzene | ND | | ug/kg | 6.5 | 0.27 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.3 | 0.15 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.3 | 0.16 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 6.5 | 0.18 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 6.5 | 0.21 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 6.5 | 0.17 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 6.5 | 0.52 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 6.5 | 0.30 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.3 | 0.14 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.3 | 0.16 | 1 |
| Naphthalene | ND | | ug/kg | 6.5 | 0.18 | 1 |
| Acrylonitrile | ND | | ug/kg | 13 | 0.67 | 1 |
| n-Propylbenzene | ND | | ug/kg | 1.3 | 0.14 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 6.5 | 0.19 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 6.5 | 0.24 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 6.5 | 0.19 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-07 Date Collected: 03/30/15 09:31

Client ID: SB-4 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 6.5 | 0.18 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 130 | 19. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 5.2 | 0.21 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 5.2 | 0.16 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 5.2 | 0.17 | 1 |
| Ethyl ether | ND | | ug/kg | 6.5 | 0.34 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.5 | 0.51 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 98 | | 70-130 |
| Dibromofluoromethane | 98 | | 70-130 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-08 | Date Collected: | 03/30/15 09:55 |
| Client ID: | SB-4 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260C | | |
| Analytical Date: | 04/02/15 16:15 | | |
| Analyst: | BN | | |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 14 | 1.6 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 2.2 | 0.12 | 1 |
| Chloroform | ND | | ug/kg | 2.2 | 0.53 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.4 | 0.30 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 5.0 | 0.33 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.4 | 0.22 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 2.2 | 0.44 | 1 |
| Tetrachloroethene | ND | | ug/kg | 1.4 | 0.20 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.4 | 0.50 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 7.2 | 0.56 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.4 | 0.16 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.4 | 0.16 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.4 | 0.25 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.4 | 0.17 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.4 | 0.17 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.4 | 0.17 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 7.2 | 0.20 | 1 |
| Bromoform | ND | | ug/kg | 5.8 | 0.34 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.4 | 0.14 | 1 |
| Benzene | ND | | ug/kg | 1.4 | 0.17 | 1 |
| Toluene | ND | | ug/kg | 2.2 | 0.28 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.4 | 0.18 | 1 |
| Chloromethane | ND | | ug/kg | 7.2 | 0.42 | 1 |
| Bromomethane | ND | | ug/kg | 2.9 | 0.49 | 1 |
| Vinyl chloride | ND | | ug/kg | 2.9 | 0.17 | 1 |
| Chloroethane | ND | | ug/kg | 2.9 | 0.46 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.4 | 0.38 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.2 | 0.30 | 1 |
| Trichloroethene | ND | | ug/kg | 1.4 | 0.18 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 7.2 | 0.22 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-08 Date Collected: 03/30/15 09:55

Client ID: SB-4 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/kg | 7.2 | 0.19 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 7.2 | 0.20 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.9 | 0.12 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.9 | 0.28 | 1 |
| o-Xylene | ND | | ug/kg | 2.9 | 0.25 | 1 |
| Xylenes, Total | ND | | ug/kg | 2.9 | 0.25 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.4 | 0.20 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.4 | 0.20 | 1 |
| Dibromomethane | ND | | ug/kg | 14 | 0.24 | 1 |
| Styrene | ND | | ug/kg | 2.9 | 0.58 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 14 | 0.28 | 1 |
| Acetone | 41 | | ug/kg | 14 | 1.5 | 1 |
| Carbon disulfide | ND | | ug/kg | 14 | 1.6 | 1 |
| 2-Butanone | 7.9 | J | ug/kg | 14 | 0.39 | 1 |
| Vinyl acetate | ND | | ug/kg | 14 | 0.19 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 14 | 0.35 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 14 | 0.23 | 1 |
| 2-Hexanone | ND | | ug/kg | 14 | 0.96 | 1 |
| Bromochloromethane | ND | | ug/kg | 7.2 | 0.40 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 7.2 | 0.32 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 5.8 | 0.25 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 7.2 | 0.21 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.4 | 0.46 | 1 |
| Bromobenzene | ND | | ug/kg | 7.2 | 0.30 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.4 | 0.16 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.4 | 0.18 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 7.2 | 0.20 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 7.2 | 0.23 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 7.2 | 0.19 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 7.2 | 0.57 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 7.2 | 0.33 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.4 | 0.15 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.4 | 0.18 | 1 |
| Naphthalene | 3.3 | J | ug/kg | 7.2 | 0.20 | 1 |
| Acrylonitrile | ND | | ug/kg | 14 | 0.74 | 1 |
| n-Propylbenzene | ND | | ug/kg | 1.4 | 0.16 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 7.2 | 0.21 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 7.2 | 0.26 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 7.2 | 0.21 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-08 Date Collected: 03/30/15 09:55

Client ID: SB-4 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 7.2 | 0.20 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 140 | 21. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 5.8 | 0.23 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 5.8 | 0.18 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 5.8 | 0.19 | 1 |
| Ethyl ether | ND | | ug/kg | 7.2 | 0.37 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 7.2 | 0.56 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 98 | | 70-130 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-09 | Date Collected: | 03/30/15 10:10 |
| Client ID: | SB-5 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260C | | |
| Analytical Date: | 04/02/15 16:45 | | |
| Analyst: | BN | | |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 14 | 1.5 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 2.0 | 0.12 | 1 |
| Chloroform | ND | | ug/kg | 2.0 | 0.50 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.4 | 0.29 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 4.8 | 0.31 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.4 | 0.21 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 2.0 | 0.42 | 1 |
| Tetrachloroethene | ND | | ug/kg | 1.4 | 0.19 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.4 | 0.48 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 6.8 | 0.53 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.4 | 0.15 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.4 | 0.15 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.4 | 0.24 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.4 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.4 | 0.16 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.4 | 0.16 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 6.8 | 0.19 | 1 |
| Bromoform | ND | | ug/kg | 5.5 | 0.32 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.4 | 0.14 | 1 |
| Benzene | ND | | ug/kg | 1.4 | 0.16 | 1 |
| Toluene | ND | | ug/kg | 2.0 | 0.27 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.4 | 0.17 | 1 |
| Chloromethane | ND | | ug/kg | 6.8 | 0.40 | 1 |
| Bromomethane | ND | | ug/kg | 2.7 | 0.46 | 1 |
| Vinyl chloride | ND | | ug/kg | 2.7 | 0.16 | 1 |
| Chloroethane | ND | | ug/kg | 2.7 | 0.43 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.4 | 0.36 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.0 | 0.29 | 1 |
| Trichloroethene | 15 | | ug/kg | 1.4 | 0.17 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 6.8 | 0.21 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-09 Date Collected: 03/30/15 10:10

Client ID: SB-5 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/kg | 6.8 | 0.18 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 6.8 | 0.19 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.7 | 0.12 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.7 | 0.27 | 1 |
| o-Xylene | ND | | ug/kg | 2.7 | 0.23 | 1 |
| Xylenes, Total | ND | | ug/kg | 2.7 | 0.23 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.4 | 0.20 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.4 | 0.20 | 1 |
| Dibromomethane | ND | | ug/kg | 14 | 0.22 | 1 |
| Styrene | ND | | ug/kg | 2.7 | 0.55 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 14 | 0.26 | 1 |
| Acetone | 2.4 | J | ug/kg | 14 | 1.4 | 1 |
| Carbon disulfide | ND | | ug/kg | 14 | 1.5 | 1 |
| 2-Butanone | ND | | ug/kg | 14 | 0.37 | 1 |
| Vinyl acetate | ND | | ug/kg | 14 | 0.18 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 14 | 0.33 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 14 | 0.22 | 1 |
| 2-Hexanone | ND | | ug/kg | 14 | 0.91 | 1 |
| Bromochloromethane | ND | | ug/kg | 6.8 | 0.38 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 6.8 | 0.31 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 5.5 | 0.24 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 6.8 | 0.20 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.4 | 0.43 | 1 |
| Bromobenzene | ND | | ug/kg | 6.8 | 0.28 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.4 | 0.16 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.4 | 0.17 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 6.8 | 0.18 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 6.8 | 0.22 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 6.8 | 0.18 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 6.8 | 0.54 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 6.8 | 0.31 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.4 | 0.14 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.4 | 0.17 | 1 |
| Naphthalene | ND | | ug/kg | 6.8 | 0.19 | 1 |
| Acrylonitrile | ND | | ug/kg | 14 | 0.70 | 1 |
| n-Propylbenzene | ND | | ug/kg | 1.4 | 0.15 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 6.8 | 0.20 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 6.8 | 0.25 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 6.8 | 0.20 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-09 Date Collected: 03/30/15 10:10

Client ID: SB-5 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 6.8 | 0.19 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 140 | 20. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 5.5 | 0.22 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 5.5 | 0.17 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 5.5 | 0.18 | 1 |
| Ethyl ether | ND | | ug/kg | 6.8 | 0.36 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.8 | 0.54 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 96 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 97 | | 70-130 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-10 | Date Collected: | 03/30/15 10:14 |
| Client ID: | SB-5 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260C | | |
| Analytical Date: | 04/02/15 17:14 | | |
| Analyst: | BN | | |
| Percent Solids: | 92% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 11 | 1.2 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.7 | 0.10 | 1 |
| Chloroform | ND | | ug/kg | 1.7 | 0.41 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.1 | 0.23 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 3.9 | 0.25 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.1 | 0.17 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.7 | 0.34 | 1 |
| Tetrachloroethene | ND | | ug/kg | 1.1 | 0.16 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.1 | 0.38 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 5.5 | 0.43 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.1 | 0.12 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.1 | 0.12 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.1 | 0.19 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.1 | 0.13 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.1 | 0.13 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.1 | 0.13 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 5.5 | 0.16 | 1 |
| Bromoform | ND | | ug/kg | 4.4 | 0.26 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.1 | 0.11 | 1 |
| Benzene | ND | | ug/kg | 1.1 | 0.13 | 1 |
| Toluene | ND | | ug/kg | 1.7 | 0.22 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.1 | 0.14 | 1 |
| Chloromethane | ND | | ug/kg | 5.5 | 0.32 | 1 |
| Bromomethane | ND | | ug/kg | 2.2 | 0.37 | 1 |
| Vinyl chloride | ND | | ug/kg | 2.2 | 0.13 | 1 |
| Chloroethane | ND | | ug/kg | 2.2 | 0.35 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.1 | 0.29 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.7 | 0.23 | 1 |
| Trichloroethene | ND | | ug/kg | 1.1 | 0.14 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 5.5 | 0.17 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-10 Date Collected: 03/30/15 10:14

Client ID: SB-5 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/kg | 5.5 | 0.15 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 5.5 | 0.15 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.2 | 0.09 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.2 | 0.22 | 1 |
| o-Xylene | ND | | ug/kg | 2.2 | 0.19 | 1 |
| Xylenes, Total | ND | | ug/kg | 2.2 | 0.19 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.1 | 0.16 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.1 | 0.16 | 1 |
| Dibromomethane | ND | | ug/kg | 11 | 0.18 | 1 |
| Styrene | ND | | ug/kg | 2.2 | 0.44 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 11 | 0.21 | 1 |
| Acetone | 33 | | ug/kg | 11 | 1.1 | 1 |
| Carbon disulfide | 4.5 | J | ug/kg | 11 | 1.2 | 1 |
| 2-Butanone | 5.4 | J | ug/kg | 11 | 0.30 | 1 |
| Vinyl acetate | ND | | ug/kg | 11 | 0.15 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 11 | 0.27 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 11 | 0.18 | 1 |
| 2-Hexanone | ND | | ug/kg | 11 | 0.74 | 1 |
| Bromochloromethane | ND | | ug/kg | 5.5 | 0.30 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 5.5 | 0.25 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 4.4 | 0.19 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 5.5 | 0.16 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.1 | 0.35 | 1 |
| Bromobenzene | ND | | ug/kg | 5.5 | 0.23 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.1 | 0.13 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.1 | 0.14 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 5.5 | 0.15 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 5.5 | 0.18 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 5.5 | 0.15 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 5.5 | 0.44 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 5.5 | 0.25 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.1 | 0.12 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.1 | 0.14 | 1 |
| Naphthalene | ND | | ug/kg | 5.5 | 0.15 | 1 |
| Acrylonitrile | ND | | ug/kg | 11 | 0.57 | 1 |
| n-Propylbenzene | ND | | ug/kg | 1.1 | 0.12 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 5.5 | 0.16 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 5.5 | 0.20 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 5.5 | 0.16 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-10 Date Collected: 03/30/15 10:14

Client ID: SB-5 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 5.5 | 0.16 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 110 | 16. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 4.4 | 0.18 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 4.4 | 0.14 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 4.4 | 0.14 | 1 |
| Ethyl ether | ND | | ug/kg | 5.5 | 0.29 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.5 | 0.43 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 96 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 96 | | 70-130 |
| Dibromofluoromethane | 98 | | 70-130 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-11 | Date Collected: | 03/30/15 08:34 |
| Client ID: | SB-6 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260C | | |
| Analytical Date: | 04/02/15 17:45 | | |
| Analyst: | BN | | |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 14 | 1.5 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 2.0 | 0.12 | 1 |
| Chloroform | ND | | ug/kg | 2.0 | 0.51 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.4 | 0.29 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 4.8 | 0.31 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.4 | 0.21 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 2.0 | 0.42 | 1 |
| Tetrachloroethene | ND | | ug/kg | 1.4 | 0.19 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.4 | 0.48 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 6.8 | 0.53 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.4 | 0.16 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.4 | 0.15 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.4 | 0.24 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.4 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.4 | 0.16 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.4 | 0.16 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 6.8 | 0.19 | 1 |
| Bromoform | ND | | ug/kg | 5.5 | 0.32 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.4 | 0.14 | 1 |
| Benzene | ND | | ug/kg | 1.4 | 0.16 | 1 |
| Toluene | ND | | ug/kg | 2.0 | 0.27 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.4 | 0.17 | 1 |
| Chloromethane | ND | | ug/kg | 6.8 | 0.40 | 1 |
| Bromomethane | ND | | ug/kg | 2.7 | 0.46 | 1 |
| Vinyl chloride | ND | | ug/kg | 2.7 | 0.16 | 1 |
| Chloroethane | ND | | ug/kg | 2.7 | 0.43 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.4 | 0.36 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.0 | 0.29 | 1 |
| Trichloroethene | 1.9 | | ug/kg | 1.4 | 0.17 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 6.8 | 0.21 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-11 Date Collected: 03/30/15 08:34

Client ID: SB-6 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/kg | 6.8 | 0.18 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 6.8 | 0.19 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.7 | 0.12 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.7 | 0.27 | 1 |
| o-Xylene | ND | | ug/kg | 2.7 | 0.24 | 1 |
| Xylenes, Total | ND | | ug/kg | 2.7 | 0.24 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.4 | 0.20 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.4 | 0.20 | 1 |
| Dibromomethane | ND | | ug/kg | 14 | 0.22 | 1 |
| Styrene | ND | | ug/kg | 2.7 | 0.55 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 14 | 0.26 | 1 |
| Acetone | 2.8 | J | ug/kg | 14 | 1.4 | 1 |
| Carbon disulfide | ND | | ug/kg | 14 | 1.5 | 1 |
| 2-Butanone | ND | | ug/kg | 14 | 0.37 | 1 |
| Vinyl acetate | ND | | ug/kg | 14 | 0.18 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 14 | 0.33 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 14 | 0.22 | 1 |
| 2-Hexanone | ND | | ug/kg | 14 | 0.91 | 1 |
| Bromochloromethane | ND | | ug/kg | 6.8 | 0.38 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 6.8 | 0.31 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 5.5 | 0.24 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 6.8 | 0.20 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.4 | 0.44 | 1 |
| Bromobenzene | ND | | ug/kg | 6.8 | 0.28 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.4 | 0.16 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.4 | 0.17 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 6.8 | 0.18 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 6.8 | 0.22 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 6.8 | 0.18 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 6.8 | 0.54 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 6.8 | 0.31 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.4 | 0.14 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.4 | 0.17 | 1 |
| Naphthalene | ND | | ug/kg | 6.8 | 0.19 | 1 |
| Acrylonitrile | ND | | ug/kg | 14 | 0.70 | 1 |
| n-Propylbenzene | ND | | ug/kg | 1.4 | 0.15 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 6.8 | 0.20 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 6.8 | 0.25 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 6.8 | 0.20 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-11 Date Collected: 03/30/15 08:34

Client ID: SB-6 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 6.8 | 0.19 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 140 | 20. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 5.5 | 0.22 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 5.5 | 0.17 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 5.5 | 0.18 | 1 |
| Ethyl ether | ND | | ug/kg | 6.8 | 0.36 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.8 | 0.54 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 98 | | 70-130 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-12 | Date Collected: | 03/30/15 08:42 |
| Client ID: | SB-6 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260C | | |
| Analytical Date: | 04/02/15 16:19 | | |
| Analyst: | BN | | |
| Percent Solids: | 85% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/kg | 780 | 86. | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 120 | 6.7 | 1 |
| Chloroform | ND | | ug/kg | 120 | 29. | 1 |
| Carbon tetrachloride | ND | | ug/kg | 78 | 16. | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 270 | 18. | 1 |
| Dibromochloromethane | ND | | ug/kg | 78 | 12. | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 120 | 24. | 1 |
| Tetrachloroethene | ND | | ug/kg | 78 | 11. | 1 |
| Chlorobenzene | ND | | ug/kg | 78 | 27. | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 390 | 30. | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 78 | 8.8 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 78 | 8.6 | 1 |
| Bromodichloromethane | ND | | ug/kg | 78 | 14. | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 78 | 9.4 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 78 | 9.2 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 78 | 9.2 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 390 | 11. | 1 |
| Bromoform | ND | | ug/kg | 310 | 18. | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 78 | 7.8 | 1 |
| Benzene | 4400 | | ug/kg | 78 | 9.2 | 1 |
| Toluene | 2600 | | ug/kg | 120 | 15. | 1 |
| Ethylbenzene | 220 | | ug/kg | 78 | 9.9 | 1 |
| Chloromethane | ND | | ug/kg | 390 | 23. | 1 |
| Bromomethane | ND | | ug/kg | 160 | 26. | 1 |
| Vinyl chloride | ND | | ug/kg | 160 | 9.2 | 1 |
| Chloroethane | ND | | ug/kg | 160 | 25. | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 78 | 20. | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 120 | 16. | 1 |
| Trichloroethene | ND | | ug/kg | 78 | 9.7 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 390 | 12. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-12 Date Collected: 03/30/15 08:42

Client ID: SB-6 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/kg | 390 | 10. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 390 | 11. | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 160 | 6.6 | 1 |
| p/m-Xylene | 540 | | ug/kg | 160 | 15. | 1 |
| o-Xylene | 120 | J | ug/kg | 160 | 13. | 1 |
| Xylenes, Total | 660 | J | ug/kg | 160 | 13. | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 78 | 11. | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 78 | 11. | 1 |
| Dibromomethane | ND | | ug/kg | 780 | 13. | 1 |
| Styrene | ND | | ug/kg | 160 | 31. | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 780 | 15. | 1 |
| Acetone | 200 | J | ug/kg | 780 | 81. | 1 |
| Carbon disulfide | ND | | ug/kg | 780 | 86. | 1 |
| 2-Butanone | ND | | ug/kg | 780 | 21. | 1 |
| Vinyl acetate | ND | | ug/kg | 780 | 10. | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 780 | 19. | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 780 | 13. | 1 |
| 2-Hexanone | ND | | ug/kg | 780 | 52. | 1 |
| Bromochloromethane | ND | | ug/kg | 390 | 22. | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 390 | 18. | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 310 | 14. | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 390 | 11. | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 78 | 25. | 1 |
| Bromobenzene | ND | | ug/kg | 390 | 16. | 1 |
| n-Butylbenzene | ND | | ug/kg | 78 | 9.0 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 78 | 9.5 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 390 | 10. | 1 |
| o-Chlorotoluene | ND | | ug/kg | 390 | 12. | 1 |
| p-Chlorotoluene | ND | | ug/kg | 390 | 10. | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 390 | 31. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 390 | 18. | 1 |
| Isopropylbenzene | ND | | ug/kg | 78 | 8.1 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 78 | 9.7 | 1 |
| Naphthalene | 94 | J | ug/kg | 390 | 11. | 1 |
| Acrylonitrile | ND | | ug/kg | 780 | 40. | 1 |
| n-Propylbenzene | ND | | ug/kg | 78 | 8.5 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 390 | 12. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 390 | 14. | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 390 | 11. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-12 Date Collected: 03/30/15 08:42

Client ID: SB-6 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,2,4-Trimethylbenzene | 72 | J | ug/kg | 390 | 11. | 1 |
| 1,4-Dioxane | ND | | ug/kg | 7800 | 1100 | 1 |
| p-Diethylbenzene | ND | | ug/kg | 310 | 12. | 1 |
| p-Ethyltoluene | 64 | J | ug/kg | 310 | 9.7 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 310 | 10. | 1 |
| Ethyl ether | ND | | ug/kg | 390 | 20. | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 390 | 30. | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 108 | | 70-130 |
| Toluene-d8 | 107 | | 70-130 |
| 4-Bromofluorobenzene | 106 | | 70-130 |
| Dibromofluoromethane | 95 | | 70-130 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-13 | Date Collected: | 03/30/15 08:58 |
| Client ID: | SB-7 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260C | | |
| Analytical Date: | 04/02/15 18:14 | | |
| Analyst: | BN | | |
| Percent Solids: | 88% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 13 | 1.4 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.9 | 0.11 | 1 |
| Chloroform | ND | | ug/kg | 1.9 | 0.48 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 1.3 | 0.27 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 4.5 | 0.29 | 1 |
| Dibromochloromethane | ND | | ug/kg | 1.3 | 0.20 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.9 | 0.39 | 1 |
| Tetrachloroethene | ND | | ug/kg | 1.3 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/kg | 1.3 | 0.45 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 6.4 | 0.50 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.3 | 0.15 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.3 | 0.14 | 1 |
| Bromodichloromethane | ND | | ug/kg | 1.3 | 0.22 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.3 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.3 | 0.15 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.3 | 0.15 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 6.4 | 0.18 | 1 |
| Bromoform | ND | | ug/kg | 5.2 | 0.30 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.3 | 0.13 | 1 |
| Benzene | ND | | ug/kg | 1.3 | 0.15 | 1 |
| Toluene | ND | | ug/kg | 1.9 | 0.25 | 1 |
| Ethylbenzene | ND | | ug/kg | 1.3 | 0.16 | 1 |
| Chloromethane | ND | | ug/kg | 6.4 | 0.38 | 1 |
| Bromomethane | ND | | ug/kg | 2.6 | 0.44 | 1 |
| Vinyl chloride | ND | | ug/kg | 2.6 | 0.15 | 1 |
| Chloroethane | ND | | ug/kg | 2.6 | 0.41 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.3 | 0.34 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.9 | 0.27 | 1 |
| Trichloroethene | 2.1 | | ug/kg | 1.3 | 0.16 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 6.4 | 0.20 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-13 Date Collected: 03/30/15 08:58

Client ID: SB-7 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/kg | 6.4 | 0.17 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 6.4 | 0.18 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 2.6 | 0.11 | 1 |
| p/m-Xylene | ND | | ug/kg | 2.6 | 0.25 | 1 |
| o-Xylene | ND | | ug/kg | 2.6 | 0.22 | 1 |
| Xylenes, Total | ND | | ug/kg | 2.6 | 0.22 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.3 | 0.18 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.3 | 0.18 | 1 |
| Dibromomethane | ND | | ug/kg | 13 | 0.21 | 1 |
| Styrene | ND | | ug/kg | 2.6 | 0.52 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 13 | 0.24 | 1 |
| Acetone | 3.0 | J | ug/kg | 13 | 1.3 | 1 |
| Carbon disulfide | ND | | ug/kg | 13 | 1.4 | 1 |
| 2-Butanone | ND | | ug/kg | 13 | 0.35 | 1 |
| Vinyl acetate | ND | | ug/kg | 13 | 0.17 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 13 | 0.31 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 13 | 0.21 | 1 |
| 2-Hexanone | ND | | ug/kg | 13 | 0.86 | 1 |
| Bromochloromethane | ND | | ug/kg | 6.4 | 0.36 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 6.4 | 0.29 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 5.2 | 0.22 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 6.4 | 0.19 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.3 | 0.41 | 1 |
| Bromobenzene | ND | | ug/kg | 6.4 | 0.27 | 1 |
| n-Butylbenzene | ND | | ug/kg | 1.3 | 0.15 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 1.3 | 0.16 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 6.4 | 0.17 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 6.4 | 0.20 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 6.4 | 0.17 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 6.4 | 0.51 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 6.4 | 0.29 | 1 |
| Isopropylbenzene | ND | | ug/kg | 1.3 | 0.13 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 1.3 | 0.16 | 1 |
| Naphthalene | ND | | ug/kg | 6.4 | 0.18 | 1 |
| Acrylonitrile | ND | | ug/kg | 13 | 0.66 | 1 |
| n-Propylbenzene | ND | | ug/kg | 1.3 | 0.14 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 6.4 | 0.19 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 6.4 | 0.23 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 6.4 | 0.18 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-13 Date Collected: 03/30/15 08:58

Client ID: SB-7 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 6.4 | 0.18 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 130 | 18. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 5.2 | 0.20 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 5.2 | 0.16 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 5.2 | 0.17 | 1 |
| Ethyl ether | ND | | ug/kg | 6.4 | 0.33 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 6.4 | 0.50 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 95 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 98 | | 70-130 |
| Dibromofluoromethane | 98 | | 70-130 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-14 | Date Collected: | 03/30/15 09:10 |
| Client ID: | SB-7 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | | |
| Analytical Method: | 1,8260C | | |
| Analytical Date: | 04/02/15 18:42 | | |
| Analyst: | BN | | |
| Percent Solids: | 85% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/kg | 20 | 2.2 | 1 |
| 1,1-Dichloroethane | ND | | ug/kg | 2.9 | 0.17 | 1 |
| Chloroform | ND | | ug/kg | 2.9 | 0.72 | 1 |
| Carbon tetrachloride | ND | | ug/kg | 2.0 | 0.41 | 1 |
| 1,2-Dichloropropane | ND | | ug/kg | 6.8 | 0.44 | 1 |
| Dibromochloromethane | ND | | ug/kg | 2.0 | 0.30 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 2.9 | 0.59 | 1 |
| Tetrachloroethene | ND | | ug/kg | 2.0 | 0.27 | 1 |
| Chlorobenzene | ND | | ug/kg | 2.0 | 0.68 | 1 |
| Trichlorofluoromethane | ND | | ug/kg | 9.8 | 0.76 | 1 |
| 1,2-Dichloroethane | ND | | ug/kg | 2.0 | 0.22 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 2.0 | 0.22 | 1 |
| Bromodichloromethane | ND | | ug/kg | 2.0 | 0.34 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 2.0 | 0.24 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 2.0 | 0.23 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 2.0 | 0.23 | 1 |
| 1,1-Dichloropropene | ND | | ug/kg | 9.8 | 0.28 | 1 |
| Bromoform | ND | | ug/kg | 7.8 | 0.46 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 2.0 | 0.20 | 1 |
| Benzene | ND | | ug/kg | 2.0 | 0.23 | 1 |
| Toluene | ND | | ug/kg | 2.9 | 0.38 | 1 |
| Ethylbenzene | ND | | ug/kg | 2.0 | 0.25 | 1 |
| Chloromethane | ND | | ug/kg | 9.8 | 0.57 | 1 |
| Bromomethane | ND | | ug/kg | 3.9 | 0.66 | 1 |
| Vinyl chloride | ND | | ug/kg | 3.9 | 0.23 | 1 |
| Chloroethane | ND | | ug/kg | 3.9 | 0.62 | 1 |
| 1,1-Dichloroethene | ND | | ug/kg | 2.0 | 0.51 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 2.9 | 0.41 | 1 |
| Trichloroethene | ND | | ug/kg | 2.0 | 0.24 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 9.8 | 0.30 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-14 Date Collected: 03/30/15 09:10

Client ID: SB-7 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/kg | 9.8 | 0.26 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 9.8 | 0.27 | 1 |
| Methyl tert butyl ether | ND | | ug/kg | 3.9 | 0.16 | 1 |
| p/m-Xylene | ND | | ug/kg | 3.9 | 0.39 | 1 |
| o-Xylene | ND | | ug/kg | 3.9 | 0.34 | 1 |
| Xylenes, Total | ND | | ug/kg | 3.9 | 0.34 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 2.0 | 0.28 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 2.0 | 0.28 | 1 |
| Dibromomethane | ND | | ug/kg | 20 | 0.32 | 1 |
| Styrene | ND | | ug/kg | 3.9 | 0.78 | 1 |
| Dichlorodifluoromethane | ND | | ug/kg | 20 | 0.37 | 1 |
| Acetone | 14 | J | ug/kg | 20 | 2.0 | 1 |
| Carbon disulfide | ND | | ug/kg | 20 | 2.2 | 1 |
| 2-Butanone | 2.8 | J | ug/kg | 20 | 0.53 | 1 |
| Vinyl acetate | ND | | ug/kg | 20 | 0.26 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 20 | 0.48 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 20 | 0.32 | 1 |
| 2-Hexanone | ND | | ug/kg | 20 | 1.3 | 1 |
| Bromochloromethane | ND | | ug/kg | 9.8 | 0.54 | 1 |
| 2,2-Dichloropropane | ND | | ug/kg | 9.8 | 0.44 | 1 |
| 1,2-Dibromoethane | ND | | ug/kg | 7.8 | 0.34 | 1 |
| 1,3-Dichloropropane | ND | | ug/kg | 9.8 | 0.28 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 2.0 | 0.62 | 1 |
| Bromobenzene | ND | | ug/kg | 9.8 | 0.41 | 1 |
| n-Butylbenzene | ND | | ug/kg | 2.0 | 0.22 | 1 |
| sec-Butylbenzene | ND | | ug/kg | 2.0 | 0.24 | 1 |
| tert-Butylbenzene | ND | | ug/kg | 9.8 | 0.26 | 1 |
| o-Chlorotoluene | ND | | ug/kg | 9.8 | 0.31 | 1 |
| p-Chlorotoluene | ND | | ug/kg | 9.8 | 0.26 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 9.8 | 0.77 | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 9.8 | 0.44 | 1 |
| Isopropylbenzene | ND | | ug/kg | 2.0 | 0.20 | 1 |
| p-Isopropyltoluene | ND | | ug/kg | 2.0 | 0.24 | 1 |
| Naphthalene | 86 | | ug/kg | 9.8 | 0.27 | 1 |
| Acrylonitrile | ND | | ug/kg | 20 | 1.0 | 1 |
| n-Propylbenzene | ND | | ug/kg | 2.0 | 0.21 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 9.8 | 0.29 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 9.8 | 0.36 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 9.8 | 0.28 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-14 Date Collected: 03/30/15 09:10

Client ID: SB-7 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by 8260/5035 - Westborough Lab** | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 9.8 | 0.28 | 1 |
| 1,4-Dioxane | ND | | ug/kg | 200 | 28. | 1 |
| p-Diethylbenzene | ND | | ug/kg | 7.8 | 0.31 | 1 |
| p-Ethyltoluene | ND | | ug/kg | 7.8 | 0.24 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 7.8 | 0.25 | 1 |
| Ethyl ether | ND | | ug/kg | 9.8 | 0.51 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 9.8 | 0.76 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 96 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 85 | | 70-130 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-15
Client ID: TW-2
Sample Location: BRONX, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/06/15 19:38
Analyst: MS

Date Collected: 03/30/15 14:37
Date Received: 03/31/15
Field Prep: Field Filtered (Metals)

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 | 1 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.13 | 1 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 | 1 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.14 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.14 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichloroethene | 0.25 | J | ug/l | 0.50 | 0.18 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-15 Date Collected: 03/30/15 14:37

Client ID: TW-2 Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Field Filtered (Metals)

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | ND | | ug/l | 5.0 | 1.5 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 | 1 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Naphthalene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-15 Date Collected: 03/30/15 14:37

Client ID: TW-2 Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Field Filtered (Metals)

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dioxane | ND | | ug/l | 250 | 41. | 1 |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 | 1 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.65 | 1 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 118 | | 70-130 |
| Toluene-d8 | 104 | | 70-130 |
| 4-Bromofluorobenzene | 108 | | 70-130 |
| Dibromofluoromethane | 100 | | 70-130 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-16
Client ID: TW-3
Sample Location: BRONX, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/06/15 20:11
Analyst: MS

Date Collected: 03/30/15 15:34
Date Received: 03/31/15
Field Prep: Field Filtered (Metals)

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 | 1 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.13 | 1 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 | 1 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.14 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.14 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichloroethene | 0.20 | J | ug/l | 0.50 | 0.18 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-16 Date Collected: 03/30/15 15:34

Client ID: TW-3 Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Field Filtered (Metals)

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | ND | | ug/l | 5.0 | 1.5 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 | 1 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Naphthalene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-16 Date Collected: 03/30/15 15:34

Client ID: TW-3 Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Field Filtered (Metals)

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dioxane | ND | | ug/l | 250 | 41. | 1 |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 | 1 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.65 | 1 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 115 | | 70-130 |
| Toluene-d8 | 104 | | 70-130 |
| 4-Bromofluorobenzene | 108 | | 70-130 |
| Dibromofluoromethane | 100 | | 70-130 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-17
Client ID: FIELD BLANK (033015)
Sample Location: BRONX, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/06/15 19:42
Analyst: MS

Date Collected: 03/30/15 16:40
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 | 1 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.13 | 1 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 | 1 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.14 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.14 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-17 Date Collected: 03/30/15 16:40

Client ID: FIELD BLANK (033015) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | ND | | ug/l | 5.0 | 1.5 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 | 1 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Naphthalene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-17 Date Collected: 03/30/15 16:40

Client ID: FIELD BLANK (033015) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dioxane | ND | | ug/l | 250 | 41. | 1 |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 | 1 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.65 | 1 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 89 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 85 | | 70-130 |
| Dibromofluoromethane | 93 | | 70-130 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-18
Client ID: FBW (033015)
Sample Location: BRONX, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/06/15 19:14
Analyst: MS

Date Collected: 03/30/15 08:00
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 | 1 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.13 | 1 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 | 1 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.14 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.14 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-18 Date Collected: 03/30/15 08:00

Client ID: FBW (033015) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | ND | | ug/l | 5.0 | 1.5 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 | 1 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Naphthalene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-18 Date Collected: 03/30/15 08:00

Client ID: FBW (033015) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dioxane | ND | | ug/l | 250 | 41. | 1 |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 | 1 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.65 | 1 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 89 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 86 | | 70-130 |
| Dibromofluoromethane | 93 | | 70-130 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-19
Client ID: TRIP BLANK
Sample Location: BRONX, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/06/15 17:03
Analyst: MS

Date Collected: 03/27/15 00:00
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab | | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 | 1 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.13 | 1 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 | 1 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 | 1 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 | 1 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 | 1 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 | 1 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 | 1 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | 0.14 | 1 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.14 | 1 |
| Benzene | ND | | ug/l | 0.50 | 0.16 | 1 |
| Toluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 | 1 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.14 | 1 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-19 Date Collected: 03/27/15 00:00

Client ID: TRIP BLANK Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 | 1 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 | 1 |
| Styrene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 | 1 |
| Acetone | ND | | ug/l | 5.0 | 1.5 | 1 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 | 1 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 | 1 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 | 1 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 | 1 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 | 1 |
| Naphthalene | 2.6 | | ug/l | 2.5 | 0.70 | 1 |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-19 Date Collected: 03/27/15 00:00

Client ID: TRIP BLANK Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Volatile Organics by GC/MS - Westborough Lab** | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 | 1 |
| 1,4-Dioxane | ND | | ug/l | 250 | 41. | 1 |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 | 1 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 | 1 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.65 | 1 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 105 | | 70-130 |
| Dibromofluoromethane | 100 | | 70-130 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/02/15 09:15
Analyst: BN

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03,05-11,13-14 Batch: WG773261-3 | | | | | |
| Methylene chloride | ND | | ug/kg | 10 | 1.1 |
| 1,1-Dichloroethane | ND | | ug/kg | 1.5 | 0.09 |
| Chloroform | ND | | ug/kg | 1.5 | 0.37 |
| Carbon tetrachloride | ND | | ug/kg | 1.0 | 0.21 |
| 1,2-Dichloropropane | ND | | ug/kg | 3.5 | 0.23 |
| Dibromochloromethane | ND | | ug/kg | 1.0 | 0.15 |
| 2-Chloroethylvinyl ether | ND | | ug/kg | 20 | 0.62 |
| 1,1,2-Trichloroethane | ND | | ug/kg | 1.5 | 0.30 |
| Tetrachloroethene | ND | | ug/kg | 1.0 | 0.14 |
| Chlorobenzene | ND | | ug/kg | 1.0 | 0.35 |
| Trichlorofluoromethane | ND | | ug/kg | 5.0 | 0.39 |
| 1,2-Dichloroethane | ND | | ug/kg | 1.0 | 0.11 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 1.0 | 0.11 |
| Bromodichloromethane | ND | | ug/kg | 1.0 | 0.17 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.12 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 1.0 | 0.12 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 1.0 | 0.12 |
| 1,1-Dichloropropene | ND | | ug/kg | 5.0 | 0.14 |
| Bromoform | ND | | ug/kg | 4.0 | 0.24 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 1.0 | 0.10 |
| Benzene | ND | | ug/kg | 1.0 | 0.12 |
| Toluene | ND | | ug/kg | 1.5 | 0.19 |
| Ethylbenzene | ND | | ug/kg | 1.0 | 0.13 |
| Chloromethane | ND | | ug/kg | 5.0 | 0.29 |
| Bromomethane | ND | | ug/kg | 2.0 | 0.34 |
| Vinyl chloride | ND | | ug/kg | 2.0 | 0.12 |
| Chloroethane | ND | | ug/kg | 2.0 | 0.32 |
| 1,1-Dichloroethene | ND | | ug/kg | 1.0 | 0.26 |
| trans-1,2-Dichloroethene | ND | | ug/kg | 1.5 | 0.21 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/02/15 09:15
Analyst: BN

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03,05-11,13-14 Batch: WG773261-3 | | | | | |
| Trichloroethene | ND | | ug/kg | 1.0 | 0.12 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 5.0 | 0.15 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 5.0 | 0.14 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 5.0 | 0.14 |
| Methyl tert butyl ether | ND | | ug/kg | 2.0 | 0.08 |
| p/m-Xylene | ND | | ug/kg | 2.0 | 0.20 |
| o-Xylene | ND | | ug/kg | 2.0 | 0.17 |
| Xylenes, Total | ND | | ug/kg | 2.0 | 0.17 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 1.0 | 0.14 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 1.0 | 0.14 |
| Dibromomethane | ND | | ug/kg | 10 | 0.16 |
| Styrene | ND | | ug/kg | 2.0 | 0.40 |
| Dichlorodifluoromethane | ND | | ug/kg | 10 | 0.19 |
| Acetone | ND | | ug/kg | 10 | 1.0 |
| Carbon disulfide | ND | | ug/kg | 10 | 1.1 |
| 2-Butanone | ND | | ug/kg | 10 | 0.27 |
| Vinyl acetate | ND | | ug/kg | 10 | 0.13 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 10 | 0.24 |
| 1,2,3-Trichloropropane | ND | | ug/kg | 10 | 0.16 |
| 2-Hexanone | ND | | ug/kg | 10 | 0.67 |
| Bromochloromethane | ND | | ug/kg | 5.0 | 0.28 |
| 2,2-Dichloropropane | ND | | ug/kg | 5.0 | 0.23 |
| 1,2-Dibromoethane | ND | | ug/kg | 4.0 | 0.17 |
| 1,3-Dichloropropane | ND | | ug/kg | 5.0 | 0.14 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 1.0 | 0.32 |
| Bromobenzene | ND | | ug/kg | 5.0 | 0.21 |
| n-Butylbenzene | ND | | ug/kg | 1.0 | 0.11 |
| sec-Butylbenzene | ND | | ug/kg | 1.0 | 0.12 |
| tert-Butylbenzene | ND | | ug/kg | 5.0 | 0.14 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/02/15 09:15
Analyst: BN

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03,05-11,13-14 Batch: WG773261-3 | | | | | |
| o-Chlorotoluene | ND | | ug/kg | 5.0 | 0.16 |
| p-Chlorotoluene | ND | | ug/kg | 5.0 | 0.13 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 5.0 | 0.40 |
| Hexachlorobutadiene | ND | | ug/kg | 5.0 | 0.23 |
| Isopropylbenzene | ND | | ug/kg | 1.0 | 0.10 |
| p-Isopropyltoluene | ND | | ug/kg | 1.0 | 0.12 |
| Naphthalene | ND | | ug/kg | 5.0 | 0.14 |
| Acrylonitrile | ND | | ug/kg | 10 | 0.51 |
| Diisopropyl Ether | ND | | ug/kg | 4.0 | 0.14 |
| Tert-Butyl Alcohol | ND | | ug/kg | 60 | 2.9 |
| n-Propylbenzene | ND | | ug/kg | 1.0 | 0.11 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 5.0 | 0.15 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 5.0 | 0.18 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 5.0 | 0.14 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 5.0 | 0.14 |
| Methyl Acetate | ND | | ug/kg | 20 | 0.27 |
| Ethyl Acetate | ND | | ug/kg | 20 | 0.92 |
| Acrolein | ND | | ug/kg | 25 | 8.1 |
| Cyclohexane | ND | | ug/kg | 20 | 0.15 |
| 1,4-Dioxane | ND | | ug/kg | 100 | 14. |
| Freon-113 | ND | | ug/kg | 20 | 0.27 |
| p-Diethylbenzene | ND | | ug/kg | 4.0 | 0.16 |
| p-Ethyltoluene | ND | | ug/kg | 4.0 | 0.12 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 4.0 | 0.13 |
| Tetrahydrofuran | ND | | ug/kg | 20 | 1.0 |
| Ethyl ether | ND | | ug/kg | 5.0 | 0.26 |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 5.0 | 0.39 |
| Methyl cyclohexane | ND | | ug/kg | 4.0 | 0.15 |
| Ethyl-Tert-Butyl-Ether | ND | | ug/kg | 4.0 | 0.12 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/02/15 09:15
Analyst: BN

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03,05-11,13-14 Batch: WG773261-3 | | | | | |
| Tertiary-Amyl Methyl Ether | ND | | ug/kg | 4.0 | 0.10 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 96 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 96 | | 70-130 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/02/15 09:12
Analyst: BN

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,04,12 Batch: WG773314-3 | | | | | |
| Methylene chloride | ND | | ug/kg | 500 | 55. |
| 1,1-Dichloroethane | ND | | ug/kg | 75 | 4.3 |
| Chloroform | ND | | ug/kg | 75 | 18. |
| Carbon tetrachloride | ND | | ug/kg | 50 | 10. |
| 1,2-Dichloropropane | ND | | ug/kg | 180 | 11. |
| Dibromochloromethane | ND | | ug/kg | 50 | 7.7 |
| 2-Chloroethylvinyl ether | ND | | ug/kg | 1000 | 31. |
| 1,1,2-Trichloroethane | ND | | ug/kg | 75 | 15. |
| Tetrachloroethene | ND | | ug/kg | 50 | 7.0 |
| Chlorobenzene | ND | | ug/kg | 50 | 17. |
| Trichlorofluoromethane | ND | | ug/kg | 250 | 19. |
| 1,2-Dichloroethane | ND | | ug/kg | 50 | 5.7 |
| 1,1,1-Trichloroethane | ND | | ug/kg | 50 | 5.5 |
| Bromodichloromethane | ND | | ug/kg | 50 | 8.7 |
| trans-1,3-Dichloropropene | ND | | ug/kg | 50 | 6.0 |
| cis-1,3-Dichloropropene | ND | | ug/kg | 50 | 5.9 |
| 1,3-Dichloropropene, Total | ND | | ug/kg | 50 | 5.9 |
| 1,1-Dichloropropene | ND | | ug/kg | 250 | 7.1 |
| Bromoform | ND | | ug/kg | 200 | 12. |
| 1,1,2,2-Tetrachloroethane | ND | | ug/kg | 50 | 5.0 |
| Benzene | ND | | ug/kg | 50 | 5.9 |
| Toluene | ND | | ug/kg | 75 | 9.7 |
| Ethylbenzene | ND | | ug/kg | 50 | 6.4 |
| Chloromethane | ND | | ug/kg | 250 | 15. |
| Bromomethane | ND | | ug/kg | 100 | 17. |
| Vinyl chloride | ND | | ug/kg | 100 | 5.9 |
| Chloroethane | ND | | ug/kg | 100 | 16. |
| 1,1-Dichloroethene | ND | | ug/kg | 50 | 13. |
| trans-1,2-Dichloroethene | ND | | ug/kg | 75 | 11. |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/02/15 09:12
Analyst: BN

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,04,12 Batch: WG773314-3 | | | | | |
| Trichloroethene | ND | | ug/kg | 50 | 6.2 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 250 | 7.7 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 250 | 6.8 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 250 | 6.9 |
| Methyl tert butyl ether | ND | | ug/kg | 100 | 4.2 |
| p/m-Xylene | ND | | ug/kg | 100 | 9.9 |
| o-Xylene | ND | | ug/kg | 100 | 8.6 |
| Xylenes, Total | ND | | ug/kg | 100 | 8.6 |
| cis-1,2-Dichloroethene | ND | | ug/kg | 50 | 7.1 |
| 1,2-Dichloroethene, Total | ND | | ug/kg | 50 | 7.1 |
| Dibromomethane | ND | | ug/kg | 500 | 8.2 |
| Styrene | ND | | ug/kg | 100 | 20. |
| Dichlorodifluoromethane | ND | | ug/kg | 500 | 9.5 |
| Acetone | ND | | ug/kg | 500 | 52. |
| Carbon disulfide | ND | | ug/kg | 500 | 55. |
| 2-Butanone | ND | | ug/kg | 500 | 14. |
| Vinyl acetate | ND | | ug/kg | 500 | 6.6 |
| 4-Methyl-2-pentanone | ND | | ug/kg | 500 | 12. |
| 1,2,3-Trichloropropane | ND | | ug/kg | 500 | 8.1 |
| 2-Hexanone | ND | | ug/kg | 500 | 33. |
| Bromochloromethane | ND | | ug/kg | 250 | 14. |
| 2,2-Dichloropropane | ND | | ug/kg | 250 | 11. |
| 1,2-Dibromoethane | ND | | ug/kg | 200 | 8.7 |
| 1,3-Dichloropropane | ND | | ug/kg | 250 | 7.3 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/kg | 50 | 16. |
| Bromobenzene | ND | | ug/kg | 250 | 10. |
| n-Butylbenzene | ND | | ug/kg | 50 | 5.7 |
| sec-Butylbenzene | ND | | ug/kg | 50 | 6.1 |
| tert-Butylbenzene | ND | | ug/kg | 250 | 6.8 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/02/15 09:12
Analyst: BN

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,04,12 Batch: WG773314-3 | | | | | |
| o-Chlorotoluene | ND | | ug/kg | 250 | 8.0 |
| p-Chlorotoluene | ND | | ug/kg | 250 | 6.6 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/kg | 250 | 20. |
| Hexachlorobutadiene | ND | | ug/kg | 250 | 11. |
| Isopropylbenzene | ND | | ug/kg | 50 | 5.2 |
| p-Isopropyltoluene | ND | | ug/kg | 50 | 6.2 |
| Naphthalene | ND | | ug/kg | 250 | 6.9 |
| Acrylonitrile | ND | | ug/kg | 500 | 26. |
| Diisopropyl Ether | ND | | ug/kg | 200 | 7.0 |
| Tert-Butyl Alcohol | ND | | ug/kg | 3000 | 150 |
| n-Propylbenzene | ND | | ug/kg | 50 | 5.5 |
| 1,2,3-Trichlorobenzene | ND | | ug/kg | 250 | 7.4 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 250 | 9.1 |
| 1,3,5-Trimethylbenzene | ND | | ug/kg | 250 | 7.2 |
| 1,2,4-Trimethylbenzene | ND | | ug/kg | 250 | 7.1 |
| Methyl Acetate | ND | | ug/kg | 1000 | 14. |
| Ethyl Acetate | ND | | ug/kg | 1000 | 46. |
| Acrolein | ND | | ug/kg | 1200 | 400 |
| Cyclohexane | ND | | ug/kg | 1000 | 7.3 |
| 1,4-Dioxane | ND | | ug/kg | 5000 | 720 |
| Freon-113 | ND | | ug/kg | 1000 | 14. |
| p-Diethylbenzene | ND | | ug/kg | 200 | 8.0 |
| p-Ethyltoluene | ND | | ug/kg | 200 | 6.2 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/kg | 200 | 6.5 |
| Tetrahydrofuran | ND | | ug/kg | 1000 | 50. |
| Ethyl ether | ND | | ug/kg | 250 | 13. |
| trans-1,4-Dichloro-2-butene | ND | | ug/kg | 250 | 20. |
| Methyl cyclohexane | ND | | ug/kg | 200 | 7.7 |
| Ethyl-Tert-Butyl-Ether | ND | | ug/kg | 200 | 5.8 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/02/15 09:12
Analyst: BN

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,04,12 Batch: WG773314-3 | | | | | |
| Tertiary-Amyl Methyl Ether | ND | | ug/kg | 200 | 4.8 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 106 | | 70-130 |
| Toluene-d8 | 109 | | 70-130 |
| 4-Bromofluorobenzene | 108 | | 70-130 |
| Dibromofluoromethane | 97 | | 70-130 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/15 10:22
Analyst: MS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 17-18 Batch: WG773841-3 | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 |
| 2-Chloroethylvinyl ether | ND | | ug/l | 10 | 0.70 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.13 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | 0.14 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.14 |
| Benzene | ND | | ug/l | 0.50 | 0.16 |
| Toluene | ND | | ug/l | 2.5 | 0.70 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.14 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/15 10:22
Analyst: MS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 17-18 Batch: WG773841-3 | | | | | |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 |
| Diisopropyl Ether | ND | | ug/l | 2.0 | 0.65 |
| Tert-Butyl Alcohol | ND | | ug/l | 10 | 0.90 |
| Styrene | ND | | ug/l | 2.5 | 0.70 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 |
| Acetone | ND | | ug/l | 5.0 | 1.5 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 |
| Acrolein | ND | | ug/l | 5.0 | 0.63 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/15 10:22
Analyst: MS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 17-18 Batch: WG773841-3 | | | | | |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 |
| Naphthalene | ND | | ug/l | 2.5 | 0.70 |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl Acetate | ND | | ug/l | 2.0 | 0.23 |
| Ethyl Acetate | ND | | ug/l | 10 | 0.70 |
| Cyclohexane | ND | | ug/l | 10 | 0.27 |
| Ethyl-Tert-Butyl-Ether | ND | | ug/l | 2.5 | 0.70 |
| Tertiary-Amyl Methyl Ether | ND | | ug/l | 2.0 | 0.28 |
| 1,4-Dioxane | ND | | ug/l | 250 | 41. |
| Freon-113 | ND | | ug/l | 2.5 | 0.70 |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.65 |
| Tetrahydrofuran | ND | | ug/l | 5.0 | 1.5 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/15 10:22
Analyst: MS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 17-18 Batch: WG773841-3 | | | | | |
| Iodomethane | ND | | ug/l | 5.0 | 5.0 |
| Methyl cyclohexane | ND | | ug/l | 10 | 0.40 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 87 | | 70-130 |
| Toluene-d8 | 98 | | 70-130 |
| 4-Bromofluorobenzene | 87 | | 70-130 |
| Dibromofluoromethane | 93 | | 70-130 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/15 10:42
Analyst: MS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 15-16 Batch: WG773845-3 | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 |
| 2-Chloroethylvinyl ether | ND | | ug/l | 10 | 0.70 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.13 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | 0.14 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.14 |
| Benzene | ND | | ug/l | 0.50 | 0.16 |
| Toluene | ND | | ug/l | 2.5 | 0.70 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.14 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/15 10:42
Analyst: MS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 15-16 Batch: WG773845-3 | | | | | |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 |
| Diisopropyl Ether | ND | | ug/l | 2.0 | 0.65 |
| Tert-Butyl Alcohol | ND | | ug/l | 10 | 0.90 |
| Styrene | ND | | ug/l | 2.5 | 0.70 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 |
| Acetone | ND | | ug/l | 5.0 | 1.5 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 |
| Acrolein | ND | | ug/l | 5.0 | 0.63 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/15 10:42
Analyst: MS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 15-16 Batch: WG773845-3 | | | | | |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 |
| Naphthalene | ND | | ug/l | 2.5 | 0.70 |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl Acetate | ND | | ug/l | 2.0 | 0.23 |
| Ethyl Acetate | ND | | ug/l | 10 | 0.70 |
| Cyclohexane | ND | | ug/l | 10 | 0.27 |
| Ethyl-Tert-Butyl-Ether | ND | | ug/l | 2.5 | 0.70 |
| Tertiary-Amyl Methyl Ether | ND | | ug/l | 2.0 | 0.28 |
| 1,4-Dioxane | ND | | ug/l | 250 | 41. |
| Freon-113 | ND | | ug/l | 2.5 | 0.70 |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.65 |
| Tetrahydrofuran | ND | | ug/l | 5.0 | 1.5 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/15 10:42
Analyst: MS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 15-16 Batch: WG773845-3 | | | | | |
| Iodomethane | ND | | ug/l | 5.0 | 5.0 |
| Methyl cyclohexane | ND | | ug/l | 10 | 0.40 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 117 | | 70-130 |
| Toluene-d8 | 104 | | 70-130 |
| 4-Bromofluorobenzene | 109 | | 70-130 |
| Dibromofluoromethane | 100 | | 70-130 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/15 14:26
Analyst: MS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 19 Batch: WG774052-3 | | | | | |
| Methylene chloride | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Chloroform | ND | | ug/l | 2.5 | 0.70 |
| 2-Chloroethylvinyl ether | ND | | ug/l | 10 | 0.70 |
| Carbon tetrachloride | ND | | ug/l | 0.50 | 0.13 |
| 1,2-Dichloropropane | ND | | ug/l | 1.0 | 0.13 |
| Dibromochloromethane | ND | | ug/l | 0.50 | 0.15 |
| 1,1,2-Trichloroethane | ND | | ug/l | 1.5 | 0.50 |
| Tetrachloroethene | ND | | ug/l | 0.50 | 0.18 |
| Chlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Trichlorofluoromethane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethane | ND | | ug/l | 0.50 | 0.13 |
| 1,1,1-Trichloroethane | ND | | ug/l | 2.5 | 0.70 |
| Bromodichloromethane | ND | | ug/l | 0.50 | 0.19 |
| trans-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.16 |
| cis-1,3-Dichloropropene | ND | | ug/l | 0.50 | 0.14 |
| 1,3-Dichloropropene, Total | ND | | ug/l | 0.50 | 0.14 |
| 1,1-Dichloropropene | ND | | ug/l | 2.5 | 0.70 |
| Bromoform | ND | | ug/l | 2.0 | 0.65 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/l | 0.50 | 0.14 |
| Benzene | ND | | ug/l | 0.50 | 0.16 |
| Toluene | ND | | ug/l | 2.5 | 0.70 |
| Ethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Chloromethane | ND | | ug/l | 2.5 | 0.70 |
| Bromomethane | ND | | ug/l | 2.5 | 0.70 |
| Vinyl chloride | ND | | ug/l | 1.0 | 0.07 |
| Chloroethane | ND | | ug/l | 2.5 | 0.70 |
| 1,1-Dichloroethene | ND | | ug/l | 0.50 | 0.14 |
| trans-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/15 14:26
Analyst: MS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 19 Batch: WG774052-3 | | | | | |
| Trichloroethene | ND | | ug/l | 0.50 | 0.18 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl tert butyl ether | ND | | ug/l | 2.5 | 0.70 |
| p/m-Xylene | ND | | ug/l | 2.5 | 0.70 |
| o-Xylene | ND | | ug/l | 2.5 | 0.70 |
| Xylenes, Total | ND | | ug/l | 2.5 | 0.70 |
| cis-1,2-Dichloroethene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dichloroethene, Total | ND | | ug/l | 2.5 | 0.70 |
| Dibromomethane | ND | | ug/l | 5.0 | 1.0 |
| 1,2,3-Trichloropropane | ND | | ug/l | 2.5 | 0.70 |
| Acrylonitrile | ND | | ug/l | 5.0 | 1.5 |
| Diisopropyl Ether | ND | | ug/l | 2.0 | 0.65 |
| Tert-Butyl Alcohol | ND | | ug/l | 10 | 0.90 |
| Styrene | ND | | ug/l | 2.5 | 0.70 |
| Dichlorodifluoromethane | ND | | ug/l | 5.0 | 1.0 |
| Acetone | ND | | ug/l | 5.0 | 1.5 |
| Carbon disulfide | ND | | ug/l | 5.0 | 1.0 |
| 2-Butanone | ND | | ug/l | 5.0 | 1.9 |
| Vinyl acetate | ND | | ug/l | 5.0 | 1.0 |
| 4-Methyl-2-pentanone | ND | | ug/l | 5.0 | 1.0 |
| 2-Hexanone | ND | | ug/l | 5.0 | 1.0 |
| Acrolein | ND | | ug/l | 5.0 | 0.63 |
| Bromochloromethane | ND | | ug/l | 2.5 | 0.70 |
| 2,2-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromoethane | ND | | ug/l | 2.0 | 0.65 |
| 1,3-Dichloropropane | ND | | ug/l | 2.5 | 0.70 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/l | 2.5 | 0.70 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/15 14:26
Analyst: MS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 19 Batch: WG774052-3 | | | | | |
| Bromobenzene | ND | | ug/l | 2.5 | 0.70 |
| n-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| sec-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| tert-Butylbenzene | ND | | ug/l | 2.5 | 0.70 |
| o-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 |
| p-Chlorotoluene | ND | | ug/l | 2.5 | 0.70 |
| 1,2-Dibromo-3-chloropropane | ND | | ug/l | 2.5 | 0.70 |
| Hexachlorobutadiene | ND | | ug/l | 2.5 | 0.70 |
| Isopropylbenzene | ND | | ug/l | 2.5 | 0.70 |
| p-Isopropyltoluene | ND | | ug/l | 2.5 | 0.70 |
| Naphthalene | ND | | ug/l | 2.5 | 0.70 |
| n-Propylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,3-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,3,5-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| 1,2,4-Trimethylbenzene | ND | | ug/l | 2.5 | 0.70 |
| Methyl Acetate | ND | | ug/l | 2.0 | 0.23 |
| Ethyl Acetate | ND | | ug/l | 10 | 0.70 |
| Cyclohexane | ND | | ug/l | 10 | 0.27 |
| Ethyl-Tert-Butyl-Ether | ND | | ug/l | 2.5 | 0.70 |
| Tertiary-Amyl Methyl Ether | ND | | ug/l | 2.0 | 0.28 |
| 1,4-Dioxane | ND | | ug/l | 250 | 41. |
| Freon-113 | ND | | ug/l | 2.5 | 0.70 |
| p-Diethylbenzene | ND | | ug/l | 2.0 | 0.70 |
| p-Ethyltoluene | ND | | ug/l | 2.0 | 0.70 |
| 1,2,4,5-Tetramethylbenzene | ND | | ug/l | 2.0 | 0.65 |
| Tetrahydrofuran | ND | | ug/l | 5.0 | 1.5 |
| Ethyl ether | ND | | ug/l | 2.5 | 0.70 |
| trans-1,4-Dichloro-2-butene | ND | | ug/l | 2.5 | 0.70 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/15 14:26
Analyst: MS

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 19 Batch: WG774052-3 | | | | | |
| Iodomethane | ND | | ug/l | 5.0 | 5.0 |
| Methyl cyclohexane | ND | | ug/l | 10 | 0.40 |

Tentatively Identified Compounds

| | | |
|---|---|---|
| No Tentatively Identified Compounds | ND | ug/l |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 105 | | 70-130 |
| Dibromofluoromethane | 103 | | 70-130 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03,05-11,13-14 Batch: WG773261-1 WG773261-2 | | | | | | | | |
| Methylene chloride | 98 | | 104 | | 70-130 | 6 | | 30 |
| 1,1-Dichloroethane | 100 | | 94 | | 70-130 | 6 | | 30 |
| Chloroform | 99 | | 95 | | 70-130 | 4 | | 30 |
| Carbon tetrachloride | 101 | | 89 | | 70-130 | 13 | | 30 |
| 1,2-Dichloropropane | 101 | | 96 | | 70-130 | 5 | | 30 |
| Dibromochloromethane | 97 | | 94 | | 70-130 | 3 | | 30 |
| 2-Chloroethylvinyl ether | 96 | | 96 | | 70-130 | 0 | | 30 |
| 1,1,2-Trichloroethane | 99 | | 99 | | 70-130 | 0 | | 30 |
| Tetrachloroethene | 103 | | 92 | | 70-130 | 11 | | 30 |
| Chlorobenzene | 102 | | 98 | | 70-130 | 4 | | 30 |
| Trichlorofluoromethane | 118 | | 102 | | 70-139 | 15 | | 30 |
| 1,2-Dichloroethane | 97 | | 96 | | 70-130 | 1 | | 30 |
| 1,1,1-Trichloroethane | 102 | | 91 | | 70-130 | 11 | | 30 |
| Bromodichloromethane | 99 | | 96 | | 70-130 | 3 | | 30 |
| trans-1,3-Dichloropropene | 100 | | 98 | | 70-130 | 2 | | 30 |
| cis-1,3-Dichloropropene | 100 | | 97 | | 70-130 | 3 | | 30 |
| 1,1-Dichloropropene | 103 | | 93 | | 70-130 | 10 | | 30 |
| Bromoform | 94 | | 97 | | 70-130 | 3 | | 30 |
| 1,1,2,2-Tetrachloroethane | 98 | | 98 | | 70-130 | 0 | | 30 |
| Benzene | 102 | | 95 | | 70-130 | 7 | | 30 |
| Toluene | 101 | | 94 | | 70-130 | 7 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03,05-11,13-14 Batch: WG773261-1 WG773261-2

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | 103 | | 96 | | 70-130 | 7 | | 30 |
| Chloromethane | 90 | | 82 | | 52-130 | 9 | | 30 |
| Bromomethane | 123 | | 111 | | 57-147 | 10 | | 30 |
| Vinyl chloride | 100 | | 87 | | 67-130 | 14 | | 30 |
| Chloroethane | 110 | | 99 | | 50-151 | 11 | | 30 |
| 1,1-Dichloroethene | 107 | | 97 | | 65-135 | 10 | | 30 |
| trans-1,2-Dichloroethene | 101 | | 92 | | 70-130 | 9 | | 30 |
| Trichloroethene | 102 | | 94 | | 70-130 | 8 | | 30 |
| 1,2-Dichlorobenzene | 101 | | 98 | | 70-130 | 3 | | 30 |
| 1,3-Dichlorobenzene | 105 | | 100 | | 70-130 | 5 | | 30 |
| 1,4-Dichlorobenzene | 104 | | 99 | | 70-130 | 5 | | 30 |
| Methyl tert butyl ether | 96 | | 95 | | 66-130 | 1 | | 30 |
| p/m-Xylene | 105 | | 98 | | 70-130 | 7 | | 30 |
| o-Xylene | 106 | | 100 | | 70-130 | 6 | | 30 |
| cis-1,2-Dichloroethene | 102 | | 96 | | 70-130 | 6 | | 30 |
| Dibromomethane | 99 | | 96 | | 70-130 | 3 | | 30 |
| Styrene | 108 | | 103 | | 70-130 | 5 | | 30 |
| Dichlorodifluoromethane | 86 | | 74 | | 30-146 | 15 | | 30 |
| Acetone | 104 | | 118 | | 54-140 | 13 | | 30 |
| Carbon disulfide | 106 | | 95 | | 59-130 | 11 | | 30 |
| 2-Butanone | 86 | | 83 | | 70-130 | 4 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03,05-11,13-14 Batch: WG773261-1 WG773261-2 | | | | | | | | |
| Vinyl acetate | 95 | | 96 | | 70-130 | 1 | | 30 |
| 4-Methyl-2-pentanone | 90 | | 96 | | 70-130 | 6 | | 30 |
| 1,2,3-Trichloropropane | 100 | | 102 | | 68-130 | 2 | | 30 |
| 2-Hexanone | 88 | | 93 | | 70-130 | 6 | | 30 |
| Bromochloromethane | 101 | | 97 | | 70-130 | 4 | | 30 |
| 2,2-Dichloropropane | 102 | | 91 | | 70-130 | 11 | | 30 |
| 1,2-Dibromoethane | 98 | | 96 | | 70-130 | 2 | | 30 |
| 1,3-Dichloropropane | 100 | | 98 | | 69-130 | 2 | | 30 |
| 1,1,1,2-Tetrachloroethane | 100 | | 95 | | 70-130 | 5 | | 30 |
| Bromobenzene | 102 | | 98 | | 70-130 | 4 | | 30 |
| n-Butylbenzene | 112 | | 103 | | 70-130 | 8 | | 30 |
| sec-Butylbenzene | 108 | | 98 | | 70-130 | 10 | | 30 |
| tert-Butylbenzene | 105 | | 96 | | 70-130 | 9 | | 30 |
| o-Chlorotoluene | 107 | | 100 | | 70-130 | 7 | | 30 |
| p-Chlorotoluene | 107 | | 100 | | 70-130 | 7 | | 30 |
| 1,2-Dibromo-3-chloropropane | 87 | | 90 | | 68-130 | 3 | | 30 |
| Hexachlorobutadiene | 103 | | 94 | | 67-130 | 9 | | 30 |
| Isopropylbenzene | 106 | | 97 | | 70-130 | 9 | | 30 |
| p-Isopropyltoluene | 108 | | 98 | | 70-130 | 10 | | 30 |
| Naphthalene | 95 | | 97 | | 70-130 | 2 | | 30 |
| Acrylonitrile | 96 | | 99 | | 70-130 | 3 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03,05-11,13-14 Batch: WG773261-1 WG773261-2 | | | | | | | | |
| Diisopropyl Ether | 98 | | 95 | | 66-130 | 3 | | 30 |
| Tert-Butyl Alcohol | 83 | | 93 | | 70-130 | 11 | | 30 |
| n-Propylbenzene | 108 | | 99 | | 70-130 | 9 | | 30 |
| 1,2,3-Trichlorobenzene | 101 | | 100 | | 70-130 | 1 | | 30 |
| 1,2,4-Trichlorobenzene | 104 | | 102 | | 70-130 | 2 | | 30 |
| 1,3,5-Trimethylbenzene | 108 | | 100 | | 70-130 | 8 | | 30 |
| 1,2,4-Trimethylbenzene | 107 | | 100 | | 70-130 | 7 | | 30 |
| Methyl Acetate | 94 | | 95 | | 51-146 | 1 | | 30 |
| Ethyl Acetate | 86 | | 89 | | 70-130 | 3 | | 30 |
| Acrolein | 105 | | 106 | | 70-130 | 1 | | 30 |
| Cyclohexane | 107 | | 91 | | 59-142 | 16 | | 30 |
| 1,4-Dioxane | 101 | | 108 | | 65-136 | 7 | | 30 |
| Freon-113 | 114 | | 99 | | 50-139 | 14 | | 30 |
| p-Diethylbenzene | 108 | | 99 | | 70-130 | 9 | | 30 |
| p-Ethyltoluene | 108 | | 99 | | 70-130 | 9 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 106 | | 100 | | 70-130 | 6 | | 30 |
| Tetrahydrofuran | 92 | | 98 | | 66-130 | 6 | | 30 |
| Ethyl ether | 107 | | 105 | | 67-130 | 2 | | 30 |
| trans-1,4-Dichloro-2-butene | 86 | | 88 | | 70-130 | 2 | | 30 |
| Methyl cyclohexane | 110 | | 94 | | 70-130 | 16 | | 30 |
| Ethyl-Tert-Butyl-Ether | 97 | | 95 | | 70-130 | 2 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03,05-11,13-14 Batch: WG773261-1 WG773261-2 | | | | | | | | |
| Tertiary-Amyl Methyl Ether | 97 | | 94 | | 70-130 | 3 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | | 97 | | 70-130 |
| Toluene-d8 | 100 | | 100 | | 70-130 |
| 4-Bromofluorobenzene | 99 | | 99 | | 70-130 |
| Dibromofluoromethane | 99 | | 99 | | 70-130 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04,12 Batch: WG773314-1 WG773314-2 | | | | | | | | |
| Methylene chloride | 96 | | 88 | | 70-130 | 9 | | 30 |
| 1,1-Dichloroethane | 97 | | 89 | | 70-130 | 9 | | 30 |
| Chloroform | 94 | | 86 | | 70-130 | 9 | | 30 |
| Carbon tetrachloride | 91 | | 80 | | 70-130 | 13 | | 30 |
| 1,2-Dichloropropane | 96 | | 91 | | 70-130 | 5 | | 30 |
| Dibromochloromethane | 96 | | 92 | | 70-130 | 4 | | 30 |
| 2-Chloroethylvinyl ether | **239** | Q | **231** | Q | 70-130 | 3 | | 30 |
| 1,1,2-Trichloroethane | 106 | | 102 | | 70-130 | 4 | | 30 |
| Tetrachloroethene | 92 | | 84 | | 70-130 | 9 | | 30 |
| Chlorobenzene | 97 | | 91 | | 70-130 | 6 | | 30 |
| Trichlorofluoromethane | 96 | | 87 | | 70-139 | 10 | | 30 |
| 1,2-Dichloroethane | 100 | | 95 | | 70-130 | 5 | | 30 |
| 1,1,1-Trichloroethane | 94 | | 83 | | 70-130 | 12 | | 30 |
| Bromodichloromethane | 93 | | 88 | | 70-130 | 6 | | 30 |
| trans-1,3-Dichloropropene | 103 | | 98 | | 70-130 | 5 | | 30 |
| cis-1,3-Dichloropropene | 94 | | 88 | | 70-130 | 7 | | 30 |
| 1,1-Dichloropropene | 96 | | 84 | | 70-130 | 13 | | 30 |
| Bromoform | 93 | | 91 | | 70-130 | 2 | | 30 |
| 1,1,2,2-Tetrachloroethane | 105 | | 101 | | 70-130 | 4 | | 30 |
| Benzene | 95 | | 87 | | 70-130 | 9 | | 30 |
| Toluene | 100 | | 92 | | 70-130 | 8 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04,12 Batch: WG773314-1 WG773314-2 | | | | | | | | |
| Ethylbenzene | 99 | | 91 | | 70-130 | 8 | | 30 |
| Chloromethane | 105 | | 95 | | 52-130 | 10 | | 30 |
| Bromomethane | 109 | | 98 | | 57-147 | 11 | | 30 |
| Vinyl chloride | 112 | | 98 | | 67-130 | 13 | | 30 |
| Chloroethane | 105 | | 99 | | 50-151 | 6 | | 30 |
| 1,1-Dichloroethene | 94 | | 81 | | 65-135 | 15 | | 30 |
| trans-1,2-Dichloroethene | 93 | | 83 | | 70-130 | 11 | | 30 |
| Trichloroethene | 94 | | 85 | | 70-130 | 10 | | 30 |
| 1,2-Dichlorobenzene | 97 | | 94 | | 70-130 | 3 | | 30 |
| 1,3-Dichlorobenzene | 100 | | 95 | | 70-130 | 5 | | 30 |
| 1,4-Dichlorobenzene | 98 | | 93 | | 70-130 | 5 | | 30 |
| Methyl tert butyl ether | 92 | | 88 | | 66-130 | 4 | | 30 |
| p/m-Xylene | 98 | | 90 | | 70-130 | 9 | | 30 |
| o-Xylene | 97 | | 89 | | 70-130 | 9 | | 30 |
| cis-1,2-Dichloroethene | 91 | | 84 | | 70-130 | 8 | | 30 |
| Dibromomethane | 96 | | 91 | | 70-130 | 5 | | 30 |
| Styrene | 97 | | 91 | | 70-130 | 6 | | 30 |
| Dichlorodifluoromethane | 119 | | 102 | | 30-146 | 15 | | 30 |
| Acetone | 102 | | 95 | | 54-140 | 7 | | 30 |
| Carbon disulfide | 100 | | 88 | | 59-130 | 13 | | 30 |
| 2-Butanone | 98 | | 93 | | 70-130 | 5 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04,12 Batch: WG773314-1 WG773314-2 | | | | | | | | |
| Vinyl acetate | 110 | | 106 | | 70-130 | 4 | | 30 |
| 4-Methyl-2-pentanone | 84 | | 81 | | 70-130 | 4 | | 30 |
| 1,2,3-Trichloropropane | 105 | | 101 | | 68-130 | 4 | | 30 |
| 2-Hexanone | 95 | | 94 | | 70-130 | 1 | | 30 |
| Bromochloromethane | 92 | | 88 | | 70-130 | 4 | | 30 |
| 2,2-Dichloropropane | 100 | | 89 | | 70-130 | 12 | | 30 |
| 1,2-Dibromoethane | 98 | | 96 | | 70-130 | 2 | | 30 |
| 1,3-Dichloropropane | 104 | | 100 | | 69-130 | 4 | | 30 |
| 1,1,1,2-Tetrachloroethane | 97 | | 92 | | 70-130 | 5 | | 30 |
| Bromobenzene | 95 | | 91 | | 70-130 | 4 | | 30 |
| n-Butylbenzene | 108 | | 99 | | 70-130 | 9 | | 30 |
| sec-Butylbenzene | 102 | | 92 | | 70-130 | 10 | | 30 |
| tert-Butylbenzene | 98 | | 89 | | 70-130 | 10 | | 30 |
| o-Chlorotoluene | 105 | | 97 | | 70-130 | 8 | | 30 |
| p-Chlorotoluene | 104 | | 98 | | 70-130 | 6 | | 30 |
| 1,2-Dibromo-3-chloropropane | 86 | | 84 | | 68-130 | 2 | | 30 |
| Hexachlorobutadiene | 85 | | 77 | | 67-130 | 10 | | 30 |
| Isopropylbenzene | 98 | | 89 | | 70-130 | 10 | | 30 |
| p-Isopropyltoluene | 99 | | 90 | | 70-130 | 10 | | 30 |
| Naphthalene | 90 | | 89 | | 70-130 | 1 | | 30 |
| Acrylonitrile | 106 | | 100 | | 70-130 | 6 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04,12 Batch: WG773314-1 WG773314-2 | | | | | | | | |
| Diisopropyl Ether | 95 | | 90 | | 66-130 | 5 | | 30 |
| Tert-Butyl Alcohol | 92 | | 90 | | 70-130 | 2 | | 30 |
| n-Propylbenzene | 104 | | 95 | | 70-130 | 9 | | 30 |
| 1,2,3-Trichlorobenzene | 88 | | 86 | | 70-130 | 2 | | 30 |
| 1,2,4-Trichlorobenzene | 90 | | 85 | | 70-130 | 6 | | 30 |
| 1,3,5-Trimethylbenzene | 104 | | 95 | | 70-130 | 9 | | 30 |
| 1,2,4-Trimethylbenzene | 102 | | 95 | | 70-130 | 7 | | 30 |
| Methyl Acetate | 95 | | 91 | | 51-146 | 4 | | 30 |
| Ethyl Acetate | 96 | | 92 | | 70-130 | 4 | | 30 |
| Acrolein | 82 | | 79 | | 70-130 | 4 | | 30 |
| Cyclohexane | 99 | | 85 | | 59-142 | 15 | | 30 |
| 1,4-Dioxane | 86 | | 87 | | 65-136 | 1 | | 30 |
| Freon-113 | 89 | | 78 | | 50-139 | 13 | | 30 |
| p-Diethylbenzene | 97 | | 90 | | 70-130 | 7 | | 30 |
| p-Ethyltoluene | 100 | | 91 | | 70-130 | 9 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 93 | | 88 | | 70-130 | 6 | | 30 |
| Tetrahydrofuran | 103 | | 93 | | 66-130 | 10 | | 30 |
| Ethyl ether | **140** | Q | 116 | | 67-130 | 19 | | 30 |
| trans-1,4-Dichloro-2-butene | 109 | | 106 | | 70-130 | 3 | | 30 |
| Methyl cyclohexane | 89 | | 78 | | 70-130 | 13 | | 30 |
| Ethyl-Tert-Butyl-Ether | 93 | | 89 | | 70-130 | 4 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,04,12 Batch: WG773314-1 WG773314-2 | | | | | | | | |
| Tertiary-Amyl Methyl Ether | 91 | | 87 | | 70-130 | 4 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 109 | | 109 | | 70-130 |
| Toluene-d8 | 106 | | 106 | | 70-130 |
| 4-Bromofluorobenzene | 102 | | 103 | | 70-130 |
| Dibromofluoromethane | 97 | | 97 | | 70-130 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17-18 Batch: WG773841-1 WG773841-2 | | | | | | | | |
| Methylene chloride | 90 | | 108 | | 70-130 | 18 | | 20 |
| 1,1-Dichloroethane | 88 | | 109 | | 70-130 | **21** | Q | 20 |
| Chloroform | 90 | | 110 | | 70-130 | 20 | | 20 |
| 2-Chloroethylvinyl ether | 85 | | 94 | | 70-130 | 10 | | 20 |
| Carbon tetrachloride | 87 | | 112 | | 63-132 | **25** | Q | 20 |
| 1,2-Dichloropropane | 88 | | 108 | | 70-130 | 20 | | 20 |
| Dibromochloromethane | 92 | | 107 | | 63-130 | 15 | | 20 |
| 1,1,2-Trichloroethane | 97 | | 112 | | 70-130 | 14 | | 20 |
| Tetrachloroethene | 91 | | 116 | | 70-130 | **24** | Q | 20 |
| Chlorobenzene | 92 | | 112 | | 75-130 | 20 | | 20 |
| Trichlorofluoromethane | 94 | | 115 | | 62-150 | 20 | | 20 |
| 1,2-Dichloroethane | 88 | | 99 | | 70-130 | 12 | | 20 |
| 1,1,1-Trichloroethane | 88 | | 111 | | 67-130 | **23** | Q | 20 |
| Bromodichloromethane | 86 | | 103 | | 67-130 | 18 | | 20 |
| trans-1,3-Dichloropropene | 95 | | 110 | | 70-130 | 15 | | 20 |
| cis-1,3-Dichloropropene | 87 | | 102 | | 70-130 | 16 | | 20 |
| 1,1-Dichloropropene | 90 | | 114 | | 70-130 | **24** | Q | 20 |
| Bromoform | 84 | | 92 | | 54-136 | 9 | | 20 |
| 1,1,2,2-Tetrachloroethane | 85 | | 91 | | 67-130 | 7 | | 20 |
| Benzene | 90 | | 111 | | 70-130 | **21** | Q | 20 |
| Toluene | 90 | | 111 | | 70-130 | **21** | Q | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17-18 Batch: WG773841-1 WG773841-2 | | | | | | | | |
| Ethylbenzene | 92 | | 115 | | 70-130 | **22** | Q | 20 |
| Chloromethane | 68 | | 91 | | 64-130 | **29** | Q | 20 |
| Bromomethane | 92 | | 112 | | 39-139 | 20 | | 20 |
| Vinyl chloride | 90 | | 113 | | 55-140 | **23** | Q | 20 |
| Chloroethane | 98 | | 120 | | 55-138 | 20 | | 20 |
| 1,1-Dichloroethene | 92 | | 117 | | 61-145 | **24** | Q | 20 |
| trans-1,2-Dichloroethene | 91 | | 112 | | 70-130 | **21** | Q | 20 |
| Trichloroethene | 89 | | 110 | | 70-130 | **21** | Q | 20 |
| 1,2-Dichlorobenzene | 89 | | 103 | | 70-130 | 15 | | 20 |
| 1,3-Dichlorobenzene | 91 | | 107 | | 70-130 | 16 | | 20 |
| 1,4-Dichlorobenzene | 92 | | 106 | | 70-130 | 14 | | 20 |
| Methyl tert butyl ether | 90 | | 102 | | 63-130 | 13 | | 20 |
| p/m-Xylene | 100 | | 126 | | 70-130 | **23** | Q | 20 |
| o-Xylene | 99 | | 123 | | 70-130 | **22** | Q | 20 |
| cis-1,2-Dichloroethene | 89 | | 110 | | 70-130 | **21** | Q | 20 |
| Dibromomethane | 89 | | 101 | | 70-130 | 13 | | 20 |
| 1,2,3-Trichloropropane | 91 | | 101 | | 64-130 | 10 | | 20 |
| Acrylonitrile | 97 | | 106 | | 70-130 | 9 | | 20 |
| Diisopropyl Ether | 90 | | 109 | | 70-130 | 19 | | 20 |
| Tert-Butyl Alcohol | 94 | | 111 | | 70-130 | 17 | | 20 |
| Styrene | 97 | | 118 | | 70-130 | 20 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17-18 Batch: WG773841-1 WG773841-2 | | | | | | | | |
| Dichlorodifluoromethane | 70 | | 88 | | 36-147 | **23** | Q | 20 |
| Acetone | 94 | | 100 | | 58-148 | 6 | | 20 |
| Carbon disulfide | 87 | | 111 | | 51-130 | **24** | Q | 20 |
| 2-Butanone | 87 | | 95 | | 63-138 | 9 | | 20 |
| Vinyl acetate | 97 | | 109 | | 70-130 | 12 | | 20 |
| 4-Methyl-2-pentanone | 92 | | 101 | | 59-130 | 9 | | 20 |
| 2-Hexanone | 87 | | 95 | | 57-130 | 9 | | 20 |
| Acrolein | 101 | | 110 | | 40-160 | 9 | | 20 |
| Bromochloromethane | 94 | | 110 | | 70-130 | 16 | | 20 |
| 2,2-Dichloropropane | 87 | | 108 | | 63-133 | **22** | Q | 20 |
| 1,2-Dibromoethane | 91 | | 103 | | 70-130 | 12 | | 20 |
| 1,3-Dichloropropane | 93 | | 106 | | 70-130 | 13 | | 20 |
| 1,1,1,2-Tetrachloroethane | 98 | | 118 | | 64-130 | 19 | | 20 |
| Bromobenzene | 81 | | 94 | | 70-130 | 15 | | 20 |
| n-Butylbenzene | 93 | | 114 | | 53-136 | 20 | | 20 |
| sec-Butylbenzene | 88 | | 110 | | 70-130 | **22** | Q | 20 |
| tert-Butylbenzene | 81 | | 100 | | 70-130 | **21** | Q | 20 |
| o-Chlorotoluene | 83 | | 101 | | 70-130 | 20 | | 20 |
| p-Chlorotoluene | 84 | | 101 | | 70-130 | 18 | | 20 |
| 1,2-Dibromo-3-chloropropane | 84 | | 95 | | 41-144 | 12 | | 20 |
| Hexachlorobutadiene | 97 | | 114 | | 63-130 | 16 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17-18 Batch: WG773841-1 WG773841-2 | | | | | | | | |
| Isopropylbenzene | 78 | | 96 | | 70-130 | **21** | Q | 20 |
| p-Isopropyltoluene | 88 | | 110 | | 70-130 | **22** | Q | 20 |
| Naphthalene | 87 | | 95 | | 70-130 | 9 | | 20 |
| n-Propylbenzene | 79 | | 97 | | 69-130 | 20 | | 20 |
| 1,2,3-Trichlorobenzene | 92 | | 106 | | 70-130 | 14 | | 20 |
| 1,2,4-Trichlorobenzene | 87 | | 101 | | 70-130 | 15 | | 20 |
| 1,3,5-Trimethylbenzene | 88 | | 108 | | 64-130 | 20 | | 20 |
| 1,2,4-Trimethylbenzene | 87 | | 106 | | 70-130 | 20 | | 20 |
| Methyl Acetate | 94 | | 99 | | 70-130 | 5 | | 20 |
| Ethyl Acetate | 96 | | 104 | | 70-130 | 8 | | 20 |
| Cyclohexane | 93 | | 125 | | 70-130 | **29** | Q | 20 |
| Ethyl-Tert-Butyl-Ether | 90 | | 105 | | 70-130 | 15 | | 20 |
| Tertiary-Amyl Methyl Ether | 89 | | 102 | | 66-130 | 14 | | 20 |
| 1,4-Dioxane | 87 | | 92 | | 56-162 | 6 | | 20 |
| Freon-113 | 96 | | 124 | | 70-130 | **25** | Q | 20 |
| p-Diethylbenzene | 90 | | 111 | | 70-130 | **21** | Q | 20 |
| p-Ethyltoluene | 82 | | 101 | | 70-130 | **21** | Q | 20 |
| 1,2,4,5-Tetramethylbenzene | 101 | | 118 | | 70-130 | 16 | | 20 |
| Ethyl ether | 99 | | 115 | | 59-134 | 15 | | 20 |
| trans-1,4-Dichloro-2-butene | 88 | | 91 | | 70-130 | 3 | | 20 |
| Iodomethane | **39** | Q | **64** | Q | 70-130 | **49** | Q | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17-18 Batch: WG773841-1 WG773841-2 | | | | | | | | |
| Methyl cyclohexane | 92 | | **135** | Q | 70-130 | **38** | Q | 20 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | | 91 | | 70-130 |
| Toluene-d8 | 98 | | 99 | | 70-130 |
| 4-Bromofluorobenzene | 90 | | 89 | | 70-130 |
| Dibromofluoromethane | 101 | | 99 | | 70-130 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16 Batch: WG773845-1 WG773845-2 | | | | | | | | |
| Methylene chloride | 92 | | 103 | | 70-130 | 11 | | 20 |
| 1,1-Dichloroethane | 96 | | 108 | | 70-130 | 12 | | 20 |
| Chloroform | 95 | | 106 | | 70-130 | 11 | | 20 |
| 2-Chloroethylvinyl ether | 76 | | 103 | | 70-130 | **30** | Q | 20 |
| Carbon tetrachloride | 112 | | 121 | | 63-132 | 8 | | 20 |
| 1,2-Dichloropropane | 93 | | 105 | | 70-130 | 12 | | 20 |
| Dibromochloromethane | 96 | | 108 | | 63-130 | 12 | | 20 |
| 1,1,2-Trichloroethane | 95 | | 110 | | 70-130 | 15 | | 20 |
| Tetrachloroethene | 89 | | 97 | | 70-130 | 9 | | 20 |
| Chlorobenzene | 90 | | 101 | | 75-130 | 12 | | 20 |
| Trichlorofluoromethane | 103 | | 110 | | 62-150 | 7 | | 20 |
| 1,2-Dichloroethane | 100 | | 114 | | 70-130 | 13 | | 20 |
| 1,1,1-Trichloroethane | 100 | | 112 | | 67-130 | 11 | | 20 |
| Bromodichloromethane | 95 | | 107 | | 67-130 | 12 | | 20 |
| trans-1,3-Dichloropropene | 108 | | 120 | | 70-130 | 11 | | 20 |
| cis-1,3-Dichloropropene | 96 | | 108 | | 70-130 | 12 | | 20 |
| 1,1-Dichloropropene | 93 | | 102 | | 70-130 | 9 | | 20 |
| Bromoform | 106 | | 116 | | 54-136 | 9 | | 20 |
| 1,1,2,2-Tetrachloroethane | 99 | | 112 | | 67-130 | 12 | | 20 |
| Benzene | 92 | | 102 | | 70-130 | 10 | | 20 |
| Toluene | 93 | | 104 | | 70-130 | 11 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16 Batch: WG773845-1 WG773845-2 | | | | | | | | |
| Ethylbenzene | 95 | | 106 | | 70-130 | 11 | | 20 |
| Chloromethane | 68 | | 93 | | 64-130 | **31** | Q | 20 |
| Bromomethane | 90 | | 104 | | 39-139 | 14 | | 20 |
| Vinyl chloride | 100 | | 110 | | 55-140 | 10 | | 20 |
| Chloroethane | 111 | | 127 | | 55-138 | 13 | | 20 |
| 1,1-Dichloroethene | 90 | | 98 | | 61-145 | 9 | | 20 |
| trans-1,2-Dichloroethene | 90 | | 97 | | 70-130 | 7 | | 20 |
| Trichloroethene | 91 | | 100 | | 70-130 | 9 | | 20 |
| 1,2-Dichlorobenzene | 92 | | 102 | | 70-130 | 10 | | 20 |
| 1,3-Dichlorobenzene | 90 | | 100 | | 70-130 | 11 | | 20 |
| 1,4-Dichlorobenzene | 90 | | 101 | | 70-130 | 12 | | 20 |
| Methyl tert butyl ether | 91 | | 104 | | 63-130 | 13 | | 20 |
| p/m-Xylene | 94 | | 106 | | 70-130 | 12 | | 20 |
| o-Xylene | 95 | | 107 | | 70-130 | 12 | | 20 |
| cis-1,2-Dichloroethene | 87 | | 98 | | 70-130 | 12 | | 20 |
| Dibromomethane | 91 | | 101 | | 70-130 | 10 | | 20 |
| 1,2,3-Trichloropropane | 100 | | 112 | | 64-130 | 11 | | 20 |
| Acrylonitrile | 96 | | 113 | | 70-130 | 16 | | 20 |
| Diisopropyl Ether | 100 | | 110 | | 70-130 | 10 | | 20 |
| Tert-Butyl Alcohol | 92 | | 96 | | 70-130 | 4 | | 20 |
| Styrene | 92 | | 103 | | 70-130 | 11 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16 Batch: WG773845-1 WG773845-2 | | | | | | | | |
| Dichlorodifluoromethane | 67 | | 69 | | 36-147 | 3 | | 20 |
| Acetone | 109 | | 102 | | 58-148 | 7 | | 20 |
| Carbon disulfide | 84 | | 88 | | 51-130 | 5 | | 20 |
| 2-Butanone | 95 | | 113 | | 63-138 | 17 | | 20 |
| Vinyl acetate | 102 | | 118 | | 70-130 | 15 | | 20 |
| 4-Methyl-2-pentanone | 92 | | 108 | | 59-130 | 16 | | 20 |
| 2-Hexanone | 106 | | 118 | | 57-130 | 11 | | 20 |
| Acrolein | 128 | | 108 | | 40-160 | 17 | | 20 |
| Bromochloromethane | 100 | | 110 | | 70-130 | 10 | | 20 |
| 2,2-Dichloropropane | 128 | | **135** | Q | 63-133 | 5 | | 20 |
| 1,2-Dibromoethane | 91 | | 106 | | 70-130 | 15 | | 20 |
| 1,3-Dichloropropane | 97 | | 108 | | 70-130 | 11 | | 20 |
| 1,1,1,2-Tetrachloroethane | 103 | | 114 | | 64-130 | 10 | | 20 |
| Bromobenzene | 93 | | 102 | | 70-130 | 9 | | 20 |
| n-Butylbenzene | 102 | | 109 | | 53-136 | 7 | | 20 |
| sec-Butylbenzene | 99 | | 105 | | 70-130 | 6 | | 20 |
| tert-Butylbenzene | 99 | | 106 | | 70-130 | 7 | | 20 |
| o-Chlorotoluene | 98 | | 108 | | 70-130 | 10 | | 20 |
| p-Chlorotoluene | 97 | | 106 | | 70-130 | 9 | | 20 |
| 1,2-Dibromo-3-chloropropane | 102 | | 116 | | 41-144 | 13 | | 20 |
| Hexachlorobutadiene | 89 | | 91 | | 63-130 | 2 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16 Batch: WG773845-1 WG773845-2 | | | | | | | | |
| Isopropylbenzene | 94 | | 103 | | 70-130 | 9 | | 20 |
| p-Isopropyltoluene | 99 | | 105 | | 70-130 | 6 | | 20 |
| Naphthalene | 91 | | 106 | | 70-130 | 15 | | 20 |
| n-Propylbenzene | 101 | | 109 | | 69-130 | 8 | | 20 |
| 1,2,3-Trichlorobenzene | 90 | | 101 | | 70-130 | 12 | | 20 |
| 1,2,4-Trichlorobenzene | 88 | | 98 | | 70-130 | 11 | | 20 |
| 1,3,5-Trimethylbenzene | 99 | | 106 | | 64-130 | 7 | | 20 |
| 1,2,4-Trimethylbenzene | 99 | | 107 | | 70-130 | 8 | | 20 |
| Methyl Acetate | 95 | | 111 | | 70-130 | 16 | | 20 |
| Ethyl Acetate | 104 | | 120 | | 70-130 | 14 | | 20 |
| Cyclohexane | 96 | | 105 | | 70-130 | 9 | | 20 |
| Ethyl-Tert-Butyl-Ether | 100 | | 114 | | 70-130 | 13 | | 20 |
| Tertiary-Amyl Methyl Ether | 88 | | 104 | | 66-130 | 17 | | 20 |
| 1,4-Dioxane | 95 | | 105 | | 56-162 | 10 | | 20 |
| Freon-113 | 89 | | 96 | | 70-130 | 8 | | 20 |
| p-Diethylbenzene | 96 | | 105 | | 70-130 | 9 | | 20 |
| p-Ethyltoluene | 99 | | 108 | | 70-130 | 9 | | 20 |
| 1,2,4,5-Tetramethylbenzene | 98 | | 106 | | 70-130 | 8 | | 20 |
| Ethyl ether | 94 | | 102 | | 59-134 | 8 | | 20 |
| trans-1,4-Dichloro-2-butene | 108 | | 124 | | 70-130 | 14 | | 20 |
| Iodomethane | **34** | Q | **50** | Q | 70-130 | **38** | Q | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16 Batch: WG773845-1 WG773845-2 | | | | | | | | |
| Methyl cyclohexane | 92 | | 98 | | 70-130 | 6 | | 20 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 117 | | 115 | | 70-130 |
| Toluene-d8 | 103 | | 103 | | 70-130 |
| 4-Bromofluorobenzene | 109 | | 107 | | 70-130 |
| Dibromofluoromethane | 105 | | 106 | | 70-130 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19 Batch: WG774052-1 WG774052-2 | | | | | | | | |
| Methylene chloride | 100 | | 99 | | 70-130 | 1 | | 20 |
| 1,1-Dichloroethane | 103 | | 99 | | 70-130 | 4 | | 20 |
| Chloroform | 97 | | 100 | | 70-130 | 3 | | 20 |
| 2-Chloroethylvinyl ether | 88 | | 93 | | 70-130 | 6 | | 20 |
| Carbon tetrachloride | 100 | | 101 | | 63-132 | 1 | | 20 |
| 1,2-Dichloropropane | 99 | | 98 | | 70-130 | 1 | | 20 |
| Dibromochloromethane | 94 | | 95 | | 63-130 | 1 | | 20 |
| 1,1,2-Trichloroethane | 100 | | 101 | | 70-130 | 1 | | 20 |
| Tetrachloroethene | 100 | | 99 | | 70-130 | 1 | | 20 |
| Chlorobenzene | 93 | | 95 | | 75-130 | 2 | | 20 |
| Trichlorofluoromethane | 98 | | 99 | | 62-150 | 1 | | 20 |
| 1,2-Dichloroethane | 100 | | 100 | | 70-130 | 0 | | 20 |
| 1,1,1-Trichloroethane | 99 | | 100 | | 67-130 | 1 | | 20 |
| Bromodichloromethane | 96 | | 97 | | 67-130 | 1 | | 20 |
| trans-1,3-Dichloropropene | 97 | | 98 | | 70-130 | 1 | | 20 |
| cis-1,3-Dichloropropene | 96 | | 98 | | 70-130 | 2 | | 20 |
| 1,1-Dichloropropene | 101 | | 101 | | 70-130 | 0 | | 20 |
| Bromoform | 97 | | 98 | | 54-136 | 1 | | 20 |
| 1,1,2,2-Tetrachloroethane | 97 | | 96 | | 67-130 | 1 | | 20 |
| Benzene | 99 | | 99 | | 70-130 | 0 | | 20 |
| Toluene | 97 | | 97 | | 70-130 | 0 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19 Batch: WG774052-1 WG774052-2 | | | | | | | | |
| Ethylbenzene | 98 | | 97 | | 70-130 | 1 | | 20 |
| Chloromethane | 100 | | 98 | | 64-130 | 2 | | 20 |
| Bromomethane | 84 | | 83 | | 39-139 | 1 | | 20 |
| Vinyl chloride | 100 | | 100 | | 55-140 | 0 | | 20 |
| Chloroethane | 94 | | 94 | | 55-138 | 0 | | 20 |
| 1,1-Dichloroethene | 101 | | 99 | | 61-145 | 2 | | 20 |
| trans-1,2-Dichloroethene | 99 | | 99 | | 70-130 | 0 | | 20 |
| Trichloroethene | 100 | | 100 | | 70-130 | 0 | | 20 |
| 1,2-Dichlorobenzene | 94 | | 93 | | 70-130 | 1 | | 20 |
| 1,3-Dichlorobenzene | 94 | | 93 | | 70-130 | 1 | | 20 |
| 1,4-Dichlorobenzene | 92 | | 92 | | 70-130 | 0 | | 20 |
| Methyl tert butyl ether | 96 | | 100 | | 63-130 | 4 | | 20 |
| p/m-Xylene | 97 | | 97 | | 70-130 | 0 | | 20 |
| o-Xylene | 96 | | 96 | | 70-130 | 0 | | 20 |
| cis-1,2-Dichloroethene | 98 | | 101 | | 70-130 | 3 | | 20 |
| Dibromomethane | 100 | | 99 | | 70-130 | 1 | | 20 |
| 1,2,3-Trichloropropane | 98 | | 98 | | 64-130 | 0 | | 20 |
| Acrylonitrile | 100 | | 101 | | 70-130 | 1 | | 20 |
| Diisopropyl Ether | 99 | | 99 | | 70-130 | 0 | | 20 |
| Tert-Butyl Alcohol | 103 | | 103 | | 70-130 | 0 | | 20 |
| Styrene | 93 | | 94 | | 70-130 | 1 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19 Batch: WG774052-1 WG774052-2 | | | | | | | | |
| Dichlorodifluoromethane | 90 | | 91 | | 36-147 | 1 | | 20 |
| Acetone | 108 | | 107 | | 58-148 | 1 | | 20 |
| Carbon disulfide | 95 | | 96 | | 51-130 | 1 | | 20 |
| 2-Butanone | 103 | | 103 | | 63-138 | 0 | | 20 |
| Vinyl acetate | 98 | | 99 | | 70-130 | 1 | | 20 |
| 4-Methyl-2-pentanone | 87 | | 93 | | 59-130 | 7 | | 20 |
| 2-Hexanone | 92 | | 94 | | 57-130 | 2 | | 20 |
| Acrolein | 109 | | 115 | | 40-160 | 5 | | 20 |
| Bromochloromethane | 103 | | 105 | | 70-130 | 2 | | 20 |
| 2,2-Dichloropropane | 99 | | 100 | | 63-133 | 1 | | 20 |
| 1,2-Dibromoethane | 100 | | 100 | | 70-130 | 0 | | 20 |
| 1,3-Dichloropropane | 98 | | 99 | | 70-130 | 1 | | 20 |
| 1,1,1,2-Tetrachloroethane | 96 | | 96 | | 64-130 | 0 | | 20 |
| Bromobenzene | 93 | | 93 | | 70-130 | 0 | | 20 |
| n-Butylbenzene | 97 | | 96 | | 53-136 | 1 | | 20 |
| sec-Butylbenzene | 98 | | 98 | | 70-130 | 0 | | 20 |
| tert-Butylbenzene | 98 | | 98 | | 70-130 | 0 | | 20 |
| o-Chlorotoluene | 97 | | 97 | | 70-130 | 0 | | 20 |
| p-Chlorotoluene | 96 | | 97 | | 70-130 | 1 | | 20 |
| 1,2-Dibromo-3-chloropropane | 106 | | 109 | | 41-144 | 3 | | 20 |
| Hexachlorobutadiene | 89 | | 89 | | 63-130 | 0 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19 Batch: WG774052-1 WG774052-2 | | | | | | | | |
| Isopropylbenzene | 99 | | 97 | | 70-130 | 2 | | 20 |
| p-Isopropyltoluene | 97 | | 97 | | 70-130 | 0 | | 20 |
| Naphthalene | 106 | | 112 | | 70-130 | 6 | | 20 |
| n-Propylbenzene | 98 | | 98 | | 69-130 | 0 | | 20 |
| 1,2,3-Trichlorobenzene | 105 | | 109 | | 70-130 | 4 | | 20 |
| 1,2,4-Trichlorobenzene | 98 | | 100 | | 70-130 | 2 | | 20 |
| 1,3,5-Trimethylbenzene | 97 | | 97 | | 64-130 | 0 | | 20 |
| 1,2,4-Trimethylbenzene | 98 | | 96 | | 70-130 | 2 | | 20 |
| Methyl Acetate | 108 | | 109 | | 70-130 | 1 | | 20 |
| Ethyl Acetate | 103 | | 104 | | 70-130 | 1 | | 20 |
| Cyclohexane | 105 | | 103 | | 70-130 | 2 | | 20 |
| Ethyl-Tert-Butyl-Ether | 98 | | 99 | | 70-130 | 1 | | 20 |
| Tertiary-Amyl Methyl Ether | 97 | | 99 | | 66-130 | 2 | | 20 |
| 1,4-Dioxane | 102 | | 100 | | 56-162 | 2 | | 20 |
| Freon-113 | 102 | | 102 | | 70-130 | 0 | | 20 |
| p-Diethylbenzene | 96 | | 96 | | 70-130 | 0 | | 20 |
| p-Ethyltoluene | 98 | | 96 | | 70-130 | 2 | | 20 |
| 1,2,4,5-Tetramethylbenzene | 95 | | 96 | | 70-130 | 1 | | 20 |
| Ethyl ether | 96 | | 99 | | 59-134 | 3 | | 20 |
| trans-1,4-Dichloro-2-butene | 99 | | 100 | | 70-130 | 1 | | 20 |
| Iodomethane | 85 | | 84 | | 70-130 | 1 | | 20 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 19 Batch: WG774052-1 WG774052-2 | | | | | | | | |
| Methyl cyclohexane | 101 | | 102 | | 70-130 | 1 | | 20 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 99 | | 101 | | 70-130 |
| Toluene-d8 | 102 | | 102 | | 70-130 |
| 4-Bromofluorobenzene | 102 | | 102 | | 70-130 |
| Dibromofluoromethane | 99 | | 101 | | 70-130 |

# SEMIVOLATILES

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-01 | Date Collected: | 03/30/15 11:46 |
| Client ID: | SB-1 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/03/15 11:15 |
| Analytical Date: | 04/06/15 19:25 | | |
| Analyst: | PS | | |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 180 | | ug/kg | 150 | 38. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 180 | 60. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 34. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 52. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 180 | 60. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 180 | 60. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 180 | 58. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 180 | 56. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 180 | 49. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 180 | 40. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 180 | 47. | 1 |
| Fluoranthene | 2800 | | ug/kg | 110 | 34. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 180 | 56. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 180 | 42. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 65. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 56. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 180 | 52. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 530 | 120 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 34. | 1 |
| Isophorone | ND | | ug/kg | 170 | 49. | 1 |
| Naphthalene | 100 | J | ug/kg | 180 | 61. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 44. | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 150 | 39. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 180 | 55. | 1 |
| Bis(2-Ethylhexyl)phthalate | 100 | J | ug/kg | 180 | 48. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 180 | 36. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 180 | 36. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 180 | 45. | 1 |
| Diethyl phthalate | ND | | ug/kg | 180 | 39. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 47. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-01 Date Collected: 03/30/15 11:46

Client ID: SB-1 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)anthracene | 1600 | | ug/kg | 110 | 36. | 1 |
| Benzo(a)pyrene | 1600 | | ug/kg | 150 | 45. | 1 |
| Benzo(b)fluoranthene | 2000 | | ug/kg | 110 | 37. | 1 |
| Benzo(k)fluoranthene | 790 | | ug/kg | 110 | 35. | 1 |
| Chrysene | 1500 | | ug/kg | 110 | 36. | 1 |
| Acenaphthylene | 140 | J | ug/kg | 150 | 34. | 1 |
| Anthracene | 350 | | ug/kg | 110 | 31. | 1 |
| Benzo(ghi)perylene | 1100 | | ug/kg | 150 | 38. | 1 |
| Fluorene | 200 | | ug/kg | 180 | 53. | 1 |
| Phenanthrene | 1100 | | ug/kg | 110 | 36. | 1 |
| Dibenzo(a,h)anthracene | 260 | | ug/kg | 110 | 36. | 1 |
| Indeno(1,2,3-cd)Pyrene | 1100 | | ug/kg | 150 | 41. | 1 |
| Pyrene | 2500 | | ug/kg | 110 | 36. | 1 |
| Biphenyl | ND | | ug/kg | 420 | 61. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 49. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 52. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 51. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 50. | 1 |
| Dibenzofuran | 140 | J | ug/kg | 180 | 62. | 1 |
| 2-Methylnaphthalene | 120 | J | ug/kg | 220 | 59. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 57. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 57. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 35. | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 180 | 54. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 56. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 60. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 55. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 400 | 58. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 260 | 60. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 890 | 250 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 480 | 68. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 40. | 1 |
| Phenol | ND | | ug/kg | 180 | 55. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 59. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 260 | 60. | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 60. | 1 |
| Benzoic Acid | ND | | ug/kg | 600 | 190 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 57. | 1 |
| Carbazole | 140 | J | ug/kg | 180 | 40. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-01 | Date Collected: | 03/30/15 11:46 |
| Client ID: | SB-1 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 63 | | 25-120 |
| Phenol-d6 | 71 | | 10-120 |
| Nitrobenzene-d5 | 66 | | 23-120 |
| 2-Fluorobiphenyl | 65 | | 30-120 |
| 2,4,6-Tribromophenol | 83 | | 10-136 |
| 4-Terphenyl-d14 | 68 | | 18-120 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1506286-02 | D | Date Collected: | 03/30/15 12:15 |
| Client ID: | SB-1 (14.5-15.0) | | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | | Extraction Date: | 04/03/15 11:15 |
| Analytical Date: | 04/06/15 19:51 | | | |
| Analyst: | PS | | | |
| Percent Solids: | 91% | | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 290 | 75. | 2 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 360 | 120 | 2 |
| Hexachlorobenzene | ND | | ug/kg | 220 | 68. | 2 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 330 | 100 | 2 |
| 2-Chloronaphthalene | ND | | ug/kg | 360 | 120 | 2 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 360 | 120 | 2 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 360 | 120 | 2 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 360 | 110 | 2 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 360 | 97. | 2 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 360 | 79. | 2 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 360 | 94. | 2 |
| Fluoranthene | ND | | ug/kg | 220 | 67. | 2 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 360 | 110 | 2 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 360 | 84. | 2 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 440 | 130 | 2 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 390 | 110 | 2 |
| Hexachlorobutadiene | ND | | ug/kg | 360 | 100 | 2 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 1000 | 230 | 2 |
| Hexachloroethane | ND | | ug/kg | 290 | 66. | 2 |
| Isophorone | ND | | ug/kg | 330 | 97. | 2 |
| Naphthalene | ND | | ug/kg | 360 | 120 | 2 |
| Nitrobenzene | ND | | ug/kg | 330 | 87. | 2 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 290 | 77. | 2 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 360 | 110 | 2 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 360 | 96. | 2 |
| Butyl benzyl phthalate | ND | | ug/kg | 360 | 71. | 2 |
| Di-n-butylphthalate | ND | | ug/kg | 360 | 70. | 2 |
| Di-n-octylphthalate | ND | | ug/kg | 360 | 90. | 2 |
| Diethyl phthalate | ND | | ug/kg | 360 | 77. | 2 |
| Dimethyl phthalate | ND | | ug/kg | 360 | 93. | 2 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-02 D Date Collected: 03/30/15 12:15

Client ID: SB-1 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)anthracene | ND | | ug/kg | 220 | 72. | 2 |
| Benzo(a)pyrene | ND | | ug/kg | 290 | 89. | 2 |
| Benzo(b)fluoranthene | ND | | ug/kg | 220 | 74. | 2 |
| Benzo(k)fluoranthene | ND | | ug/kg | 220 | 70. | 2 |
| Chrysene | ND | | ug/kg | 220 | 72. | 2 |
| Acenaphthylene | ND | | ug/kg | 290 | 68. | 2 |
| Anthracene | ND | | ug/kg | 220 | 61. | 2 |
| Benzo(ghi)perylene | ND | | ug/kg | 290 | 76. | 2 |
| Fluorene | ND | | ug/kg | 360 | 100 | 2 |
| Phenanthrene | ND | | ug/kg | 220 | 72. | 2 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 220 | 71. | 2 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/kg | 290 | 81. | 2 |
| Pyrene | ND | | ug/kg | 220 | 71. | 2 |
| Biphenyl | ND | | ug/kg | 830 | 120 | 2 |
| 4-Chloroaniline | ND | | ug/kg | 360 | 96. | 2 |
| 2-Nitroaniline | ND | | ug/kg | 360 | 100 | 2 |
| 3-Nitroaniline | ND | | ug/kg | 360 | 100 | 2 |
| 4-Nitroaniline | ND | | ug/kg | 360 | 99. | 2 |
| Dibenzofuran | ND | | ug/kg | 360 | 120 | 2 |
| 2-Methylnaphthalene | ND | | ug/kg | 440 | 120 | 2 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 360 | 110 | 2 |
| Acetophenone | ND | | ug/kg | 360 | 110 | 2 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 220 | 69. | 2 |
| P-Chloro-M-Cresol | ND | | ug/kg | 360 | 110 | 2 |
| 2-Chlorophenol | ND | | ug/kg | 360 | 110 | 2 |
| 2,4-Dichlorophenol | ND | | ug/kg | 330 | 120 | 2 |
| 2,4-Dimethylphenol | ND | | ug/kg | 360 | 110 | 2 |
| 2-Nitrophenol | ND | | ug/kg | 790 | 110 | 2 |
| 4-Nitrophenol | ND | | ug/kg | 510 | 120 | 2 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1800 | 500 | 2 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 950 | 130 | 2 |
| Pentachlorophenol | ND | | ug/kg | 290 | 78. | 2 |
| Phenol | ND | | ug/kg | 360 | 110 | 2 |
| 2-Methylphenol | ND | | ug/kg | 360 | 120 | 2 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 530 | 120 | 2 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 360 | 120 | 2 |
| Benzoic Acid | ND | | ug/kg | 1200 | 370 | 2 |
| Benzyl Alcohol | ND | | ug/kg | 360 | 110 | 2 |
| Carbazole | ND | | ug/kg | 360 | 79. | 2 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-02 D Date Collected: 03/30/15 12:15

Client ID: SB-1 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 41 | | 25-120 |
| Phenol-d6 | 41 | | 10-120 |
| Nitrobenzene-d5 | 45 | | 23-120 |
| 2-Fluorobiphenyl | 40 | | 30-120 |
| 2,4,6-Tribromophenol | 40 | | 10-136 |
| 4-Terphenyl-d14 | 34 | | 18-120 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-03 | Date Collected: | 03/30/15 10:42 |
| Client ID: | SB-2 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/03/15 11:15 |
| Analytical Date: | 04/06/15 20:16 | | |
| Analyst: | PS | | |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 39 | J | ug/kg | 140 | 37. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 180 | 60. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 34. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 160 | 51. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 180 | 59. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 180 | 60. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 180 | 57. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 180 | 55. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 180 | 48. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 180 | 39. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 180 | 46. | 1 |
| Fluoranthene | 900 | | ug/kg | 110 | 33. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 180 | 55. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 180 | 42. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 64. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 55. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 180 | 51. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 520 | 120 | 1 |
| Hexachloroethane | ND | | ug/kg | 140 | 33. | 1 |
| Isophorone | ND | | ug/kg | 160 | 48. | 1 |
| Naphthalene | ND | | ug/kg | 180 | 60. | 1 |
| Nitrobenzene | ND | | ug/kg | 160 | 43. | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 140 | 38. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 180 | 54. | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 180 | 48. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 180 | 36. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 180 | 35. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 180 | 45. | 1 |
| Diethyl phthalate | ND | | ug/kg | 180 | 38. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 46. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-03 Date Collected: 03/30/15 10:42

Client ID: SB-2 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)anthracene | 510 | | ug/kg | 110 | 36. | 1 |
| Benzo(a)pyrene | 480 | | ug/kg | 140 | 44. | 1 |
| Benzo(b)fluoranthene | 610 | | ug/kg | 110 | 37. | 1 |
| Benzo(k)fluoranthene | 220 | | ug/kg | 110 | 35. | 1 |
| Chrysene | 520 | | ug/kg | 110 | 36. | 1 |
| Acenaphthylene | 78 | J | ug/kg | 140 | 34. | 1 |
| Anthracene | 150 | | ug/kg | 110 | 30. | 1 |
| Benzo(ghi)perylene | 300 | | ug/kg | 140 | 38. | 1 |
| Fluorene | 77 | J | ug/kg | 180 | 52. | 1 |
| Phenanthrene | 570 | | ug/kg | 110 | 36. | 1 |
| Dibenzo(a,h)anthracene | 72 | J | ug/kg | 110 | 35. | 1 |
| Indeno(1,2,3-cd)Pyrene | 320 | | ug/kg | 140 | 40. | 1 |
| Pyrene | 880 | | ug/kg | 110 | 35. | 1 |
| Biphenyl | ND | | ug/kg | 410 | 60. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 48. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 51. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 50. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 49. | 1 |
| Dibenzofuran | ND | | ug/kg | 180 | 61. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 220 | 58. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 56. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 56. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 34. | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 180 | 53. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 55. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 59. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 54. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 390 | 57. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 250 | 59. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 870 | 250 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 470 | 66. | 1 |
| Pentachlorophenol | ND | | ug/kg | 140 | 39. | 1 |
| Phenol | ND | | ug/kg | 180 | 54. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 58. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 260 | 60. | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 59. | 1 |
| Benzoic Acid | ND | | ug/kg | 590 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 56. | 1 |
| Carbazole | 45 | J | ug/kg | 180 | 39. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-03 | Date Collected: | 03/30/15 10:42 |
| Client ID: | SB-2 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 58 | | 25-120 |
| Phenol-d6 | 75 | | 10-120 |
| Nitrobenzene-d5 | 73 | | 23-120 |
| 2-Fluorobiphenyl | 68 | | 30-120 |
| 2,4,6-Tribromophenol | 60 | | 10-136 |
| 4-Terphenyl-d14 | 56 | | 18-120 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-04 | Date Collected: | 03/30/15 10:58 |
| Client ID: | SB-2 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/03/15 11:15 |
| Analytical Date: | 04/06/15 20:42 | | |
| Analyst: | PS | | |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 110 | J | ug/kg | 150 | 38. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 180 | 61. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 35. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 52. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 180 | 61. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 180 | 61. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 180 | 59. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 180 | 56. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 180 | 49. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 180 | 40. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 180 | 48. | 1 |
| Fluoranthene | 1600 | | ug/kg | 110 | 34. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 180 | 56. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 180 | 43. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 65. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 56. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 180 | 52. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 530 | 120 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 34. | 1 |
| Isophorone | ND | | ug/kg | 170 | 49. | 1 |
| Naphthalene | ND | | ug/kg | 180 | 62. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 44. | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 150 | 39. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 180 | 55. | 1 |
| Bis(2-Ethylhexyl)phthalate | 410 | | ug/kg | 180 | 49. | 1 |
| Butyl benzyl phthalate | 48 | J | ug/kg | 180 | 36. | 1 |
| Di-n-butylphthalate | 24000 | E | ug/kg | 180 | 36. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 180 | 46. | 1 |
| Diethyl phthalate | ND | | ug/kg | 180 | 39. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 47. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-04 Date Collected: 03/30/15 10:58

Client ID: SB-2 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)anthracene | 730 | | ug/kg | 110 | 36. | 1 |
| Benzo(a)pyrene | 630 | | ug/kg | 150 | 45. | 1 |
| Benzo(b)fluoranthene | 910 | | ug/kg | 110 | 38. | 1 |
| Benzo(k)fluoranthene | 310 | | ug/kg | 110 | 35. | 1 |
| Chrysene | 770 | | ug/kg | 110 | 36. | 1 |
| Acenaphthylene | 56 | J | ug/kg | 150 | 35. | 1 |
| Anthracene | 280 | | ug/kg | 110 | 31. | 1 |
| Benzo(ghi)perylene | 390 | | ug/kg | 150 | 39. | 1 |
| Fluorene | 92 | J | ug/kg | 180 | 53. | 1 |
| Phenanthrene | 1000 | | ug/kg | 110 | 36. | 1 |
| Dibenzo(a,h)anthracene | 100 | J | ug/kg | 110 | 36. | 1 |
| Indeno(1,2,3-cd)Pyrene | 410 | | ug/kg | 150 | 41. | 1 |
| Pyrene | 1300 | | ug/kg | 110 | 36. | 1 |
| Biphenyl | ND | | ug/kg | 420 | 61. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 49. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 52. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 51. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 50. | 1 |
| Dibenzofuran | ND | | ug/kg | 180 | 62. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 220 | 59. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 58. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 58. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 35. | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 180 | 54. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 56. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 60. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 55. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 400 | 58. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 260 | 60. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 890 | 250 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 480 | 68. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 40. | 1 |
| Phenol | ND | | ug/kg | 180 | 55. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 60. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 270 | 61. | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 60. | 1 |
| Benzoic Acid | ND | | ug/kg | 600 | 190 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 57. | 1 |
| Carbazole | 150 | J | ug/kg | 180 | 40. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-04 | Date Collected: | 03/30/15 10:58 |
| Client ID: | SB-2 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 62 | | 25-120 |
| Phenol-d6 | 75 | | 10-120 |
| Nitrobenzene-d5 | 73 | | 23-120 |
| 2-Fluorobiphenyl | 68 | | 30-120 |
| 2,4,6-Tribromophenol | 40 | | 10-136 |
| 4-Terphenyl-d14 | 58 | | 18-120 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1506286-04 | D | Date Collected: | 03/30/15 10:58 |
| Client ID: | SB-2 (14.5-15.0) | | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | | Extraction Date: | 04/03/15 11:15 |
| Analytical Date: | 04/07/15 13:06 | | | |
| Analyst: | PS | | | |
| Percent Solids: | 89% | | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Di-n-butylphthalate | 28000 | | ug/kg | 1800 | 360 | 10 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-05 D
Client ID: SB-3 (1.5-2.0)
Sample Location: BRONX, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/06/15 21:08
Analyst: PS
Percent Solids: 89%

Date Collected: 03/30/15 11:07
Date Received: 03/31/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/03/15 11:15

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 290 | 76. | 2 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 370 | 120 | 2 |
| Hexachlorobenzene | ND | | ug/kg | 220 | 69. | 2 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 330 | 100 | 2 |
| 2-Chloronaphthalene | ND | | ug/kg | 370 | 120 | 2 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 370 | 120 | 2 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 370 | 120 | 2 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 370 | 110 | 2 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 370 | 98. | 2 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 370 | 79. | 2 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 370 | 94. | 2 |
| Fluoranthene | 270 | | ug/kg | 220 | 68. | 2 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 370 | 110 | 2 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 370 | 85. | 2 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 440 | 130 | 2 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 400 | 110 | 2 |
| Hexachlorobutadiene | ND | | ug/kg | 370 | 100 | 2 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 1000 | 240 | 2 |
| Hexachloroethane | ND | | ug/kg | 290 | 67. | 2 |
| Isophorone | ND | | ug/kg | 330 | 98. | 2 |
| Naphthalene | ND | | ug/kg | 370 | 120 | 2 |
| Nitrobenzene | ND | | ug/kg | 330 | 88. | 2 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 290 | 77. | 2 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 370 | 110 | 2 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 370 | 96. | 2 |
| Butyl benzyl phthalate | ND | | ug/kg | 370 | 72. | 2 |
| Di-n-butylphthalate | 93 | J | ug/kg | 370 | 71. | 2 |
| Di-n-octylphthalate | ND | | ug/kg | 370 | 91. | 2 |
| Diethyl phthalate | ND | | ug/kg | 370 | 78. | 2 |
| Dimethyl phthalate | ND | | ug/kg | 370 | 94. | 2 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-05 D Date Collected: 03/30/15 11:07

Client ID: SB-3 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)anthracene | 180 | J | ug/kg | 220 | 72. | 2 |
| Benzo(a)pyrene | 180 | J | ug/kg | 290 | 90. | 2 |
| Benzo(b)fluoranthene | 230 | | ug/kg | 220 | 74. | 2 |
| Benzo(k)fluoranthene | 81 | J | ug/kg | 220 | 70. | 2 |
| Chrysene | 200 | J | ug/kg | 220 | 72. | 2 |
| Acenaphthylene | ND | | ug/kg | 290 | 69. | 2 |
| Anthracene | ND | | ug/kg | 220 | 61. | 2 |
| Benzo(ghi)perylene | 140 | J | ug/kg | 290 | 77. | 2 |
| Fluorene | ND | | ug/kg | 370 | 100 | 2 |
| Phenanthrene | 150 | J | ug/kg | 220 | 72. | 2 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 220 | 71. | 2 |
| Indeno(1,2,3-cd)Pyrene | 120 | J | ug/kg | 290 | 82. | 2 |
| Pyrene | 250 | | ug/kg | 220 | 72. | 2 |
| Biphenyl | ND | | ug/kg | 840 | 120 | 2 |
| 4-Chloroaniline | ND | | ug/kg | 370 | 97. | 2 |
| 2-Nitroaniline | ND | | ug/kg | 370 | 100 | 2 |
| 3-Nitroaniline | ND | | ug/kg | 370 | 100 | 2 |
| 4-Nitroaniline | ND | | ug/kg | 370 | 99. | 2 |
| Dibenzofuran | ND | | ug/kg | 370 | 120 | 2 |
| 2-Methylnaphthalene | ND | | ug/kg | 440 | 120 | 2 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 370 | 110 | 2 |
| Acetophenone | ND | | ug/kg | 370 | 110 | 2 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 220 | 69. | 2 |
| P-Chloro-M-Cresol | ND | | ug/kg | 370 | 110 | 2 |
| 2-Chlorophenol | ND | | ug/kg | 370 | 110 | 2 |
| 2,4-Dichlorophenol | ND | | ug/kg | 330 | 120 | 2 |
| 2,4-Dimethylphenol | ND | | ug/kg | 370 | 110 | 2 |
| 2-Nitrophenol | ND | | ug/kg | 800 | 110 | 2 |
| 4-Nitrophenol | ND | | ug/kg | 520 | 120 | 2 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1800 | 500 | 2 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 960 | 130 | 2 |
| Pentachlorophenol | ND | | ug/kg | 290 | 79. | 2 |
| Phenol | ND | | ug/kg | 370 | 110 | 2 |
| 2-Methylphenol | ND | | ug/kg | 370 | 120 | 2 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 530 | 120 | 2 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 370 | 120 | 2 |
| Benzoic Acid | ND | | ug/kg | 1200 | 370 | 2 |
| Benzyl Alcohol | ND | | ug/kg | 370 | 110 | 2 |
| Carbazole | ND | | ug/kg | 370 | 79. | 2 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-05 D Date Collected: 03/30/15 11:07

Client ID: SB-3 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 70 | | 25-120 |
| Phenol-d6 | 73 | | 10-120 |
| Nitrobenzene-d5 | 65 | | 23-120 |
| 2-Fluorobiphenyl | 69 | | 30-120 |
| 2,4,6-Tribromophenol | 73 | | 10-136 |
| 4-Terphenyl-d14 | 63 | | 18-120 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-06 D
Client ID: SB-3 (14.5-15.0)
Sample Location: BRONX, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/06/15 21:34
Analyst: PS
Percent Solids: 92%

Date Collected: 03/30/15 11:53
Date Received: 03/31/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/03/15 11:15

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 290 | 74. | 2 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 360 | 120 | 2 |
| Hexachlorobenzene | ND | | ug/kg | 220 | 67. | 2 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 320 | 100 | 2 |
| 2-Chloronaphthalene | ND | | ug/kg | 360 | 120 | 2 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 360 | 120 | 2 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 360 | 110 | 2 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 360 | 110 | 2 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 360 | 96. | 2 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 360 | 78. | 2 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 360 | 92. | 2 |
| Fluoranthene | ND | | ug/kg | 220 | 66. | 2 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 360 | 110 | 2 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 360 | 83. | 2 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 430 | 130 | 2 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 390 | 110 | 2 |
| Hexachlorobutadiene | ND | | ug/kg | 360 | 100 | 2 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 1000 | 230 | 2 |
| Hexachloroethane | ND | | ug/kg | 290 | 65. | 2 |
| Isophorone | ND | | ug/kg | 320 | 96. | 2 |
| Naphthalene | ND | | ug/kg | 360 | 120 | 2 |
| Nitrobenzene | ND | | ug/kg | 320 | 86. | 2 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 290 | 75. | 2 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 360 | 110 | 2 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 360 | 94. | 2 |
| Butyl benzyl phthalate | ND | | ug/kg | 360 | 70. | 2 |
| Di-n-butylphthalate | ND | | ug/kg | 360 | 69. | 2 |
| Di-n-octylphthalate | ND | | ug/kg | 360 | 88. | 2 |
| Diethyl phthalate | ND | | ug/kg | 360 | 76. | 2 |
| Dimethyl phthalate | ND | | ug/kg | 360 | 91. | 2 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-06 D Date Collected: 03/30/15 11:53

Client ID: SB-3 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)anthracene | ND | | ug/kg | 220 | 70. | 2 |
| Benzo(a)pyrene | ND | | ug/kg | 290 | 88. | 2 |
| Benzo(b)fluoranthene | ND | | ug/kg | 220 | 72. | 2 |
| Benzo(k)fluoranthene | ND | | ug/kg | 220 | 68. | 2 |
| Chrysene | 88 | J | ug/kg | 220 | 70. | 2 |
| Acenaphthylene | ND | | ug/kg | 290 | 67. | 2 |
| Anthracene | ND | | ug/kg | 220 | 60. | 2 |
| Benzo(ghi)perylene | ND | | ug/kg | 290 | 75. | 2 |
| Fluorene | ND | | ug/kg | 360 | 100 | 2 |
| Phenanthrene | ND | | ug/kg | 220 | 70. | 2 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 220 | 70. | 2 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/kg | 290 | 80. | 2 |
| Pyrene | ND | | ug/kg | 220 | 70. | 2 |
| Biphenyl | ND | | ug/kg | 820 | 120 | 2 |
| 4-Chloroaniline | ND | | ug/kg | 360 | 95. | 2 |
| 2-Nitroaniline | ND | | ug/kg | 360 | 100 | 2 |
| 3-Nitroaniline | ND | | ug/kg | 360 | 99. | 2 |
| 4-Nitroaniline | ND | | ug/kg | 360 | 97. | 2 |
| Dibenzofuran | ND | | ug/kg | 360 | 120 | 2 |
| 2-Methylnaphthalene | ND | | ug/kg | 430 | 110 | 2 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 360 | 110 | 2 |
| Acetophenone | ND | | ug/kg | 360 | 110 | 2 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 220 | 68. | 2 |
| P-Chloro-M-Cresol | ND | | ug/kg | 360 | 100 | 2 |
| 2-Chlorophenol | ND | | ug/kg | 360 | 110 | 2 |
| 2,4-Dichlorophenol | ND | | ug/kg | 320 | 120 | 2 |
| 2,4-Dimethylphenol | ND | | ug/kg | 360 | 110 | 2 |
| 2-Nitrophenol | ND | | ug/kg | 780 | 110 | 2 |
| 4-Nitrophenol | ND | | ug/kg | 500 | 120 | 2 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1700 | 490 | 2 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 930 | 130 | 2 |
| Pentachlorophenol | ND | | ug/kg | 290 | 77. | 2 |
| Phenol | ND | | ug/kg | 360 | 110 | 2 |
| 2-Methylphenol | ND | | ug/kg | 360 | 120 | 2 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 520 | 120 | 2 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 360 | 120 | 2 |
| Benzoic Acid | ND | | ug/kg | 1200 | 360 | 2 |
| Benzyl Alcohol | ND | | ug/kg | 360 | 110 | 2 |
| Carbazole | ND | | ug/kg | 360 | 77. | 2 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-06 D Date Collected: 03/30/15 11:53

Client ID: SB-3 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 74 | | 25-120 |
| Phenol-d6 | 77 | | 10-120 |
| Nitrobenzene-d5 | 65 | | 23-120 |
| 2-Fluorobiphenyl | 77 | | 30-120 |
| 2,4,6-Tribromophenol | 78 | | 10-136 |
| 4-Terphenyl-d14 | 71 | | 18-120 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-07 | Date Collected: | 03/30/15 09:31 |
| Client ID: | SB-4 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/03/15 11:15 |
| Analytical Date: | 04/06/15 22:00 | | |
| Analyst: | PS | | |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 120 | J | ug/kg | 150 | 38. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 61. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 35. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 52. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 61. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 61. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 59. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 57. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 50. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 40. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 48. | 1 |
| Fluoranthene | 2600 | | ug/kg | 110 | 34. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 57. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 43. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 66. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 57. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 53. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 540 | 120 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 34. | 1 |
| Isophorone | ND | | ug/kg | 170 | 50. | 1 |
| Naphthalene | ND | | ug/kg | 190 | 62. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 44. | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 150 | 39. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 190 | 56. | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 190 | 49. | 1 |
| Butyl benzyl phthalate | 550 | | ug/kg | 190 | 36. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 190 | 36. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 190 | 46. | 1 |
| Diethyl phthalate | ND | | ug/kg | 190 | 40. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 190 | 48. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-07 Date Collected: 03/30/15 09:31

Client ID: SB-4 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)anthracene | 1200 | | ug/kg | 110 | 37. | 1 |
| Benzo(a)pyrene | 1000 | | ug/kg | 150 | 46. | 1 |
| Benzo(b)fluoranthene | 1400 | | ug/kg | 110 | 38. | 1 |
| Benzo(k)fluoranthene | 680 | | ug/kg | 110 | 36. | 1 |
| Chrysene | 1300 | | ug/kg | 110 | 37. | 1 |
| Acenaphthylene | 420 | | ug/kg | 150 | 35. | 1 |
| Anthracene | 510 | | ug/kg | 110 | 31. | 1 |
| Benzo(ghi)perylene | 580 | | ug/kg | 150 | 39. | 1 |
| Fluorene | 150 | J | ug/kg | 190 | 54. | 1 |
| Phenanthrene | 1600 | | ug/kg | 110 | 37. | 1 |
| Dibenzo(a,h)anthracene | 180 | | ug/kg | 110 | 36. | 1 |
| Indeno(1,2,3-cd)Pyrene | 680 | | ug/kg | 150 | 42. | 1 |
| Pyrene | 2000 | | ug/kg | 110 | 36. | 1 |
| Biphenyl | ND | | ug/kg | 430 | 62. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 49. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 53. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 52. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 50. | 1 |
| Dibenzofuran | 74 | J | ug/kg | 190 | 62. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 220 | 60. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 58. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 58. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 35. | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 190 | 54. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 56. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 61. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 56. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 400 | 58. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 260 | 61. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 900 | 260 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 490 | 68. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 40. | 1 |
| Phenol | ND | | ug/kg | 190 | 55. | 1 |
| 2-Methylphenol | ND | | ug/kg | 190 | 60. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 270 | 61. | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 190 | 61. | 1 |
| Benzoic Acid | ND | | ug/kg | 610 | 190 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 190 | 58. | 1 |
| Carbazole | 150 | J | ug/kg | 190 | 40. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-07 | Date Collected: | 03/30/15 09:31 |
| Client ID: | SB-4 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 80 | | 25-120 |
| Phenol-d6 | 92 | | 10-120 |
| Nitrobenzene-d5 | 82 | | 23-120 |
| 2-Fluorobiphenyl | 79 | | 30-120 |
| 2,4,6-Tribromophenol | 78 | | 10-136 |
| 4-Terphenyl-d14 | 66 | | 18-120 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-08 | Date Collected: | 03/30/15 09:55 |
| Client ID: | SB-4 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/03/15 11:15 |
| Analytical Date: | 04/06/15 22:25 | | |
| Analyst: | PS | | |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 330 | | ug/kg | 150 | 39. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 61. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 35. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 53. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 61. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 62. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 59. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 57. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 50. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 40. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 48. | 1 |
| Fluoranthene | 2500 | | ug/kg | 110 | 34. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 57. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 43. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 66. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 57. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 53. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 540 | 120 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 34. | 1 |
| Isophorone | ND | | ug/kg | 170 | 50. | 1 |
| Naphthalene | 190 | | ug/kg | 190 | 62. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 45. | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 150 | 39. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 190 | 56. | 1 |
| Bis(2-Ethylhexyl)phthalate | 5600 | | ug/kg | 190 | 49. | 1 |
| Butyl benzyl phthalate | 240 | | ug/kg | 190 | 37. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 190 | 36. | 1 |
| Di-n-octylphthalate | 370 | | ug/kg | 190 | 46. | 1 |
| Diethyl phthalate | ND | | ug/kg | 190 | 40. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 190 | 48. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-08 Date Collected: 03/30/15 09:55

Client ID: SB-4 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)anthracene | 1200 | | ug/kg | 110 | 37. | 1 |
| Benzo(a)pyrene | 960 | | ug/kg | 150 | 46. | 1 |
| Benzo(b)fluoranthene | 1200 | | ug/kg | 110 | 38. | 1 |
| Benzo(k)fluoranthene | 550 | | ug/kg | 110 | 36. | 1 |
| Chrysene | 1100 | | ug/kg | 110 | 37. | 1 |
| Acenaphthylene | 61 | J | ug/kg | 150 | 35. | 1 |
| Anthracene | 580 | | ug/kg | 110 | 31. | 1 |
| Benzo(ghi)perylene | 480 | | ug/kg | 150 | 39. | 1 |
| Fluorene | 260 | | ug/kg | 190 | 54. | 1 |
| Phenanthrene | 2200 | | ug/kg | 110 | 37. | 1 |
| Dibenzo(a,h)anthracene | 130 | | ug/kg | 110 | 36. | 1 |
| Indeno(1,2,3-cd)Pyrene | 540 | | ug/kg | 150 | 42. | 1 |
| Pyrene | 2000 | | ug/kg | 110 | 36. | 1 |
| Biphenyl | ND | | ug/kg | 430 | 62. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 50. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 53. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 52. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 51. | 1 |
| Dibenzofuran | 160 | J | ug/kg | 190 | 63. | 1 |
| 2-Methylnaphthalene | 95 | J | ug/kg | 220 | 60. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 58. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 58. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 35. | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 190 | 54. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 57. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 61. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 56. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 400 | 58. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 260 | 61. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 900 | 260 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 490 | 69. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 40. | 1 |
| Phenol | ND | | ug/kg | 190 | 56. | 1 |
| 2-Methylphenol | ND | | ug/kg | 190 | 60. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 270 | 62. | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 190 | 61. | 1 |
| Benzoic Acid | ND | | ug/kg | 610 | 190 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 190 | 58. | 1 |
| Carbazole | 280 | | ug/kg | 190 | 40. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-08 Date Collected: 03/30/15 09:55

Client ID: SB-4 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | **20** | Q | 25-120 |
| Phenol-d6 | 56 | | 10-120 |
| Nitrobenzene-d5 | 56 | | 23-120 |
| 2-Fluorobiphenyl | 59 | | 30-120 |
| 2,4,6-Tribromophenol | 13 | | 10-136 |
| 4-Terphenyl-d14 | 44 | | 18-120 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1506286-09 | D | Date Collected: | 03/30/15 10:10 |
| Client ID: | SB-5 (1.5-2.0) | | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | | Extraction Date: | 04/03/15 11:15 |
| Analytical Date: | 04/06/15 22:51 | | | |
| Analyst: | PS | | | |
| Percent Solids: | 87% | | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 300 | 78. | 2 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 380 | 120 | 2 |
| Hexachlorobenzene | ND | | ug/kg | 230 | 71. | 2 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 340 | 110 | 2 |
| 2-Chloronaphthalene | ND | | ug/kg | 380 | 120 | 2 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 380 | 120 | 2 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 380 | 120 | 2 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 380 | 120 | 2 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 380 | 100 | 2 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 380 | 82. | 2 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 380 | 97. | 2 |
| Fluoranthene | 400 | | ug/kg | 230 | 70. | 2 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 380 | 120 | 2 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 380 | 87. | 2 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 450 | 130 | 2 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 410 | 110 | 2 |
| Hexachlorobutadiene | ND | | ug/kg | 380 | 110 | 2 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 1100 | 240 | 2 |
| Hexachloroethane | ND | | ug/kg | 300 | 69. | 2 |
| Isophorone | ND | | ug/kg | 340 | 100 | 2 |
| Naphthalene | ND | | ug/kg | 380 | 120 | 2 |
| Nitrobenzene | ND | | ug/kg | 340 | 90. | 2 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 300 | 80. | 2 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 380 | 110 | 2 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 380 | 99. | 2 |
| Butyl benzyl phthalate | ND | | ug/kg | 380 | 74. | 2 |
| Di-n-butylphthalate | ND | | ug/kg | 380 | 73. | 2 |
| Di-n-octylphthalate | ND | | ug/kg | 380 | 93. | 2 |
| Diethyl phthalate | ND | | ug/kg | 380 | 80. | 2 |
| Dimethyl phthalate | ND | | ug/kg | 380 | 96. | 2 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-09 D Date Collected: 03/30/15 10:10

Client ID: SB-5 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)anthracene | 300 | | ug/kg | 230 | 74. | 2 |
| Benzo(a)pyrene | 260 | J | ug/kg | 300 | 93. | 2 |
| Benzo(b)fluoranthene | 340 | | ug/kg | 230 | 76. | 2 |
| Benzo(k)fluoranthene | 120 | J | ug/kg | 230 | 72. | 2 |
| Chrysene | 390 | | ug/kg | 230 | 74. | 2 |
| Acenaphthylene | 110 | J | ug/kg | 300 | 71. | 2 |
| Anthracene | 100 | J | ug/kg | 230 | 63. | 2 |
| Benzo(ghi)perylene | 190 | J | ug/kg | 300 | 79. | 2 |
| Fluorene | ND | | ug/kg | 380 | 110 | 2 |
| Phenanthrene | 390 | | ug/kg | 230 | 74. | 2 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 230 | 73. | 2 |
| Indeno(1,2,3-cd)Pyrene | 160 | J | ug/kg | 300 | 84. | 2 |
| Pyrene | 390 | | ug/kg | 230 | 74. | 2 |
| Biphenyl | ND | | ug/kg | 860 | 120 | 2 |
| 4-Chloroaniline | ND | | ug/kg | 380 | 100 | 2 |
| 2-Nitroaniline | ND | | ug/kg | 380 | 110 | 2 |
| 3-Nitroaniline | ND | | ug/kg | 380 | 100 | 2 |
| 4-Nitroaniline | ND | | ug/kg | 380 | 100 | 2 |
| Dibenzofuran | ND | | ug/kg | 380 | 130 | 2 |
| 2-Methylnaphthalene | 130 | J | ug/kg | 450 | 120 | 2 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 380 | 120 | 2 |
| Acetophenone | ND | | ug/kg | 380 | 120 | 2 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 230 | 71. | 2 |
| P-Chloro-M-Cresol | ND | | ug/kg | 380 | 110 | 2 |
| 2-Chlorophenol | ND | | ug/kg | 380 | 110 | 2 |
| 2,4-Dichlorophenol | ND | | ug/kg | 340 | 120 | 2 |
| 2,4-Dimethylphenol | ND | | ug/kg | 380 | 110 | 2 |
| 2-Nitrophenol | ND | | ug/kg | 820 | 120 | 2 |
| 4-Nitrophenol | ND | | ug/kg | 530 | 120 | 2 |
| 2,4-Dinitrophenol | ND | | ug/kg | 1800 | 520 | 2 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 980 | 140 | 2 |
| Pentachlorophenol | ND | | ug/kg | 300 | 81. | 2 |
| Phenol | ND | | ug/kg | 380 | 110 | 2 |
| 2-Methylphenol | ND | | ug/kg | 380 | 120 | 2 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 540 | 120 | 2 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 380 | 120 | 2 |
| Benzoic Acid | ND | | ug/kg | 1200 | 380 | 2 |
| Benzyl Alcohol | ND | | ug/kg | 380 | 120 | 2 |
| Carbazole | ND | | ug/kg | 380 | 81. | 2 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-09 D Date Collected: 03/30/15 10:10

Client ID: SB-5 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 43 | | 25-120 |
| Phenol-d6 | 46 | | 10-120 |
| Nitrobenzene-d5 | 39 | | 23-120 |
| 2-Fluorobiphenyl | 46 | | 30-120 |
| 2,4,6-Tribromophenol | 44 | | 10-136 |
| 4-Terphenyl-d14 | 39 | | 18-120 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-10 | Date Collected: | 03/30/15 10:14 |
| Client ID: | SB-5 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/03/15 11:15 |
| Analytical Date: | 04/06/15 23:17 | | |
| Analyst: | PS | | |
| Percent Solids: | 92% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 140 | 37. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 180 | 58. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 33. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 160 | 50. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 180 | 58. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 180 | 58. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 180 | 56. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 180 | 54. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 180 | 47. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 180 | 38. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 180 | 46. | 1 |
| Fluoranthene | 450 | | ug/kg | 110 | 33. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 180 | 54. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 180 | 41. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 210 | 62. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 190 | 54. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 180 | 50. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 510 | 110 | 1 |
| Hexachloroethane | ND | | ug/kg | 140 | 32. | 1 |
| Isophorone | ND | | ug/kg | 160 | 47. | 1 |
| Naphthalene | ND | | ug/kg | 180 | 59. | 1 |
| Nitrobenzene | ND | | ug/kg | 160 | 42. | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 140 | 37. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 180 | 53. | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 180 | 46. | 1 |
| Butyl benzyl phthalate | 380 | | ug/kg | 180 | 35. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 180 | 34. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 180 | 44. | 1 |
| Diethyl phthalate | ND | | ug/kg | 180 | 38. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 180 | 45. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-10 Date Collected: 03/30/15 10:14

Client ID: SB-5 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)anthracene | 230 | | ug/kg | 110 | 35. | 1 |
| Benzo(a)pyrene | 220 | | ug/kg | 140 | 43. | 1 |
| Benzo(b)fluoranthene | 310 | | ug/kg | 110 | 36. | 1 |
| Benzo(k)fluoranthene | 99 | J | ug/kg | 110 | 34. | 1 |
| Chrysene | 250 | | ug/kg | 110 | 35. | 1 |
| Acenaphthylene | 40 | J | ug/kg | 140 | 33. | 1 |
| Anthracene | 82 | J | ug/kg | 110 | 30. | 1 |
| Benzo(ghi)perylene | 130 | J | ug/kg | 140 | 37. | 1 |
| Fluorene | ND | | ug/kg | 180 | 51. | 1 |
| Phenanthrene | 230 | | ug/kg | 110 | 35. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 110 | 34. | 1 |
| Indeno(1,2,3-cd)Pyrene | 130 | J | ug/kg | 140 | 39. | 1 |
| Pyrene | 380 | | ug/kg | 110 | 34. | 1 |
| Biphenyl | ND | | ug/kg | 400 | 59. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 180 | 47. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 180 | 50. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 180 | 49. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 180 | 48. | 1 |
| Dibenzofuran | ND | | ug/kg | 180 | 59. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 210 | 57. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 180 | 55. | 1 |
| Acetophenone | ND | | ug/kg | 180 | 55. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 34. | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 180 | 52. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 180 | 54. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 160 | 58. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 180 | 53. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 380 | 55. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 250 | 58. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 850 | 240 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 460 | 65. | 1 |
| Pentachlorophenol | ND | | ug/kg | 140 | 38. | 1 |
| Phenol | ND | | ug/kg | 180 | 53. | 1 |
| 2-Methylphenol | ND | | ug/kg | 180 | 57. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 260 | 58. | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 180 | 58. | 1 |
| Benzoic Acid | ND | | ug/kg | 580 | 180 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 180 | 55. | 1 |
| Carbazole | ND | | ug/kg | 180 | 38. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-10 Date Collected: 03/30/15 10:14

Client ID: SB-5 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | **23** | Q | 25-120 |
| Phenol-d6 | 57 | | 10-120 |
| Nitrobenzene-d5 | 64 | | 23-120 |
| 2-Fluorobiphenyl | 64 | | 30-120 |
| 2,4,6-Tribromophenol | 14 | | 10-136 |
| 4-Terphenyl-d14 | 53 | | 18-120 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-11 | Date Collected: | 03/30/15 08:34 |
| Client ID: | SB-6 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/03/15 11:15 |
| Analytical Date: | 04/06/15 23:43 | | |
| Analyst: | PS | | |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 150 | 39. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 62. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 35. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 53. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 62. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 62. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 60. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 58. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 50. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 41. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 49. | 1 |
| Fluoranthene | 660 | | ug/kg | 110 | 35. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 58. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 44. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 230 | 67. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 58. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 54. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 540 | 120 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 34. | 1 |
| Isophorone | ND | | ug/kg | 170 | 50. | 1 |
| Naphthalene | ND | | ug/kg | 190 | 63. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 45. | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 150 | 40. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 190 | 57. | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 190 | 50. | 1 |
| Butyl benzyl phthalate | 46 | J | ug/kg | 190 | 37. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 190 | 37. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 190 | 47. | 1 |
| Diethyl phthalate | ND | | ug/kg | 190 | 40. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 190 | 48. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-11 Date Collected: 03/30/15 08:34

Client ID: SB-6 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)anthracene | 250 | | ug/kg | 110 | 37. | 1 |
| Benzo(a)pyrene | 250 | | ug/kg | 150 | 46. | 1 |
| Benzo(b)fluoranthene | 410 | | ug/kg | 110 | 38. | 1 |
| Benzo(k)fluoranthene | 180 | | ug/kg | 110 | 36. | 1 |
| Chrysene | 360 | | ug/kg | 110 | 37. | 1 |
| Acenaphthylene | 170 | | ug/kg | 150 | 36. | 1 |
| Anthracene | 94 | J | ug/kg | 110 | 32. | 1 |
| Benzo(ghi)perylene | 140 | J | ug/kg | 150 | 40. | 1 |
| Fluorene | ND | | ug/kg | 190 | 54. | 1 |
| Phenanthrene | 440 | | ug/kg | 110 | 37. | 1 |
| Dibenzo(a,h)anthracene | 43 | J | ug/kg | 110 | 37. | 1 |
| Indeno(1,2,3-cd)Pyrene | 170 | | ug/kg | 150 | 42. | 1 |
| Pyrene | 500 | | ug/kg | 110 | 37. | 1 |
| Biphenyl | ND | | ug/kg | 430 | 63. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 50. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 54. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 52. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 51. | 1 |
| Dibenzofuran | ND | | ug/kg | 190 | 63. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 230 | 61. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 59. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 59. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 36. | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 190 | 55. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 57. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 62. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 57. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 410 | 59. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 270 | 62. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 910 | 260 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 490 | 70. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 41. | 1 |
| Phenol | ND | | ug/kg | 190 | 56. | 1 |
| 2-Methylphenol | ND | | ug/kg | 190 | 61. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 270 | 62. | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 190 | 62. | 1 |
| Benzoic Acid | ND | | ug/kg | 620 | 190 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 190 | 58. | 1 |
| Carbazole | ND | | ug/kg | 190 | 41. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-11 | Date Collected: | 03/30/15 08:34 |
| Client ID: | SB-6 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 63 | | 25-120 |
| Phenol-d6 | 75 | | 10-120 |
| Nitrobenzene-d5 | 53 | | 23-120 |
| 2-Fluorobiphenyl | 68 | | 30-120 |
| 2,4,6-Tribromophenol | 66 | | 10-136 |
| 4-Terphenyl-d14 | 51 | | 18-120 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-12 | Date Collected: | 03/30/15 08:42 |
| Client ID: | SB-6 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/03/15 11:15 |
| Analytical Date: | 04/07/15 00:09 | | |
| Analyst: | PS | | |
| Percent Solids: | 85% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 110 | J | ug/kg | 160 | 40. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 200 | 64. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 120 | 36. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 180 | 55. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 200 | 64. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 200 | 64. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 200 | 62. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 200 | 59. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 200 | 52. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 200 | 42. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 200 | 50. | 1 |
| Fluoranthene | 1500 | | ug/kg | 120 | 36. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 200 | 59. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 200 | 45. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 230 | 69. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 210 | 59. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 200 | 55. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 560 | 120 | 1 |
| Hexachloroethane | ND | | ug/kg | 160 | 35. | 1 |
| Isophorone | ND | | ug/kg | 180 | 52. | 1 |
| Naphthalene | 190 | J | ug/kg | 200 | 65. | 1 |
| Nitrobenzene | ND | | ug/kg | 180 | 46. | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 160 | 41. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 200 | 58. | 1 |
| Bis(2-Ethylhexyl)phthalate | 150 | J | ug/kg | 200 | 51. | 1 |
| Butyl benzyl phthalate | 45 | J | ug/kg | 200 | 38. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 200 | 38. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 200 | 48. | 1 |
| Diethyl phthalate | ND | | ug/kg | 200 | 41. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 200 | 50. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-12 Date Collected: 03/30/15 08:42

Client ID: SB-6 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)anthracene | 760 | | ug/kg | 120 | 38. | 1 |
| Benzo(a)pyrene | 660 | | ug/kg | 160 | 48. | 1 |
| Benzo(b)fluoranthene | 940 | | ug/kg | 120 | 39. | 1 |
| Benzo(k)fluoranthene | 340 | | ug/kg | 120 | 37. | 1 |
| Chrysene | 720 | | ug/kg | 120 | 38. | 1 |
| Acenaphthylene | 150 | J | ug/kg | 160 | 36. | 1 |
| Anthracene | 270 | | ug/kg | 120 | 32. | 1 |
| Benzo(ghi)perylene | 360 | | ug/kg | 160 | 41. | 1 |
| Fluorene | 99 | J | ug/kg | 200 | 56. | 1 |
| Phenanthrene | 1000 | | ug/kg | 120 | 38. | 1 |
| Dibenzo(a,h)anthracene | 100 | J | ug/kg | 120 | 38. | 1 |
| Indeno(1,2,3-cd)Pyrene | 380 | | ug/kg | 160 | 43. | 1 |
| Pyrene | 1200 | | ug/kg | 120 | 38. | 1 |
| Biphenyl | ND | | ug/kg | 440 | 64. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 200 | 52. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 200 | 55. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 200 | 54. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 200 | 53. | 1 |
| Dibenzofuran | ND | | ug/kg | 200 | 65. | 1 |
| 2-Methylnaphthalene | ND | | ug/kg | 230 | 62. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 200 | 60. | 1 |
| Acetophenone | ND | | ug/kg | 200 | 60. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 120 | 37. | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 200 | 57. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 200 | 59. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 180 | 63. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 200 | 58. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 420 | 61. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 270 | 63. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 940 | 270 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 510 | 71. | 1 |
| Pentachlorophenol | ND | | ug/kg | 160 | 42. | 1 |
| Phenol | 690 | | ug/kg | 200 | 58. | 1 |
| 2-Methylphenol | ND | | ug/kg | 200 | 63. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 280 | 64. | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 200 | 63. | 1 |
| Benzoic Acid | ND | | ug/kg | 630 | 200 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 200 | 60. | 1 |
| Carbazole | 140 | J | ug/kg | 200 | 42. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-12 Date Collected: 03/30/15 08:42

Client ID: SB-6 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 30 | | 25-120 |
| Phenol-d6 | 63 | | 10-120 |
| Nitrobenzene-d5 | 51 | | 23-120 |
| 2-Fluorobiphenyl | 60 | | 30-120 |
| 2,4,6-Tribromophenol | 23 | | 10-136 |
| 4-Terphenyl-d14 | 54 | | 18-120 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-13
Client ID: SB-7 (1.5-2.0)
Sample Location: BRONX, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/07/15 00:35
Analyst: PS
Percent Solids: 88%

Date Collected: 03/30/15 08:58
Date Received: 03/31/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/03/15 11:15

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/kg | 150 | 38. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 61. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 35. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 52. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 61. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 61. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 59. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 57. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 50. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 40. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 48. | 1 |
| Fluoranthene | 110 | | ug/kg | 110 | 34. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 57. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 43. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 220 | 66. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 200 | 57. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 53. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 540 | 120 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 34. | 1 |
| Isophorone | ND | | ug/kg | 170 | 50. | 1 |
| Naphthalene | 150 | J | ug/kg | 190 | 62. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 44. | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 150 | 39. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 190 | 56. | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 190 | 49. | 1 |
| Butyl benzyl phthalate | 38 | J | ug/kg | 190 | 36. | 1 |
| Di-n-butylphthalate | ND | | ug/kg | 190 | 36. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 190 | 46. | 1 |
| Diethyl phthalate | ND | | ug/kg | 190 | 40. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 190 | 47. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-13 Date Collected: 03/30/15 08:58

Client ID: SB-7 (1.5-2.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)anthracene | 86 | J | ug/kg | 110 | 37. | 1 |
| Benzo(a)pyrene | 90 | J | ug/kg | 150 | 46. | 1 |
| Benzo(b)fluoranthene | 130 | | ug/kg | 110 | 38. | 1 |
| Benzo(k)fluoranthene | ND | | ug/kg | 110 | 36. | 1 |
| Chrysene | 96 | J | ug/kg | 110 | 37. | 1 |
| Acenaphthylene | 46 | J | ug/kg | 150 | 35. | 1 |
| Anthracene | ND | | ug/kg | 110 | 31. | 1 |
| Benzo(ghi)perylene | 58 | J | ug/kg | 150 | 39. | 1 |
| Fluorene | ND | | ug/kg | 190 | 54. | 1 |
| Phenanthrene | 46 | J | ug/kg | 110 | 36. | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 110 | 36. | 1 |
| Indeno(1,2,3-cd)Pyrene | 58 | J | ug/kg | 150 | 42. | 1 |
| Pyrene | 110 | | ug/kg | 110 | 36. | 1 |
| Biphenyl | ND | | ug/kg | 430 | 62. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 49. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 53. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 52. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 50. | 1 |
| Dibenzofuran | ND | | ug/kg | 190 | 62. | 1 |
| 2-Methylnaphthalene | 69 | J | ug/kg | 220 | 60. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 58. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 58. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 35. | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 190 | 54. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 56. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 60. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 56. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 400 | 58. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 260 | 60. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 900 | 260 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 490 | 68. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 40. | 1 |
| Phenol | ND | | ug/kg | 190 | 55. | 1 |
| 2-Methylphenol | ND | | ug/kg | 190 | 60. | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 270 | 61. | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 190 | 60. | 1 |
| Benzoic Acid | ND | | ug/kg | 600 | 190 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 190 | 58. | 1 |
| Carbazole | ND | | ug/kg | 190 | 40. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-13 | Date Collected: | 03/30/15 08:58 |
| Client ID: | SB-7 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 66 | | 25-120 |
| Phenol-d6 | 74 | | 10-120 |
| Nitrobenzene-d5 | 51 | | 23-120 |
| 2-Fluorobiphenyl | 74 | | 30-120 |
| 2,4,6-Tribromophenol | 73 | | 10-136 |
| 4-Terphenyl-d14 | 69 | | 18-120 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-14 | Date Collected: | 03/30/15 09:10 |
| Client ID: | SB-7 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | Extraction Date: | 04/03/15 11:15 |
| Analytical Date: | 04/07/15 01:01 | | |
| Analyst: | PS | | |
| Percent Solids: | 85% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | 9600 | E | ug/kg | 150 | 39. | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 190 | 62. | 1 |
| Hexachlorobenzene | ND | | ug/kg | 110 | 36. | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 170 | 54. | 1 |
| 2-Chloronaphthalene | ND | | ug/kg | 190 | 62. | 1 |
| 1,2-Dichlorobenzene | ND | | ug/kg | 190 | 63. | 1 |
| 1,3-Dichlorobenzene | ND | | ug/kg | 190 | 60. | 1 |
| 1,4-Dichlorobenzene | ND | | ug/kg | 190 | 58. | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 190 | 51. | 1 |
| 2,4-Dinitrotoluene | ND | | ug/kg | 190 | 41. | 1 |
| 2,6-Dinitrotoluene | ND | | ug/kg | 190 | 49. | 1 |
| Fluoranthene | 29000 | E | ug/kg | 110 | 35. | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 190 | 58. | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 190 | 44. | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 230 | 67. | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 210 | 58. | 1 |
| Hexachlorobutadiene | ND | | ug/kg | 190 | 54. | 1 |
| Hexachlorocyclopentadiene | ND | | ug/kg | 550 | 120 | 1 |
| Hexachloroethane | ND | | ug/kg | 150 | 35. | 1 |
| Isophorone | ND | | ug/kg | 170 | 51. | 1 |
| Naphthalene | 3500 | | ug/kg | 190 | 63. | 1 |
| Nitrobenzene | ND | | ug/kg | 170 | 45. | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 150 | 40. | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 190 | 57. | 1 |
| Bis(2-Ethylhexyl)phthalate | 380 | | ug/kg | 190 | 50. | 1 |
| Butyl benzyl phthalate | ND | | ug/kg | 190 | 37. | 1 |
| Di-n-butylphthalate | 290 | | ug/kg | 190 | 37. | 1 |
| Di-n-octylphthalate | ND | | ug/kg | 190 | 47. | 1 |
| Diethyl phthalate | ND | | ug/kg | 190 | 40. | 1 |
| Dimethyl phthalate | ND | | ug/kg | 190 | 48. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-14 Date Collected: 03/30/15 09:10

Client ID: SB-7 (14.5-15.0) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)anthracene | 17000 | E | ug/kg | 110 | 37. | 1 |
| Benzo(a)pyrene | 14000 | E | ug/kg | 150 | 47. | 1 |
| Benzo(b)fluoranthene | 22000 | E | ug/kg | 110 | 38. | 1 |
| Benzo(k)fluoranthene | 5500 | | ug/kg | 110 | 36. | 1 |
| Chrysene | 14000 | E | ug/kg | 110 | 37. | 1 |
| Acenaphthylene | ND | | ug/kg | 150 | 36. | 1 |
| Anthracene | 11000 | E | ug/kg | 110 | 32. | 1 |
| Benzo(ghi)perylene | 5600 | | ug/kg | 150 | 40. | 1 |
| Fluorene | 8800 | E | ug/kg | 190 | 55. | 1 |
| Phenanthrene | 30000 | E | ug/kg | 110 | 37. | 1 |
| Dibenzo(a,h)anthracene | 2000 | | ug/kg | 110 | 37. | 1 |
| Indeno(1,2,3-cd)Pyrene | 7500 | | ug/kg | 150 | 42. | 1 |
| Pyrene | 24000 | E | ug/kg | 110 | 37. | 1 |
| Biphenyl | 700 | | ug/kg | 440 | 63. | 1 |
| 4-Chloroaniline | ND | | ug/kg | 190 | 50. | 1 |
| 2-Nitroaniline | ND | | ug/kg | 190 | 54. | 1 |
| 3-Nitroaniline | ND | | ug/kg | 190 | 53. | 1 |
| 4-Nitroaniline | ND | | ug/kg | 190 | 52. | 1 |
| Dibenzofuran | 5300 | | ug/kg | 190 | 64. | 1 |
| 2-Methylnaphthalene | 3200 | | ug/kg | 230 | 61. | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 190 | 59. | 1 |
| Acetophenone | ND | | ug/kg | 190 | 59. | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 110 | 36. | 1 |
| P-Chloro-M-Cresol | ND | | ug/kg | 190 | 55. | 1 |
| 2-Chlorophenol | ND | | ug/kg | 190 | 58. | 1 |
| 2,4-Dichlorophenol | ND | | ug/kg | 170 | 62. | 1 |
| 2,4-Dimethylphenol | ND | | ug/kg | 190 | 57. | 1 |
| 2-Nitrophenol | ND | | ug/kg | 410 | 60. | 1 |
| 4-Nitrophenol | ND | | ug/kg | 270 | 62. | 1 |
| 2,4-Dinitrophenol | ND | | ug/kg | 920 | 260 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 500 | 70. | 1 |
| Pentachlorophenol | ND | | ug/kg | 150 | 41. | 1 |
| Phenol | ND | | ug/kg | 190 | 56. | 1 |
| 2-Methylphenol | ND | | ug/kg | 190 | 61. | 1 |
| 3-Methylphenol/4-Methylphenol | 64 | J | ug/kg | 270 | 62. | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 190 | 62. | 1 |
| Benzoic Acid | ND | | ug/kg | 620 | 190 | 1 |
| Benzyl Alcohol | ND | | ug/kg | 190 | 59. | 1 |
| Carbazole | 6600 | | ug/kg | 190 | 41. | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-14 | Date Collected: | 03/30/15 09:10 |
| Client ID: | SB-7 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 55 | | 25-120 |
| Phenol-d6 | 73 | | 10-120 |
| Nitrobenzene-d5 | 47 | | 23-120 |
| 2-Fluorobiphenyl | 68 | | 30-120 |
| 2,4,6-Tribromophenol | 66 | | 10-136 |
| 4-Terphenyl-d14 | 59 | | 18-120 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1506286-14 | D | Date Collected: | 03/30/15 09:10 |
| Client ID: | SB-7 (14.5-15.0) | | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8270D | | Extraction Date: | 04/03/15 11:15 |
| Analytical Date: | 04/07/15 13:31 | | | |
| Analyst: | PS | | | |
| Percent Solids: | 85% | | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | 7300 | | ug/kg | 3000 | 790 | 20 |
| Fluoranthene | 33000 | | ug/kg | 2300 | 700 | 20 |
| Benzo(a)anthracene | 16000 | | ug/kg | 2300 | 750 | 20 |
| Benzo(a)pyrene | 11000 | | ug/kg | 3000 | 930 | 20 |
| Benzo(b)fluoranthene | 16000 | | ug/kg | 2300 | 770 | 20 |
| Chrysene | 14000 | | ug/kg | 2300 | 750 | 20 |
| Anthracene | 10000 | | ug/kg | 2300 | 640 | 20 |
| Fluorene | 6900 | | ug/kg | 3800 | 1100 | 20 |
| Phenanthrene | 32000 | | ug/kg | 2300 | 750 | 20 |
| Pyrene | 23000 | | ug/kg | 2300 | 740 | 20 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-15
Client ID: TW-2
Sample Location: BRONX, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/05/15 03:55
Analyst: AS

Date Collected: 03/30/15 14:37
Date Received: 03/31/15
Field Prep: Field Filtered (Metals)
Extraction Method: EPA 3510C
Extraction Date: 04/03/15 08:27

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.21 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.41 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.30 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.35 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.32 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.89 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.36 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.43 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.60 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.60 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.58 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 0.79 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/l | 2.0 | 0.34 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/l | 3.0 | 0.93 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.1 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.77 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 0.33 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.24 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 0.84 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.96 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.67 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.83 | 1 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.22 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.36 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-15 Date Collected: 03/30/15 14:37

Client ID: TW-2 Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Field Filtered (Metals)

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acetophenone | ND | | ug/l | 5.0 | 0.43 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.78 | 1 |
| P-Chloro-M-Cresol | ND | | ug/l | 2.0 | 0.54 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.58 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.56 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 0.58 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 1.0 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 1.1 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 1.4 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.4 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.27 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.70 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.72 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.75 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 1.0 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.68 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.37 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 44 | | 21-120 |
| Phenol-d6 | 32 | | 10-120 |
| Nitrobenzene-d5 | 70 | | 23-120 |
| 2-Fluorobiphenyl | 78 | | 15-120 |
| 2,4,6-Tribromophenol | 83 | | 10-120 |
| 4-Terphenyl-d14 | 89 | | 41-149 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-15
Client ID: TW-2
Sample Location: BRONX, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/05/15 00:51
Analyst: KV

Date Collected: 03/30/15 14:37
Date Received: 03/31/15
Field Prep: Field Filtered (Metals)
Extraction Method: EPA 3510C
Extraction Date: 04/03/15 08:31

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | ND | | ug/l | 0.20 | 0.06 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Fluoranthene | ND | | ug/l | 0.20 | 0.04 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.07 | 1 |
| Naphthalene | 0.08 | J | ug/l | 0.20 | 0.06 | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Chrysene | ND | | ug/l | 0.20 | 0.05 | 1 |
| Acenaphthylene | ND | | ug/l | 0.20 | 0.05 | 1 |
| Anthracene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Fluorene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Phenanthrene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/l | 0.20 | 0.08 | 1 |
| Pyrene | ND | | ug/l | 0.20 | 0.06 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.19 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.07 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-15 | Date Collected: | 03/30/15 14:37 |
| Client ID: | TW-2 | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Field Filtered (Metals) |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS-SIM - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 44 | | 21-120 |
| Phenol-d6 | 30 | | 10-120 |
| Nitrobenzene-d5 | 68 | | 23-120 |
| 2-Fluorobiphenyl | 76 | | 15-120 |
| 2,4,6-Tribromophenol | 95 | | 10-120 |
| 4-Terphenyl-d14 | 73 | | 41-149 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-16
Client ID: TW-3
Sample Location: BRONX, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/05/15 04:23
Analyst: AS

Date Collected: 03/30/15 15:34
Date Received: 03/31/15
Field Prep: Field Filtered (Metals)
Extraction Method: EPA 3510C
Extraction Date: 04/03/15 08:27

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.21 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.41 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.30 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.35 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.32 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.89 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.36 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.43 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.60 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.60 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.58 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 0.79 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/l | 2.0 | 0.34 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/l | 3.0 | 0.93 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.1 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.77 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 0.33 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.24 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 0.84 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.96 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.67 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.83 | 1 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.22 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.36 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-16 Date Collected: 03/30/15 15:34

Client ID: TW-3 Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Field Filtered (Metals)

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acetophenone | ND | | ug/l | 5.0 | 0.43 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.78 | 1 |
| P-Chloro-M-Cresol | ND | | ug/l | 2.0 | 0.54 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.58 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.56 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 0.58 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 1.0 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 1.1 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 1.4 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.4 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.27 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.70 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.72 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.75 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 1.0 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.68 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.37 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 32 | | 21-120 |
| Phenol-d6 | 26 | | 10-120 |
| Nitrobenzene-d5 | 58 | | 23-120 |
| 2-Fluorobiphenyl | 73 | | 15-120 |
| 2,4,6-Tribromophenol | 75 | | 10-120 |
| 4-Terphenyl-d14 | 93 | | 41-149 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-16
Client ID: TW-3
Sample Location: BRONX, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/05/15 01:15
Analyst: KV

Date Collected: 03/30/15 15:34
Date Received: 03/31/15
Field Prep: Field Filtered (Metals)
Extraction Method: EPA 3510C
Extraction Date: 04/03/15 08:31

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | ND | | ug/l | 0.20 | 0.06 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Fluoranthene | ND | | ug/l | 0.20 | 0.04 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.07 | 1 |
| Naphthalene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Chrysene | ND | | ug/l | 0.20 | 0.05 | 1 |
| Acenaphthylene | ND | | ug/l | 0.20 | 0.05 | 1 |
| Anthracene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Fluorene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Phenanthrene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/l | 0.20 | 0.08 | 1 |
| Pyrene | ND | | ug/l | 0.20 | 0.06 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.19 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.07 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-16 | Date Collected: | 03/30/15 15:34 |
| Client ID: | TW-3 | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Field Filtered (Metals) |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS-SIM - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 30 | | 21-120 |
| Phenol-d6 | 24 | | 10-120 |
| Nitrobenzene-d5 | 57 | | 23-120 |
| 2-Fluorobiphenyl | 70 | | 15-120 |
| 2,4,6-Tribromophenol | 82 | | 10-120 |
| 4-Terphenyl-d14 | 75 | | 41-149 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-17
Client ID: FIELD BLANK (033015)
Sample Location: BRONX, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/05/15 04:51
Analyst: RC

Date Collected: 03/30/15 16:40
Date Received: 03/31/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/03/15 08:27

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/l | 2.0 | 0.28 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.21 | 1 |
| Hexachlorobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.41 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 2.0 | 0.46 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.30 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.35 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.32 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.89 | 1 |
| Fluoranthene | ND | | ug/l | 2.0 | 0.40 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.36 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.43 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.60 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.60 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 2.0 | 0.42 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.58 | 1 |
| Hexachloroethane | ND | | ug/l | 2.0 | 0.30 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 0.79 | 1 |
| Naphthalene | ND | | ug/l | 2.0 | 0.33 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/l | 2.0 | 0.34 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/l | 3.0 | 0.93 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.1 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.77 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 0.33 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-17 Date Collected: 03/30/15 16:40

Client ID: FIELD BLANK (033015) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)anthracene | ND | | ug/l | 2.0 | 0.32 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 2.0 | 0.66 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 2.0 | 0.37 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 2.0 | 0.30 | 1 |
| Chrysene | ND | | ug/l | 2.0 | 0.30 | 1 |
| Acenaphthylene | ND | | ug/l | 2.0 | 0.37 | 1 |
| Anthracene | ND | | ug/l | 2.0 | 0.20 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 2.0 | 0.57 | 1 |
| Fluorene | ND | | ug/l | 2.0 | 0.32 | 1 |
| Phenanthrene | ND | | ug/l | 2.0 | 0.23 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 2.0 | 0.44 | 1 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/l | 2.0 | 0.43 | 1 |
| Pyrene | ND | | ug/l | 2.0 | 0.52 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.24 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 0.84 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.96 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.67 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.83 | 1 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.22 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 2.0 | 0.36 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.36 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.43 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.78 | 1 |
| P-Chloro-M-Cresol | ND | | ug/l | 2.0 | 0.54 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.58 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.56 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 0.58 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 1.0 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 1.1 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 1.4 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.4 | 1 |
| Pentachlorophenol | ND | | ug/l | 10 | 3.2 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.27 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.70 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.72 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.75 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 1.0 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.68 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.37 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-17 Date Collected: 03/30/15 16:40

Client ID: FIELD BLANK (033015) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | **0** | Q | 21-120 |
| Phenol-d6 | **0** | Q | 10-120 |
| Nitrobenzene-d5 | **0** | Q | 23-120 |
| 2-Fluorobiphenyl | **9** | Q | 15-120 |
| 2,4,6-Tribromophenol | 61 | | 10-120 |
| 4-Terphenyl-d14 | 90 | | 41-149 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-17 RE
Client ID: FIELD BLANK (033015)
Sample Location: BRONX, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/07/15 15:44
Analyst: RC

Date Collected: 03/30/15 16:40
Date Received: 03/31/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/07/15 08:37

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acenaphthene | ND | | ug/l | 2.0 | 0.28 | 1 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.21 | 1 |
| Hexachlorobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.41 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 2.0 | 0.46 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.30 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.35 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.32 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.89 | 1 |
| Fluoranthene | ND | | ug/l | 2.0 | 0.40 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.36 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.43 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.60 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.60 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 2.0 | 0.42 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.58 | 1 |
| Hexachloroethane | ND | | ug/l | 2.0 | 0.30 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 0.79 | 1 |
| Naphthalene | ND | | ug/l | 2.0 | 0.33 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/l | 2.0 | 0.34 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/l | 3.0 | 0.93 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.1 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.77 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 0.33 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-17 RE Date Collected: 03/30/15 16:40

Client ID: FIELD BLANK (033015) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Benzo(a)anthracene | ND | | ug/l | 2.0 | 0.32 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 2.0 | 0.66 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 2.0 | 0.37 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 2.0 | 0.30 | 1 |
| Chrysene | ND | | ug/l | 2.0 | 0.30 | 1 |
| Acenaphthylene | ND | | ug/l | 2.0 | 0.37 | 1 |
| Anthracene | ND | | ug/l | 2.0 | 0.20 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 2.0 | 0.57 | 1 |
| Fluorene | ND | | ug/l | 2.0 | 0.32 | 1 |
| Phenanthrene | ND | | ug/l | 2.0 | 0.23 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 2.0 | 0.44 | 1 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/l | 2.0 | 0.43 | 1 |
| Pyrene | ND | | ug/l | 2.0 | 0.52 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.24 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 0.84 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.96 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.67 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.83 | 1 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.22 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 2.0 | 0.36 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.36 | 1 |
| Acetophenone | ND | | ug/l | 5.0 | 0.43 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.78 | 1 |
| P-Chloro-M-Cresol | ND | | ug/l | 2.0 | 0.54 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.58 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.56 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 0.58 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 1.0 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 1.1 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 1.4 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.4 | 1 |
| Pentachlorophenol | ND | | ug/l | 10 | 3.2 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.27 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.70 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.72 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.75 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 1.0 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.68 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.37 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-17 RE Date Collected: 03/30/15 16:40

Client ID: FIELD BLANK (033015) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 48 | | 21-120 |
| Phenol-d6 | 31 | | 10-120 |
| Nitrobenzene-d5 | 69 | | 23-120 |
| 2-Fluorobiphenyl | 79 | | 15-120 |
| 2,4,6-Tribromophenol | 86 | | 10-120 |
| 4-Terphenyl-d14 | 87 | | 41-149 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-18
Client ID: FBW (033015)
Sample Location: BRONX, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/07/15 09:58
Analyst: AS

Date Collected: 03/30/15 08:00
Date Received: 03/31/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/03/15 08:27

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.21 | 1 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.41 | 1 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.30 | 1 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.35 | 1 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.32 | 1 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 0.48 | 1 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.0 | 1 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.89 | 1 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.36 | 1 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.43 | 1 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.60 | 1 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.60 | 1 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.58 | 1 |
| Isophorone | ND | | ug/l | 5.0 | 0.79 | 1 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.40 | 1 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/l | 2.0 | 0.34 | 1 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/l | 3.0 | 0.93 | 1 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.1 | 1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.77 | 1 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.2 | 1 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.39 | 1 |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 0.33 | 1 |
| Biphenyl | ND | | ug/l | 2.0 | 0.24 | 1 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 0.84 | 1 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.96 | 1 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.67 | 1 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.83 | 1 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.22 | 1 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.36 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-18 Date Collected: 03/30/15 08:00

Client ID: FBW (033015) Date Received: 03/31/15

Sample Location: BRONX, NY Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| **Semivolatile Organics by GC/MS - Westborough Lab** | | | | | | |
| Acetophenone | ND | | ug/l | 5.0 | 0.43 | 1 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.78 | 1 |
| P-Chloro-M-Cresol | ND | | ug/l | 2.0 | 0.54 | 1 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.58 | 1 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.56 | 1 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 0.58 | 1 |
| 2-Nitrophenol | ND | | ug/l | 10 | 1.0 | 1 |
| 4-Nitrophenol | ND | | ug/l | 10 | 1.1 | 1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 1.4 | 1 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.4 | 1 |
| Phenol | ND | | ug/l | 5.0 | 0.27 | 1 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.70 | 1 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.72 | 1 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.75 | 1 |
| Benzoic Acid | ND | | ug/l | 50 | 1.0 | 1 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.68 | 1 |
| Carbazole | ND | | ug/l | 2.0 | 0.37 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | **19** | Q | 21-120 |
| Phenol-d6 | 15 | | 10-120 |
| Nitrobenzene-d5 | 38 | | 23-120 |
| 2-Fluorobiphenyl | 52 | | 15-120 |
| 2,4,6-Tribromophenol | 57 | | 10-120 |
| 4-Terphenyl-d14 | 97 | | 41-149 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-18
Client ID: FBW (033015)
Sample Location: BRONX, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/05/15 01:40
Analyst: KV

Date Collected: 03/30/15 08:00
Date Received: 03/31/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/03/15 08:31

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab | | | | | | |
| Acenaphthene | ND | | ug/l | 0.20 | 0.06 | 1 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Fluoranthene | ND | | ug/l | 0.20 | 0.04 | 1 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.07 | 1 |
| Naphthalene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Benzo(a)anthracene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Benzo(a)pyrene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Chrysene | ND | | ug/l | 0.20 | 0.05 | 1 |
| Acenaphthylene | ND | | ug/l | 0.20 | 0.05 | 1 |
| Anthracene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Benzo(ghi)perylene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Fluorene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Phenanthrene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.20 | 0.07 | 1 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/l | 0.20 | 0.08 | 1 |
| Pyrene | ND | | ug/l | 0.20 | 0.06 | 1 |
| 2-Methylnaphthalene | ND | | ug/l | 0.20 | 0.06 | 1 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.19 | 1 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 | 1 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.07 | 1 |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-18 | Date Collected: | 03/30/15 08:00 |
| Client ID: | FBW (033015) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|---|---|---|---|---|---|

Semivolatile Organics by GC/MS-SIM - Westborough Lab

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 23 | | 21-120 |
| Phenol-d6 | 17 | | 10-120 |
| Nitrobenzene-d5 | 39 | | 23-120 |
| 2-Fluorobiphenyl | 48 | | 15-120 |
| 2,4,6-Tribromophenol | 69 | | 10-120 |
| 4-Terphenyl-d14 | 84 | | 41-149 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/04/15 20:54
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 04/03/15 08:27

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 15-16,18 Batch: WG773201-1 | | | | | |
| Acenaphthene | ND | | ug/l | 2.0 | 0.28 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.21 |
| Hexachlorobenzene | ND | | ug/l | 2.0 | 0.40 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.41 |
| 2-Chloronaphthalene | ND | | ug/l | 2.0 | 0.46 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.30 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.35 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.32 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 0.48 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.0 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.89 |
| Fluoranthene | ND | | ug/l | 2.0 | 0.40 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.36 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.43 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.60 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.60 |
| Hexachlorobutadiene | ND | | ug/l | 2.0 | 0.42 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.58 |
| Hexachloroethane | ND | | ug/l | 2.0 | 0.30 |
| Isophorone | ND | | ug/l | 5.0 | 0.79 |
| Naphthalene | ND | | ug/l | 2.0 | 0.33 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.40 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/l | 2.0 | 0.34 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/l | 3.0 | 0.93 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.77 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.2 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.39 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/04/15 20:54
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 04/03/15 08:27

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 15-16,18 Batch: WG773201-1 | | | | | |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 0.33 |
| Benzo(a)anthracene | ND | | ug/l | 2.0 | 0.32 |
| Benzo(a)pyrene | ND | | ug/l | 2.0 | 0.66 |
| Benzo(b)fluoranthene | ND | | ug/l | 2.0 | 0.37 |
| Benzo(k)fluoranthene | ND | | ug/l | 2.0 | 0.30 |
| Chrysene | ND | | ug/l | 2.0 | 0.30 |
| Acenaphthylene | ND | | ug/l | 2.0 | 0.37 |
| Anthracene | ND | | ug/l | 2.0 | 0.20 |
| Benzo(ghi)perylene | ND | | ug/l | 2.0 | 0.57 |
| Fluorene | ND | | ug/l | 2.0 | 0.32 |
| Phenanthrene | ND | | ug/l | 2.0 | 0.23 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 2.0 | 0.44 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/l | 2.0 | 0.43 |
| Pyrene | ND | | ug/l | 2.0 | 0.52 |
| Biphenyl | ND | | ug/l | 2.0 | 0.24 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 0.84 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.96 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.67 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.83 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.22 |
| 2-Methylnaphthalene | ND | | ug/l | 2.0 | 0.36 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.36 |
| Acetophenone | ND | | ug/l | 5.0 | 0.43 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.78 |
| P-Chloro-M-Cresol | ND | | ug/l | 2.0 | 0.54 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.58 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.56 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 0.58 |
| 2-Nitrophenol | ND | | ug/l | 10 | 1.0 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/04/15 20:54
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 04/03/15 08:27

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 15-16,18 Batch: WG773201-1 | | | | | |
| 4-Nitrophenol | ND | | ug/l | 10 | 1.1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 1.4 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.4 |
| Pentachlorophenol | ND | | ug/l | 10 | 3.2 |
| Phenol | ND | | ug/l | 5.0 | 0.27 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.70 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.72 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.75 |
| Benzoic Acid | ND | | ug/l | 50 | 1.0 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.68 |
| Carbazole | ND | | ug/l | 2.0 | 0.37 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 38 | | 21-120 |
| Phenol-d6 | 25 | | 10-120 |
| Nitrobenzene-d5 | 53 | | 23-120 |
| 2-Fluorobiphenyl | 68 | | 15-120 |
| 2,4,6-Tribromophenol | 77 | | 10-120 |
| 4-Terphenyl-d14 | 86 | | 41-149 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/04/15 20:47
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 04/03/15 08:31

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 15-16,18 Batch: WG773202-1 | | | | | |
| Acenaphthene | ND | | ug/l | 0.20 | 0.06 |
| 2-Chloronaphthalene | ND | | ug/l | 0.20 | 0.07 |
| Fluoranthene | ND | | ug/l | 0.20 | 0.04 |
| Hexachlorobutadiene | ND | | ug/l | 0.50 | 0.07 |
| Naphthalene | ND | | ug/l | 0.20 | 0.06 |
| Benzo(a)anthracene | ND | | ug/l | 0.20 | 0.06 |
| Benzo(a)pyrene | ND | | ug/l | 0.20 | 0.07 |
| Benzo(b)fluoranthene | ND | | ug/l | 0.20 | 0.07 |
| Benzo(k)fluoranthene | ND | | ug/l | 0.20 | 0.07 |
| Chrysene | ND | | ug/l | 0.20 | 0.05 |
| Acenaphthylene | ND | | ug/l | 0.20 | 0.05 |
| Anthracene | ND | | ug/l | 0.20 | 0.06 |
| Benzo(ghi)perylene | ND | | ug/l | 0.20 | 0.07 |
| Fluorene | ND | | ug/l | 0.20 | 0.06 |
| Phenanthrene | ND | | ug/l | 0.20 | 0.06 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 0.20 | 0.07 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/l | 0.20 | 0.08 |
| Pyrene | ND | | ug/l | 0.20 | 0.06 |
| 2-Methylnaphthalene | ND | | ug/l | 0.20 | 0.06 |
| Pentachlorophenol | ND | | ug/l | 0.80 | 0.19 |
| Hexachlorobenzene | ND | | ug/l | 0.80 | 0.01 |
| Hexachloroethane | ND | | ug/l | 0.80 | 0.07 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/04/15 20:47
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 04/03/15 08:31

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 15-16,18 Batch: WG773202-1 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 37 | | 21-120 |
| Phenol-d6 | 25 | | 10-120 |
| Nitrobenzene-d5 | 57 | | 23-120 |
| 2-Fluorobiphenyl | 66 | | 15-120 |
| 2,4,6-Tribromophenol | 88 | | 10-120 |
| 4-Terphenyl-d14 | 80 | | 41-149 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/06/15 12:38
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 04/03/15 11:15

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-14 Batch: WG773285-1 | | | | | |
| Acenaphthene | ND | | ug/kg | 130 | 33. |
| 1,2,4-Trichlorobenzene | ND | | ug/kg | 160 | 53. |
| Hexachlorobenzene | ND | | ug/kg | 98 | 30. |
| Bis(2-chloroethyl)ether | ND | | ug/kg | 150 | 46. |
| 2-Chloronaphthalene | ND | | ug/kg | 160 | 53. |
| 1,2-Dichlorobenzene | ND | | ug/kg | 160 | 53. |
| 1,3-Dichlorobenzene | ND | | ug/kg | 160 | 51. |
| 1,4-Dichlorobenzene | ND | | ug/kg | 160 | 49. |
| 3,3'-Dichlorobenzidine | ND | | ug/kg | 160 | 43. |
| 2,4-Dinitrotoluene | ND | | ug/kg | 160 | 35. |
| 2,6-Dinitrotoluene | ND | | ug/kg | 160 | 42. |
| Fluoranthene | ND | | ug/kg | 98 | 30. |
| 4-Chlorophenyl phenyl ether | ND | | ug/kg | 160 | 49. |
| 4-Bromophenyl phenyl ether | ND | | ug/kg | 160 | 37. |
| Bis(2-chloroisopropyl)ether | ND | | ug/kg | 200 | 57. |
| Bis(2-chloroethoxy)methane | ND | | ug/kg | 180 | 49. |
| Hexachlorobutadiene | ND | | ug/kg | 160 | 46. |
| Hexachlorocyclopentadiene | ND | | ug/kg | 470 | 100 |
| Hexachloroethane | ND | | ug/kg | 130 | 30. |
| Isophorone | ND | | ug/kg | 150 | 43. |
| Naphthalene | ND | | ug/kg | 160 | 54. |
| Nitrobenzene | ND | | ug/kg | 150 | 39. |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/kg | 130 | 34. |
| n-Nitrosodi-n-propylamine | ND | | ug/kg | 160 | 48. |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/kg | 160 | 42. |
| Butyl benzyl phthalate | ND | | ug/kg | 160 | 32. |
| Di-n-butylphthalate | ND | | ug/kg | 160 | 31. |
| Di-n-octylphthalate | ND | | ug/kg | 160 | 40. |
| Diethyl phthalate | ND | | ug/kg | 160 | 34. |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/06/15 12:38
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 04/03/15 11:15

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-14 Batch: WG773285-1 | | | | | |
| Dimethyl phthalate | ND | | ug/kg | 160 | 41. |
| Benzo(a)anthracene | ND | | ug/kg | 98 | 32. |
| Benzo(a)pyrene | ND | | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene | ND | | ug/kg | 98 | 33. |
| Benzo(k)fluoranthene | ND | | ug/kg | 98 | 31. |
| Chrysene | ND | | ug/kg | 98 | 32. |
| Acenaphthylene | ND | | ug/kg | 130 | 30. |
| Anthracene | ND | | ug/kg | 98 | 27. |
| Benzo(ghi)perylene | ND | | ug/kg | 130 | 34. |
| Fluorene | ND | | ug/kg | 160 | 46. |
| Phenanthrene | ND | | ug/kg | 98 | 32. |
| Dibenzo(a,h)anthracene | ND | | ug/kg | 98 | 31. |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/kg | 130 | 36. |
| Pyrene | ND | | ug/kg | 98 | 32. |
| Biphenyl | ND | | ug/kg | 370 | 54. |
| 4-Chloroaniline | ND | | ug/kg | 160 | 43. |
| 2-Nitroaniline | ND | | ug/kg | 160 | 46. |
| 3-Nitroaniline | ND | | ug/kg | 160 | 45. |
| 4-Nitroaniline | ND | | ug/kg | 160 | 44. |
| Dibenzofuran | ND | | ug/kg | 160 | 54. |
| 2-Methylnaphthalene | ND | | ug/kg | 200 | 52. |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg | 160 | 50. |
| Acetophenone | ND | | ug/kg | 160 | 50. |
| 2,4,6-Trichlorophenol | ND | | ug/kg | 98 | 31. |
| P-Chloro-M-Cresol | ND | | ug/kg | 160 | 47. |
| 2-Chlorophenol | ND | | ug/kg | 160 | 49. |
| 2,4-Dichlorophenol | ND | | ug/kg | 150 | 53. |
| 2,4-Dimethylphenol | ND | | ug/kg | 160 | 48. |
| 2-Nitrophenol | ND | | ug/kg | 350 | 51. |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/06/15 12:38
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 04/03/15 11:15

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-14 Batch: WG773285-1 | | | | | |
| 4-Nitrophenol | ND | | ug/kg | 230 | 53. |
| 2,4-Dinitrophenol | ND | | ug/kg | 780 | 220 |
| 4,6-Dinitro-o-cresol | ND | | ug/kg | 420 | 59. |
| Pentachlorophenol | ND | | ug/kg | 130 | 35. |
| Phenol | ND | | ug/kg | 160 | 48. |
| 2-Methylphenol | ND | | ug/kg | 160 | 52. |
| 3-Methylphenol/4-Methylphenol | ND | | ug/kg | 230 | 53. |
| 2,4,5-Trichlorophenol | ND | | ug/kg | 160 | 53. |
| Benzoic Acid | ND | | ug/kg | 530 | 160 |
| Benzyl Alcohol | ND | | ug/kg | 160 | 50. |
| Carbazole | ND | | ug/kg | 160 | 35. |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 70 | | 25-120 |
| Phenol-d6 | 71 | | 10-120 |
| Nitrobenzene-d5 | 70 | | 23-120 |
| 2-Fluorobiphenyl | 71 | | 30-120 |
| 2,4,6-Tribromophenol | 81 | | 10-136 |
| 4-Terphenyl-d14 | 80 | | 18-120 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/07/15 13:53
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 04/07/15 08:27

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG773926-1 | | | | | |
| Acenaphthene | ND | | ug/l | 2.0 | 0.28 |
| 1,2,4-Trichlorobenzene | ND | | ug/l | 5.0 | 0.21 |
| Hexachlorobenzene | ND | | ug/l | 2.0 | 0.40 |
| Bis(2-chloroethyl)ether | ND | | ug/l | 2.0 | 0.41 |
| 2-Chloronaphthalene | ND | | ug/l | 2.0 | 0.46 |
| 1,2-Dichlorobenzene | ND | | ug/l | 2.0 | 0.30 |
| 1,3-Dichlorobenzene | ND | | ug/l | 2.0 | 0.35 |
| 1,4-Dichlorobenzene | ND | | ug/l | 2.0 | 0.32 |
| 3,3'-Dichlorobenzidine | ND | | ug/l | 5.0 | 0.48 |
| 2,4-Dinitrotoluene | ND | | ug/l | 5.0 | 1.0 |
| 2,6-Dinitrotoluene | ND | | ug/l | 5.0 | 0.89 |
| Fluoranthene | ND | | ug/l | 2.0 | 0.40 |
| 4-Chlorophenyl phenyl ether | ND | | ug/l | 2.0 | 0.36 |
| 4-Bromophenyl phenyl ether | ND | | ug/l | 2.0 | 0.43 |
| Bis(2-chloroisopropyl)ether | ND | | ug/l | 2.0 | 0.60 |
| Bis(2-chloroethoxy)methane | ND | | ug/l | 5.0 | 0.60 |
| Hexachlorobutadiene | ND | | ug/l | 2.0 | 0.42 |
| Hexachlorocyclopentadiene | ND | | ug/l | 20 | 0.58 |
| Hexachloroethane | ND | | ug/l | 2.0 | 0.30 |
| Isophorone | ND | | ug/l | 5.0 | 0.79 |
| Naphthalene | ND | | ug/l | 2.0 | 0.33 |
| Nitrobenzene | ND | | ug/l | 2.0 | 0.40 |
| NitrosoDiPhenylAmine(NDPA)/DPA | ND | | ug/l | 2.0 | 0.34 |
| n-Nitrosodi-n-propylamine | ND | | ug/l | 5.0 | 0.64 |
| Bis(2-Ethylhexyl)phthalate | ND | | ug/l | 3.0 | 0.93 |
| Butyl benzyl phthalate | ND | | ug/l | 5.0 | 1.1 |
| Di-n-butylphthalate | ND | | ug/l | 5.0 | 0.77 |
| Di-n-octylphthalate | ND | | ug/l | 5.0 | 1.2 |
| Diethyl phthalate | ND | | ug/l | 5.0 | 0.39 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/07/15 13:53
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 04/07/15 08:27

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG773926-1 | | | | | |
| Dimethyl phthalate | ND | | ug/l | 5.0 | 0.33 |
| Benzo(a)anthracene | ND | | ug/l | 2.0 | 0.32 |
| Benzo(a)pyrene | ND | | ug/l | 2.0 | 0.66 |
| Benzo(b)fluoranthene | ND | | ug/l | 2.0 | 0.37 |
| Benzo(k)fluoranthene | ND | | ug/l | 2.0 | 0.30 |
| Chrysene | ND | | ug/l | 2.0 | 0.30 |
| Acenaphthylene | ND | | ug/l | 2.0 | 0.37 |
| Anthracene | ND | | ug/l | 2.0 | 0.20 |
| Benzo(ghi)perylene | ND | | ug/l | 2.0 | 0.57 |
| Fluorene | ND | | ug/l | 2.0 | 0.32 |
| Phenanthrene | ND | | ug/l | 2.0 | 0.23 |
| Dibenzo(a,h)anthracene | ND | | ug/l | 2.0 | 0.44 |
| Indeno(1,2,3-cd)Pyrene | ND | | ug/l | 2.0 | 0.43 |
| Pyrene | ND | | ug/l | 2.0 | 0.52 |
| Biphenyl | ND | | ug/l | 2.0 | 0.24 |
| 4-Chloroaniline | ND | | ug/l | 5.0 | 0.84 |
| 2-Nitroaniline | ND | | ug/l | 5.0 | 0.96 |
| 3-Nitroaniline | ND | | ug/l | 5.0 | 0.67 |
| 4-Nitroaniline | ND | | ug/l | 5.0 | 0.83 |
| Dibenzofuran | ND | | ug/l | 2.0 | 0.22 |
| 2-Methylnaphthalene | ND | | ug/l | 2.0 | 0.36 |
| 1,2,4,5-Tetrachlorobenzene | ND | | ug/l | 10 | 0.36 |
| Acetophenone | ND | | ug/l | 5.0 | 0.43 |
| 2,4,6-Trichlorophenol | ND | | ug/l | 5.0 | 0.78 |
| P-Chloro-M-Cresol | ND | | ug/l | 2.0 | 0.54 |
| 2-Chlorophenol | ND | | ug/l | 2.0 | 0.58 |
| 2,4-Dichlorophenol | ND | | ug/l | 5.0 | 0.56 |
| 2,4-Dimethylphenol | ND | | ug/l | 5.0 | 0.58 |
| 2-Nitrophenol | ND | | ug/l | 10 | 1.0 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/07/15 13:53
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 04/07/15 08:27

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG773926-1 | | | | | |
| 4-Nitrophenol | ND | | ug/l | 10 | 1.1 |
| 2,4-Dinitrophenol | ND | | ug/l | 20 | 1.4 |
| 4,6-Dinitro-o-cresol | ND | | ug/l | 10 | 1.4 |
| Pentachlorophenol | ND | | ug/l | 10 | 3.2 |
| Phenol | ND | | ug/l | 5.0 | 0.27 |
| 2-Methylphenol | ND | | ug/l | 5.0 | 0.70 |
| 3-Methylphenol/4-Methylphenol | ND | | ug/l | 5.0 | 0.72 |
| 2,4,5-Trichlorophenol | ND | | ug/l | 5.0 | 0.75 |
| Benzoic Acid | ND | | ug/l | 50 | 1.0 |
| Benzyl Alcohol | ND | | ug/l | 2.0 | 0.68 |
| Carbazole | ND | | ug/l | 2.0 | 0.37 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 2-Fluorophenol | 49 | | 21-120 |
| Phenol-d6 | 35 | | 10-120 |
| Nitrobenzene-d5 | 64 | | 23-120 |
| 2-Fluorobiphenyl | 66 | | 15-120 |
| 2,4,6-Tribromophenol | 75 | | 10-120 |
| 4-Terphenyl-d14 | 72 | | 41-149 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16,18 Batch: WG773201-2 WG773201-3 | | | | | | | | |
| Acenaphthene | 78 | | 81 | | 37-111 | 4 | | 30 |
| 1,2,4-Trichlorobenzene | 67 | | 71 | | 39-98 | 6 | | 30 |
| Hexachlorobenzene | 81 | | 86 | | 40-140 | 6 | | 30 |
| Bis(2-chloroethyl)ether | 67 | | 69 | | 40-140 | 3 | | 30 |
| 2-Chloronaphthalene | 78 | | 82 | | 40-140 | 5 | | 30 |
| 1,2-Dichlorobenzene | 58 | | 63 | | 40-140 | 8 | | 30 |
| 1,3-Dichlorobenzene | 54 | | 60 | | 40-140 | 11 | | 30 |
| 1,4-Dichlorobenzene | 55 | | 60 | | 36-97 | 9 | | 30 |
| 3,3'-Dichlorobenzidine | 74 | | 74 | | 40-140 | 0 | | 30 |
| 2,4-Dinitrotoluene | 95 | | **102** | Q | 24-96 | 7 | | 30 |
| 2,6-Dinitrotoluene | 88 | | 94 | | 40-140 | 7 | | 30 |
| Fluoranthene | 86 | | 91 | | 40-140 | 6 | | 30 |
| 4-Chlorophenyl phenyl ether | 80 | | 84 | | 40-140 | 5 | | 30 |
| 4-Bromophenyl phenyl ether | 81 | | 87 | | 40-140 | 7 | | 30 |
| Bis(2-chloroisopropyl)ether | 60 | | 62 | | 40-140 | 3 | | 30 |
| Bis(2-chloroethoxy)methane | 70 | | 71 | | 40-140 | 1 | | 30 |
| Hexachlorobutadiene | 64 | | 69 | | 40-140 | 8 | | 30 |
| Hexachlorocyclopentadiene | 84 | | 88 | | 40-140 | 5 | | 30 |
| Hexachloroethane | 54 | | 60 | | 40-140 | 11 | | 30 |
| Isophorone | 74 | | 77 | | 40-140 | 4 | | 30 |
| Naphthalene | 71 | | 74 | | 40-140 | 4 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16,18 Batch: WG773201-2 WG773201-3 | | | | | | | | |
| Nitrobenzene | 58 | | 60 | | 40-140 | 3 | | 30 |
| NitrosoDiPhenylAmine(NDPA)/DPA | 82 | | 87 | | 40-140 | 6 | | 30 |
| n-Nitrosodi-n-propylamine | 68 | | 70 | | 29-132 | 3 | | 30 |
| Bis(2-Ethylhexyl)phthalate | 122 | | 105 | | 40-140 | 15 | | 30 |
| Butyl benzyl phthalate | 91 | | 97 | | 40-140 | 6 | | 30 |
| Di-n-butylphthalate | 93 | | 98 | | 40-140 | 5 | | 30 |
| Di-n-octylphthalate | 103 | | 109 | | 40-140 | 6 | | 30 |
| Diethyl phthalate | 85 | | 91 | | 40-140 | 7 | | 30 |
| Dimethyl phthalate | 84 | | 89 | | 40-140 | 6 | | 30 |
| Benzo(a)anthracene | 89 | | 93 | | 40-140 | 4 | | 30 |
| Benzo(a)pyrene | 87 | | 92 | | 40-140 | 6 | | 30 |
| Benzo(b)fluoranthene | 87 | | 92 | | 40-140 | 6 | | 30 |
| Benzo(k)fluoranthene | 88 | | 94 | | 40-140 | 7 | | 30 |
| Chrysene | 87 | | 90 | | 40-140 | 3 | | 30 |
| Acenaphthylene | 83 | | 88 | | 45-123 | 6 | | 30 |
| Anthracene | 89 | | 93 | | 40-140 | 4 | | 30 |
| Benzo(ghi)perylene | 86 | | 88 | | 40-140 | 2 | | 30 |
| Fluorene | 82 | | 87 | | 40-140 | 6 | | 30 |
| Phenanthrene | 86 | | 90 | | 40-140 | 5 | | 30 |
| Dibenzo(a,h)anthracene | 87 | | 90 | | 40-140 | 3 | | 30 |
| Indeno(1,2,3-cd)Pyrene | 83 | | 86 | | 40-140 | 4 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16,18 Batch: WG773201-2 WG773201-3 | | | | | | | | |
| Pyrene | 86 | | 89 | | 26-127 | 3 | | 30 |
| Biphenyl | 79 | | 82 | | 54-104 | 4 | | 30 |
| 4-Chloroaniline | 69 | | 70 | | 40-140 | 1 | | 30 |
| 2-Nitroaniline | 86 | | 94 | | 52-143 | 9 | | 30 |
| 3-Nitroaniline | 60 | | 59 | | 25-145 | 2 | | 30 |
| 4-Nitroaniline | 84 | | 88 | | 51-143 | 5 | | 30 |
| Dibenzofuran | 81 | | 85 | | 40-140 | 5 | | 30 |
| 2-Methylnaphthalene | 56 | | 59 | | 40-140 | 5 | | 30 |
| 1,2,4,5-Tetrachlorobenzene | 75 | | 78 | | 2-134 | 4 | | 30 |
| Acetophenone | 75 | | 78 | | 39-129 | 4 | | 30 |
| 2,4,6-Trichlorophenol | 83 | | 89 | | 30-130 | 7 | | 30 |
| P-Chloro-M-Cresol | 81 | | 88 | | 23-97 | 8 | | 30 |
| 2-Chlorophenol | 69 | | 72 | | 27-123 | 4 | | 30 |
| 2,4-Dichlorophenol | 81 | | 86 | | 30-130 | 6 | | 30 |
| 2,4-Dimethylphenol | 55 | | 67 | | 30-130 | 20 | | 30 |
| 2-Nitrophenol | 79 | | 83 | | 30-130 | 5 | | 30 |
| 4-Nitrophenol | 51 | | 54 | | 10-80 | 6 | | 30 |
| 2,4-Dinitrophenol | 88 | | 87 | | 20-130 | 1 | | 30 |
| 4,6-Dinitro-o-cresol | 92 | | 99 | | 20-164 | 7 | | 30 |
| Pentachlorophenol | 79 | | 83 | | 9-103 | 5 | | 30 |
| Phenol | 35 | | 37 | | 12-110 | 6 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15-16,18 Batch: WG773201-2 WG773201-3 | | | | | | | | |
| 2-Methylphenol | 63 | | 65 | | 30-130 | 3 | | 30 |
| 3-Methylphenol/4-Methylphenol | 66 | | 70 | | 30-130 | 6 | | 30 |
| 2,4,5-Trichlorophenol | 85 | | 93 | | 30-130 | 9 | | 30 |
| Benzoic Acid | 11 | | **4** | Q | 10-110 | **103** | Q | 30 |
| Benzyl Alcohol | 62 | | 64 | | 15-110 | 3 | | 30 |
| Carbazole | 88 | | 92 | | 55-144 | 4 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 47 | | 49 | | 21-120 |
| Phenol-d6 | 34 | | 35 | | 10-120 |
| Nitrobenzene-d5 | 71 | | 73 | | 23-120 |
| 2-Fluorobiphenyl | 80 | | 84 | | 15-120 |
| 2,4,6-Tribromophenol | 89 | | 93 | | 10-120 |
| 4-Terphenyl-d14 | 86 | | 89 | | 41-149 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 15-16,18 Batch: WG773202-2 WG773202-3 | | | | | | | | |
| Acenaphthene | 73 | | 71 | | 37-111 | 3 | | 40 |
| 2-Chloronaphthalene | 76 | | 73 | | 40-140 | 4 | | 40 |
| Fluoranthene | 81 | | 79 | | 40-140 | 3 | | 40 |
| Hexachlorobutadiene | 65 | | 61 | | 40-140 | 6 | | 40 |
| Naphthalene | 69 | | 64 | | 40-140 | 8 | | 40 |
| Benzo(a)anthracene | 82 | | 81 | | 40-140 | 1 | | 40 |
| Benzo(a)pyrene | 81 | | 79 | | 40-140 | 3 | | 40 |
| Benzo(b)fluoranthene | 81 | | 83 | | 40-140 | 2 | | 40 |
| Benzo(k)fluoranthene | 83 | | 79 | | 40-140 | 5 | | 40 |
| Chrysene | 75 | | 76 | | 40-140 | 1 | | 40 |
| Acenaphthylene | 73 | | 71 | | 40-140 | 3 | | 40 |
| Anthracene | 76 | | 74 | | 40-140 | 3 | | 40 |
| Benzo(ghi)perylene | 81 | | 81 | | 40-140 | 0 | | 40 |
| Fluorene | 80 | | 78 | | 40-140 | 3 | | 40 |
| Phenanthrene | 74 | | 74 | | 40-140 | 0 | | 40 |
| Dibenzo(a,h)anthracene | 83 | | 83 | | 40-140 | 0 | | 40 |
| Indeno(1,2,3-cd)Pyrene | 82 | | 82 | | 40-140 | 0 | | 40 |
| Pyrene | 80 | | 78 | | 26-127 | 3 | | 40 |
| 2-Methylnaphthalene | 77 | | 73 | | 40-140 | 5 | | 40 |
| Pentachlorophenol | 58 | | 61 | | 9-103 | 5 | | 40 |
| Hexachlorobenzene | 75 | | 74 | | 40-140 | 1 | | 40 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 15-16,18 Batch: WG773202-2 WG773202-3 | | | | | | | | |
| Hexachloroethane | 61 | | 56 | | 40-140 | 9 | | 40 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 44 | | 38 | | 21-120 |
| Phenol-d6 | 30 | | 27 | | 10-120 |
| Nitrobenzene-d5 | 65 | | 60 | | 23-120 |
| 2-Fluorobiphenyl | 71 | | 67 | | 15-120 |
| 2,4,6-Tribromophenol | 89 | | 87 | | 10-120 |
| 4-Terphenyl-d14 | 69 | | 68 | | 41-149 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG773285-2 WG773285-3 | | | | | | | | |
| Acenaphthene | 78 | | 73 | | 31-137 | 7 | | 50 |
| 1,2,4-Trichlorobenzene | 75 | | 69 | | 38-107 | 8 | | 50 |
| Hexachlorobenzene | 81 | | 76 | | 40-140 | 6 | | 50 |
| Bis(2-chloroethyl)ether | 72 | | 67 | | 40-140 | 7 | | 50 |
| 2-Chloronaphthalene | 80 | | 75 | | 40-140 | 6 | | 50 |
| 1,2-Dichlorobenzene | 72 | | 68 | | 40-140 | 6 | | 50 |
| 1,3-Dichlorobenzene | 68 | | 64 | | 40-140 | 6 | | 50 |
| 1,4-Dichlorobenzene | 68 | | 65 | | 28-104 | 5 | | 50 |
| 3,3'-Dichlorobenzidine | 73 | | 68 | | 40-140 | 7 | | 50 |
| 2,4-Dinitrotoluene | 80 | | 77 | | 28-89 | 4 | | 50 |
| 2,6-Dinitrotoluene | 80 | | 76 | | 40-140 | 5 | | 50 |
| Fluoranthene | 83 | | 78 | | 40-140 | 6 | | 50 |
| 4-Chlorophenyl phenyl ether | 77 | | 72 | | 40-140 | 7 | | 50 |
| 4-Bromophenyl phenyl ether | 81 | | 77 | | 40-140 | 5 | | 50 |
| Bis(2-chloroisopropyl)ether | 69 | | 66 | | 40-140 | 4 | | 50 |
| Bis(2-chloroethoxy)methane | 77 | | 72 | | 40-117 | 7 | | 50 |
| Hexachlorobutadiene | 79 | | 72 | | 40-140 | 9 | | 50 |
| Hexachlorocyclopentadiene | 68 | | 63 | | 40-140 | 8 | | 50 |
| Hexachloroethane | 71 | | 66 | | 40-140 | 7 | | 50 |
| Isophorone | 74 | | 70 | | 40-140 | 6 | | 50 |
| Naphthalene | 76 | | 72 | | 40-140 | 5 | | 50 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG773285-2 WG773285-3 | | | | | | | | |
| Nitrobenzene | 77 | | 72 | | 40-140 | 7 | | 50 |
| NitrosoDiPhenylAmine(NDPA)/DPA | 81 | | 76 | | 36-157 | 6 | | 50 |
| n-Nitrosodi-n-propylamine | 72 | | 67 | | 32-121 | 7 | | 50 |
| Bis(2-Ethylhexyl)phthalate | 86 | | 79 | | 40-140 | 8 | | 50 |
| Butyl benzyl phthalate | 88 | | 81 | | 40-140 | 8 | | 50 |
| Di-n-butylphthalate | 86 | | 79 | | 40-140 | 8 | | 50 |
| Di-n-octylphthalate | 89 | | 83 | | 40-140 | 7 | | 50 |
| Diethyl phthalate | 80 | | 76 | | 40-140 | 5 | | 50 |
| Dimethyl phthalate | 80 | | 74 | | 40-140 | 8 | | 50 |
| Benzo(a)anthracene | 79 | | 74 | | 40-140 | 7 | | 50 |
| Benzo(a)pyrene | 79 | | 75 | | 40-140 | 5 | | 50 |
| Benzo(b)fluoranthene | 78 | | 73 | | 40-140 | 7 | | 50 |
| Benzo(k)fluoranthene | 81 | | 75 | | 40-140 | 8 | | 50 |
| Chrysene | 80 | | 74 | | 40-140 | 8 | | 50 |
| Acenaphthylene | 79 | | 75 | | 40-140 | 5 | | 50 |
| Anthracene | 80 | | 75 | | 40-140 | 6 | | 50 |
| Benzo(ghi)perylene | 82 | | 76 | | 40-140 | 8 | | 50 |
| Fluorene | 79 | | 75 | | 40-140 | 5 | | 50 |
| Phenanthrene | 78 | | 74 | | 40-140 | 5 | | 50 |
| Dibenzo(a,h)anthracene | 82 | | 74 | | 40-140 | 10 | | 50 |
| Indeno(1,2,3-cd)Pyrene | 84 | | 75 | | 40-140 | 11 | | 50 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG773285-2 WG773285-3 | | | | | | | | |
| Pyrene | 84 | | 80 | | 35-142 | 5 | | 50 |
| Biphenyl | 81 | | 77 | | 54-104 | 5 | | 50 |
| 4-Chloroaniline | 91 | | 88 | | 40-140 | 3 | | 50 |
| 2-Nitroaniline | 82 | | 77 | | 47-134 | 6 | | 50 |
| 3-Nitroaniline | 65 | | 62 | | 26-129 | 5 | | 50 |
| 4-Nitroaniline | 82 | | 76 | | 41-125 | 8 | | 50 |
| Dibenzofuran | 80 | | 75 | | 40-140 | 6 | | 50 |
| 2-Methylnaphthalene | 78 | | 72 | | 40-140 | 8 | | 50 |
| 1,2,4,5-Tetrachlorobenzene | 76 | | 75 | | 40-117 | 1 | | 50 |
| Acetophenone | 80 | | 76 | | 14-144 | 5 | | 50 |
| 2,4,6-Trichlorophenol | 79 | | 74 | | 30-130 | 7 | | 50 |
| P-Chloro-M-Cresol | 84 | | 80 | | 26-103 | 5 | | 50 |
| 2-Chlorophenol | 75 | | 71 | | 25-102 | 5 | | 50 |
| 2,4-Dichlorophenol | 83 | | 78 | | 30-130 | 6 | | 50 |
| 2,4-Dimethylphenol | 84 | | 77 | | 30-130 | 9 | | 50 |
| 2-Nitrophenol | 79 | | 73 | | 30-130 | 8 | | 50 |
| 4-Nitrophenol | 81 | | 74 | | 11-114 | 9 | | 50 |
| 2,4-Dinitrophenol | 72 | | 57 | | 4-130 | 23 | | 50 |
| 4,6-Dinitro-o-cresol | 74 | | 68 | | 10-130 | 8 | | 50 |
| Pentachlorophenol | 80 | | 72 | | 17-109 | 11 | | 50 |
| Phenol | 74 | | 70 | | 26-90 | 6 | | 50 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 Batch: WG773285-2 WG773285-3 | | | | | | | | |
| 2-Methylphenol | 78 | | 72 | | 30-130. | 8 | | 50 |
| 3-Methylphenol/4-Methylphenol | 85 | | 78 | | 30-130 | 9 | | 50 |
| 2,4,5-Trichlorophenol | 78 | | 75 | | 30-130 | 4 | | 50 |
| Benzoic Acid | 56 | | 42 | | 10-66 | 29 | | 50 |
| Benzyl Alcohol | 79 | | 74 | | 40-140 | 7 | | 50 |
| Carbazole | 80 | | 76 | | 54-128 | 5 | | 50 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 74 | | 71 | | 25-120 |
| Phenol-d6 | 80 | | 74 | | 10-120 |
| Nitrobenzene-d5 | 74 | | 69 | | 23-120 |
| 2-Fluorobiphenyl | 75 | | 68 | | 30-120 |
| 2,4,6-Tribromophenol | 82 | | 75 | | 10-136 |
| 4-Terphenyl-d14 | 82 | | 75 | | 18-120 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG773926-2 WG773926-3 | | | | | | | | |
| Acenaphthene | 80 | | 90 | | 37-111 | 12 | | 30 |
| 1,2,4-Trichlorobenzene | 61 | | 72 | | 39-98 | 17 | | 30 |
| Hexachlorobenzene | 89 | | 98 | | 40-140 | 10 | | 30 |
| Bis(2-chloroethyl)ether | 74 | | 82 | | 40-140 | 10 | | 30 |
| 2-Chloronaphthalene | 78 | | 89 | | 40-140 | 13 | | 30 |
| 1,2-Dichlorobenzene | 58 | | 68 | | 40-140 | 16 | | 30 |
| 1,3-Dichlorobenzene | 54 | | 64 | | 40-140 | 17 | | 30 |
| 1,4-Dichlorobenzene | 55 | | 65 | | 36-97 | 17 | | 30 |
| 3,3'-Dichlorobenzidine | 87 | | 93 | | 40-140 | 7 | | 30 |
| 2,4-Dinitrotoluene | **106** | Q | **114** | Q | 24-96 | 7 | | 30 |
| 2,6-Dinitrotoluene | 101 | | 108 | | 40-140 | 7 | | 30 |
| Fluoranthene | 95 | | 101 | | 40-140 | 6 | | 30 |
| 4-Chlorophenyl phenyl ether | 86 | | 96 | | 40-140 | 11 | | 30 |
| 4-Bromophenyl phenyl ether | 91 | | 101 | | 40-140 | 10 | | 30 |
| Bis(2-chloroisopropyl)ether | 66 | | 72 | | 40-140 | 9 | | 30 |
| Bis(2-chloroethoxy)methane | 77 | | 86 | | 40-140 | 11 | | 30 |
| Hexachlorobutadiene | 56 | | 68 | | 40-140 | 19 | | 30 |
| Hexachlorocyclopentadiene | 69 | | 84 | | 40-140 | 20 | | 30 |
| Hexachloroethane | 51 | | 62 | | 40-140 | 19 | | 30 |
| Isophorone | 83 | | 92 | | 40-140 | 10 | | 30 |
| Naphthalene | 69 | | 77 | | 40-140 | 11 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG773926-2 WG773926-3 | | | | | | | | |
| Nitrobenzene | 61 | | 67 | | 40-140 | 9 | | 30 |
| NitrosoDiPhenylAmine(NDPA)/DPA | 92 | | 100 | | 40-140 | 8 | | 30 |
| n-Nitrosodi-n-propylamine | 77 | | 86 | | 29-132 | 11 | | 30 |
| Bis(2-Ethylhexyl)phthalate | 106 | | 115 | | 40-140 | 8 | | 30 |
| Butyl benzyl phthalate | 103 | | 111 | | 40-140 | 7 | | 30 |
| Di-n-butylphthalate | 102 | | 109 | | 40-140 | 7 | | 30 |
| Di-n-octylphthalate | 112 | | 124 | | 40-140 | 10 | | 30 |
| Diethyl phthalate | 94 | | 104 | | 40-140 | 10 | | 30 |
| Dimethyl phthalate | 94 | | 102 | | 40-140 | 8 | | 30 |
| Benzo(a)anthracene | 93 | | 100 | | 40-140 | 7 | | 30 |
| Benzo(a)pyrene | 93 | | 100 | | 40-140 | 7 | | 30 |
| Benzo(b)fluoranthene | 92 | | 97 | | 40-140 | 5 | | 30 |
| Benzo(k)fluoranthene | 92 | | 99 | | 40-140 | 7 | | 30 |
| Chrysene | 92 | | 98 | | 40-140 | 6 | | 30 |
| Acenaphthylene | 89 | | 99 | | 45-123 | 11 | | 30 |
| Anthracene | 96 | | 104 | | 40-140 | 8 | | 30 |
| Benzo(ghi)perylene | 89 | | 96 | | 40-140 | 8 | | 30 |
| Fluorene | 89 | | 99 | | 40-140 | 11 | | 30 |
| Phenanthrene | 92 | | 98 | | 40-140 | 6 | | 30 |
| Dibenzo(a,h)anthracene | 90 | | 98 | | 40-140 | 9 | | 30 |
| Indeno(1,2,3-cd)Pyrene | 87 | | 94 | | 40-140 | 8 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG773926-2 WG773926-3 | | | | | | | | |
| Pyrene | 94 | | 100 | | 26-127 | 6 | | 30 |
| Biphenyl | 77 | | 89 | | 54-104 | 14 | | 30 |
| 4-Chloroaniline | 80 | | 89 | | 40-140 | 11 | | 30 |
| 2-Nitroaniline | 101 | | 108 | | 52-143 | 7 | | 30 |
| 3-Nitroaniline | 87 | | 90 | | 25-145 | 3 | | 30 |
| 4-Nitroaniline | 96 | | 104 | | 51-143 | 8 | | 30 |
| Dibenzofuran | 86 | | 96 | | 40-140 | 11 | | 30 |
| 2-Methylnaphthalene | 53 | | 62 | | 40-140 | 16 | | 30 |
| 1,2,4,5-Tetrachlorobenzene | 69 | | 82 | | 2-134 | 17 | | 30 |
| Acetophenone | 85 | | 94 | | 39-129 | 10 | | 30 |
| 2,4,6-Trichlorophenol | 97 | | 104 | | 30-130 | 7 | | 30 |
| P-Chloro-M-Cresol | 92 | | **100** | Q | 23-97 | 8 | | 30 |
| 2-Chlorophenol | 82 | | 91 | | 27-123 | 10 | | 30 |
| 2,4-Dichlorophenol | 90 | | 99 | | 30-130 | 10 | | 30 |
| 2,4-Dimethylphenol | 89 | | 98 | | 30-130 | 10 | | 30 |
| 2-Nitrophenol | 90 | | 99 | | 30-130 | 10 | | 30 |
| 4-Nitrophenol | 64 | | 70 | | 10-80 | 9 | | 30 |
| 2,4-Dinitrophenol | 83 | | 94 | | 20-130 | 12 | | 30 |
| 4,6-Dinitro-o-cresol | 94 | | 104 | | 20-164 | 10 | | 30 |
| Pentachlorophenol | 101 | | **109** | Q | 9-103 | 8 | | 30 |
| Phenol | 49 | | 54 | | 12-110 | 10 | | 30 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG773926-2 WG773926-3 | | | | | | | | |
| 2-Methylphenol | 80 | | 88 | | 30-130 | 10 | | 30 |
| 3-Methylphenol/4-Methylphenol | 85 | | 94 | | 30-130 | 10 | | 30 |
| 2,4,5-Trichlorophenol | 100 | | 106 | | 30-130 | 6 | | 30 |
| Benzoic Acid | 32 | | 21 | | 10-110 | **42** | Q | 30 |
| Benzyl Alcohol | 74 | | 81 | | 15-110 | 9 | | 30 |
| Carbazole | 94 | | 102 | | 55-144 | 8 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|---|---|---|---|---|---|
| 2-Fluorophenol | 67 | | 67 | | 21-120 |
| Phenol-d6 | 46 | | 51 | | 10-120 |
| Nitrobenzene-d5 | 79 | | 87 | | 23-120 |
| 2-Fluorobiphenyl | 87 | | 94 | | 15-120 |
| 2,4,6-Tribromophenol | 96 | | 103 | | 10-120 |
| 4-Terphenyl-d14 | 93 | | 99 | | 41-149 |

# PCBS

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-01 | Date Collected: | 03/30/15 11:46 |
| Client ID: | SB-1 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/03/15 01:57 |
| Analytical Date: | 04/03/15 16:07 | Cleanup Method: | EPA 3665A |
| Analyst: | JW | Cleanup Date: | 04/03/15 |
| Percent Solids: | 87% | Cleanup Method: | EPA 3660B |
| | | Cleanup Date: | 04/03/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.7 | 2.90 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.7 | 3.38 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.7 | 4.30 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.7 | 4.49 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.7 | 3.10 | 1 | A |
| Aroclor 1254 | 14.5 | J | ug/kg | 36.7 | 3.02 | 1 | B |
| Aroclor 1260 | 8.66 | J | ug/kg | 36.7 | 2.80 | 1 | B |
| Aroclor 1262 | ND | | ug/kg | 36.7 | 1.82 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.7 | 5.32 | 1 | A |
| PCBs, Total | 23.2 | J | ug/kg | 36.7 | 1.82 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | A |
| Decachlorobiphenyl | 83 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 79 | | 30-150 | B |
| Decachlorobiphenyl | 100 | | 30-150 | B |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-02 | Date Collected: | 03/30/15 12:15 |
| Client ID: | SB-1 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/03/15 01:57 |
| Analytical Date: | 04/03/15 16:23 | Cleanup Method: | EPA 3665A |
| Analyst: | JT | Cleanup Date: | 04/03/15 |
| Percent Solids: | 91% | Cleanup Method: | EPA 3660B |
| | | Cleanup Date: | 04/03/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.1 | 2.86 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.1 | 3.33 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.1 | 4.24 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.1 | 4.42 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.1 | 3.05 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 36.1 | 2.97 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 36.1 | 2.75 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 36.1 | 1.79 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.1 | 5.24 | 1 | A |
| PCBs, Total | ND | | ug/kg | 36.1 | 1.79 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **25** | Q | 30-150 | A |
| Decachlorobiphenyl | **23** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **27** | Q | 30-150 | B |
| Decachlorobiphenyl | 31 | | 30-150 | B |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1506286-02 | RE | Date Collected: | 03/30/15 12:15 |
| Client ID: | SB-1 (14.5-15.0) | | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | | Extraction Date: | 04/07/15 10:19 |
| Analytical Date: | 04/07/15 15:23 | | Cleanup Method: | EPA 3665A |
| Analyst: | JT | | Cleanup Date: | 04/07/15 |
| Percent Solids: | 91% | | Cleanup Method: | EPA 3660B |
| | | | Cleanup Date: | 04/07/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.4 | 2.88 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.4 | 3.36 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.4 | 4.27 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.4 | 4.46 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.4 | 3.07 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 36.4 | 2.99 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 36.4 | 2.78 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 36.4 | 1.81 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.4 | 5.28 | 1 | A |
| PCBs, Total | ND | | ug/kg | 36.4 | 1.81 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **7** | Q | 30-150 | A |
| Decachlorobiphenyl | **6** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **10** | Q | 30-150 | B |
| Decachlorobiphenyl | **9** | Q | 30-150 | B |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-03 | Date Collected: | 03/30/15 10:42 |
| Client ID: | SB-2 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/03/15 01:57 |
| Analytical Date: | 04/03/15 16:40 | Cleanup Method: | EPA 3665A |
| Analyst: | JW | Cleanup Date: | 04/03/15 |
| Percent Solids: | 89% | Cleanup Method: | EPA 3660B |
| | | Cleanup Date: | 04/03/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.5 | 2.88 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.5 | 3.36 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.5 | 4.28 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.5 | 4.47 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.5 | 3.08 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 36.5 | 3.00 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 36.5 | 2.78 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 36.5 | 1.81 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.5 | 5.29 | 1 | A |
| PCBs, Total | ND | | ug/kg | 36.5 | 1.81 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | A |
| Decachlorobiphenyl | 62 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | B |
| Decachlorobiphenyl | 83 | | 30-150 | B |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-04 | Date Collected: | 03/30/15 10:58 |
| Client ID: | SB-2 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/03/15 01:57 |
| Analytical Date: | 04/03/15 16:57 | Cleanup Method: | EPA 3665A |
| Analyst: | JW | Cleanup Date: | 04/03/15 |
| Percent Solids: | 89% | Cleanup Method: | EPA 3660B |
| | | Cleanup Date: | 04/03/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.9 | 2.92 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.9 | 3.40 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.9 | 4.32 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.9 | 4.52 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.9 | 3.12 | 1 | A |
| Aroclor 1254 | 24.5 | J | ug/kg | 36.9 | 3.03 | 1 | B |
| Aroclor 1260 | 76.5 | | ug/kg | 36.9 | 2.81 | 1 | B |
| Aroclor 1262 | ND | | ug/kg | 36.9 | 1.83 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.9 | 5.35 | 1 | A |
| PCBs, Total | 101 | J | ug/kg | 36.9 | 1.83 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 | A |
| Decachlorobiphenyl | 42 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 | B |
| Decachlorobiphenyl | 60 | | 30-150 | B |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-05 | Date Collected: | 03/30/15 11:07 |
| Client ID: | SB-3 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/03/15 01:57 |
| Analytical Date: | 04/03/15 17:13 | Cleanup Method: | EPA 3665A |
| Analyst: | JW | Cleanup Date: | 04/03/15 |
| Percent Solids: | 89% | Cleanup Method: | EPA 3660B |
| | | Cleanup Date: | 04/03/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.1 | 2.85 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.1 | 3.33 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.1 | 4.23 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.1 | 4.42 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.1 | 3.05 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 36.1 | 2.97 | 1 | A |
| Aroclor 1260 | 359 | | ug/kg | 36.1 | 2.75 | 1 | B |
| Aroclor 1262 | ND | | ug/kg | 36.1 | 1.79 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.1 | 5.24 | 1 | A |
| PCBs, Total | 359 | | ug/kg | 36.1 | 1.79 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 36 | | 30-150 | A |
| Decachlorobiphenyl | 32 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 38 | | 30-150 | B |
| Decachlorobiphenyl | 40 | | 30-150 | B |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-06 | Date Collected: | 03/30/15 11:53 |
| Client ID: | SB-3 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/03/15 01:57 |
| Analytical Date: | 04/03/15 17:30 | Cleanup Method: | EPA 3665A |
| Analyst: | JW | Cleanup Date: | 04/03/15 |
| Percent Solids: | 92% | Cleanup Method: | EPA 3660B |
| | | Cleanup Date: | 04/03/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 34.6 | 2.74 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 34.6 | 3.19 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 34.6 | 4.06 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 34.6 | 4.24 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 34.6 | 2.92 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 34.6 | 2.84 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 34.6 | 2.64 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 34.6 | 1.72 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 34.6 | 5.02 | 1 | A |
| PCBs, Total | ND | | ug/kg | 34.6 | 1.72 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | A |
| Decachlorobiphenyl | 59 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | B |
| Decachlorobiphenyl | 75 | | 30-150 | B |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-07 | Date Collected: | 03/30/15 09:31 |
| Client ID: | SB-4 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/03/15 01:57 |
| Analytical Date: | 04/03/15 18:28 | Cleanup Method: | EPA 3665A |
| Analyst: | JW | Cleanup Date: | 04/03/15 |
| Percent Solids: | 87% | Cleanup Method: | EPA 3660B |
| | | Cleanup Date: | 04/03/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.0 | 2.85 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.0 | 3.32 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.0 | 4.23 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.0 | 4.41 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.0 | 3.04 | 1 | A |
| Aroclor 1254 | 9.71 | J | ug/kg | 36.0 | 2.96 | 1 | B |
| Aroclor 1260 | ND | | ug/kg | 36.0 | 2.75 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 36.0 | 1.79 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.0 | 5.23 | 1 | A |
| PCBs, Total | 9.71 | J | ug/kg | 36.0 | 1.79 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 47 | | 30-150 | A |
| Decachlorobiphenyl | 46 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 48 | | 30-150 | B |
| Decachlorobiphenyl | 60 | | 30-150 | B |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-08 | Date Collected: | 03/30/15 09:55 |
| Client ID: | SB-4 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/03/15 01:57 |
| Analytical Date: | 04/03/15 18:44 | Cleanup Method: | EPA 3665A |
| Analyst: | JW | Cleanup Date: | 04/03/15 |
| Percent Solids: | 87% | Cleanup Method: | EPA 3660B |
| | | Cleanup Date: | 04/03/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.6 | 2.89 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.6 | 3.37 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.6 | 4.29 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.6 | 4.48 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.6 | 3.09 | 1 | A |
| Aroclor 1254 | 26.9 | J | ug/kg | 36.6 | 3.01 | 1 | B |
| Aroclor 1260 | 8.06 | J | ug/kg | 36.6 | 2.79 | 1 | B |
| Aroclor 1262 | ND | | ug/kg | 36.6 | 1.81 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.6 | 5.30 | 1 | A |
| PCBs, Total | 35.0 | J | ug/kg | 36.6 | 1.81 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 45 | | 30-150 | A |
| Decachlorobiphenyl | 44 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 48 | | 30-150 | B |
| Decachlorobiphenyl | 61 | | 30-150 | B |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-09 | Date Collected: | 03/30/15 10:10 |
| Client ID: | SB-5 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/03/15 01:57 |
| Analytical Date: | 04/06/15 13:17 | Cleanup Method: | EPA 3665A |
| Analyst: | JT | Cleanup Date: | 04/03/15 |
| Percent Solids: | 87% | Cleanup Method: | EPA 3660B |
| | | Cleanup Date: | 04/03/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.0 | 2.92 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 37.0 | 3.41 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 37.0 | 4.34 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 37.0 | 4.53 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 37.0 | 3.12 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 37.0 | 3.04 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 37.0 | 2.82 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 37.0 | 1.84 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 37.0 | 5.37 | 1 | A |
| PCBs, Total | ND | | ug/kg | 37.0 | 1.84 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **29** | Q | 30-150 | A |
| Decachlorobiphenyl | **24** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **28** | Q | 30-150 | B |
| Decachlorobiphenyl | **27** | Q | 30-150 | B |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1506286-09 | RE | Date Collected: | 03/30/15 10:10 |
| Client ID: | SB-5 (1.5-2.0) | | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | | Field Prep: | Not Specified |
| Matrix: | Soil | | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | | Extraction Date: | 04/07/15 10:19 |
| Analytical Date: | 04/07/15 15:37 | | Cleanup Method: | EPA 3665A |
| Analyst: | JT | | Cleanup Date: | 04/07/15 |
| Percent Solids: | 87% | | Cleanup Method: | EPA 3660B |
| | | | Cleanup Date: | 04/07/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 37.9 | 3.00 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 37.9 | 3.50 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 37.9 | 4.44 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 37.9 | 4.64 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 37.9 | 3.20 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 37.9 | 3.12 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 37.9 | 2.89 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 37.9 | 1.88 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 37.9 | 5.50 | 1 | A |
| PCBs, Total | ND | | ug/kg | 37.9 | 1.88 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | **6** | Q | 30-150 | A |
| Decachlorobiphenyl | **4** | Q | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **7** | Q | 30-150 | B |
| Decachlorobiphenyl | **5** | Q | 30-150 | B |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-10 | Date Collected: | 03/30/15 10:14 |
| Client ID: | SB-5 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/03/15 01:57 |
| Analytical Date: | 04/06/15 13:32 | Cleanup Method: | EPA 3665A |
| Analyst: | JW | Cleanup Date: | 04/03/15 |
| Percent Solids: | 92% | Cleanup Method: | EPA 3660B |
| | | Cleanup Date: | 04/03/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.5 | 2.80 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 35.5 | 3.27 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 35.5 | 4.16 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 35.5 | 4.34 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 35.5 | 2.99 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 35.5 | 2.92 | 1 | A |
| Aroclor 1260 | 43.4 | | ug/kg | 35.5 | 2.70 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 35.5 | 1.76 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 35.5 | 5.14 | 1 | A |
| PCBs, Total | 43.4 | | ug/kg | 35.5 | 1.76 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 39 | | 30-150 | A |
| Decachlorobiphenyl | 42 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | **21** | Q | 30-150 | B |
| Decachlorobiphenyl | 31 | | 30-150 | B |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-11 | Date Collected: | 03/30/15 08:34 |
| Client ID: | SB-6 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/03/15 01:57 |
| Analytical Date: | 04/03/15 19:34 | Cleanup Method: | EPA 3665A |
| Analyst: | JW | Cleanup Date: | 04/03/15 |
| Percent Solids: | 87% | Cleanup Method: | EPA 3660B |
| | | Cleanup Date: | 04/03/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 36.2 | 2.86 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 36.2 | 3.33 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 36.2 | 4.24 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 36.2 | 4.43 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 36.2 | 3.05 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 36.2 | 2.97 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 36.2 | 2.76 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 36.2 | 1.79 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 36.2 | 5.24 | 1 | A |
| PCBs, Total | ND | | ug/kg | 36.2 | 1.79 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 45 | | 30-150 | A |
| Decachlorobiphenyl | 39 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 50 | | 30-150 | B |
| Decachlorobiphenyl | 52 | | 30-150 | B |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-12 | Date Collected: | 03/30/15 08:42 |
| Client ID: | SB-6 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/03/15 01:57 |
| Analytical Date: | 04/03/15 19:51 | Cleanup Method: | EPA 3665A |
| Analyst: | JW | Cleanup Date: | 04/03/15 |
| Percent Solids: | 85% | Cleanup Method: | EPA 3660B |
| | | Cleanup Date: | 04/03/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.0 | 3.00 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 38.0 | 3.50 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 38.0 | 4.45 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 38.0 | 4.65 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 38.0 | 3.21 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 38.0 | 3.12 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 38.0 | 2.90 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 38.0 | 1.88 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 38.0 | 5.51 | 1 | A |
| PCBs, Total | ND | | ug/kg | 38.0 | 1.88 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 48 | | 30-150 | A |
| Decachlorobiphenyl | 44 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 53 | | 30-150 | B |
| Decachlorobiphenyl | 52 | | 30-150 | B |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-13 | Date Collected: | 03/30/15 08:58 |
| Client ID: | SB-7 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/03/15 01:57 |
| Analytical Date: | 04/03/15 20:08 | Cleanup Method: | EPA 3665A |
| Analyst: | JW | Cleanup Date: | 04/03/15 |
| Percent Solids: | 88% | Cleanup Method: | EPA 3660B |
| | | Cleanup Date: | 04/03/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 35.7 | 2.82 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 35.7 | 3.29 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 35.7 | 4.18 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 35.7 | 4.37 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 35.7 | 3.01 | 1 | A |
| Aroclor 1254 | ND | | ug/kg | 35.7 | 2.93 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 35.7 | 2.72 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 35.7 | 1.77 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 35.7 | 5.17 | 1 | A |
| PCBs, Total | ND | | ug/kg | 35.7 | 1.77 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 | A |
| Decachlorobiphenyl | 62 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | B |
| Decachlorobiphenyl | 75 | | 30-150 | B |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-14 | Date Collected: | 03/30/15 09:10 |
| Client ID: | SB-7 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8082A | Extraction Date: | 04/03/15 01:57 |
| Analytical Date: | 04/03/15 20:24 | Cleanup Method: | EPA 3665A |
| Analyst: | JW | Cleanup Date: | 04/03/15 |
| Percent Solids: | 85% | Cleanup Method: | EPA 3660B |
| | | Cleanup Date: | 04/03/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 38.3 | 3.02 | 1 | A |
| Aroclor 1221 | ND | | ug/kg | 38.3 | 3.53 | 1 | A |
| Aroclor 1232 | ND | | ug/kg | 38.3 | 4.49 | 1 | A |
| Aroclor 1242 | ND | | ug/kg | 38.3 | 4.69 | 1 | A |
| Aroclor 1248 | ND | | ug/kg | 38.3 | 3.23 | 1 | A |
| Aroclor 1254 | 11.0 | J | ug/kg | 38.3 | 3.15 | 1 | A |
| Aroclor 1260 | ND | | ug/kg | 38.3 | 2.92 | 1 | A |
| Aroclor 1262 | ND | | ug/kg | 38.3 | 1.90 | 1 | A |
| Aroclor 1268 | ND | | ug/kg | 38.3 | 5.55 | 1 | A |
| PCBs, Total | 11.0 | J | ug/kg | 38.3 | 1.90 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | A |
| Decachlorobiphenyl | 68 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 71 | | 30-150 | B |
| Decachlorobiphenyl | 84 | | 30-150 | B |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | |
|---|---|
| Lab ID: | L1506286-15 |
| Client ID: | TW-2 |
| Sample Location: | BRONX, NY |
| Matrix: | Water |
| Analytical Method: | 1,8082A |
| Analytical Date: | 04/03/15 11:17 |
| Analyst: | JT |

| | |
|---|---|
| Date Collected: | 03/30/15 14:37 |
| Date Received: | 03/31/15 |
| Field Prep: | Field Filtered (Metals) |
| Extraction Method: | EPA 3510C |
| Extraction Date: | 04/02/15 16:54 |
| Cleanup Method: | EPA 3665A |
| Cleanup Date: | 04/02/15 |
| Cleanup Method: | EPA 3660B |
| Cleanup Date: | 04/02/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.055 | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.053 | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.031 | 1 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.060 | 1 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.051 | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | 1 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.029 | 1 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.038 | 1 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.029 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 | B |
| Decachlorobiphenyl | 47 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 | A |
| Decachlorobiphenyl | 45 | | 30-150 | A |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | |
|---|---|
| Lab ID: | L1506286-16 |
| Client ID: | TW-3 |
| Sample Location: | BRONX, NY |
| Matrix: | Water |
| Analytical Method: | 1,8082A |
| Analytical Date: | 04/03/15 11:31 |
| Analyst: | JT |

| | |
|---|---|
| Date Collected: | 03/30/15 15:34 |
| Date Received: | 03/31/15 |
| Field Prep: | Field Filtered (Metals) |
| Extraction Method: | EPA 3510C |
| Extraction Date: | 04/02/15 16:54 |
| Cleanup Method: | EPA 3665A |
| Cleanup Date: | 04/02/15 |
| Cleanup Method: | EPA 3660B |
| Cleanup Date: | 04/02/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.055 | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.053 | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.031 | 1 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.060 | 1 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.051 | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | 1 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.029 | 1 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.038 | 1 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.029 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 | B |
| Decachlorobiphenyl | 52 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 58 | | 30-150 | A |
| Decachlorobiphenyl | 48 | | 30-150 | A |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-17 | Date Collected: | 03/30/15 16:40 |
| Client ID: | FIELD BLANK (033015) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8082A | Extraction Date: | 04/02/15 16:54 |
| Analytical Date: | 04/03/15 11:45 | Cleanup Method: | EPA 3665A |
| Analyst: | JT | Cleanup Date: | 04/02/15 |
| | | Cleanup Method: | EPA 3660B |
| | | Cleanup Date: | 04/02/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.055 | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.053 | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.031 | 1 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.060 | 1 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.051 | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | 1 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.029 | 1 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.038 | 1 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.029 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 | B |
| Decachlorobiphenyl | 51 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 | A |
| Decachlorobiphenyl | 46 | | 30-150 | A |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-18 | Date Collected: | 03/30/15 08:00 |
| Client ID: | FBW (033015) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8082A | Extraction Date: | 04/02/15 16:54 |
| Analytical Date: | 04/03/15 11:59 | Cleanup Method: | EPA 3665A |
| Analyst: | JT | Cleanup Date: | 04/02/15 |
| | | Cleanup Method: | EPA 3660B |
| | | Cleanup Date: | 04/02/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab | | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.055 | 1 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.053 | 1 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.031 | 1 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.060 | 1 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.051 | 1 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.034 | 1 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | 1 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.029 | 1 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.038 | 1 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.029 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 | B |
| Decachlorobiphenyl | 48 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | A |
| Decachlorobiphenyl | 44 | | 30-150 | A |

**Project Name:** LANDING RD. BRONX

**Project Number:** 12.0076232.20

**Lab Number:** L1506286

**Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/03/15 12:55
Analyst: JT

Extraction Method: EPA 3510C
Extraction Date: 04/02/15 16:54
Cleanup Method: EPA 3665A
Cleanup Date: 04/02/15
Cleanup Method: EPA 3660B
Cleanup Date: 04/02/15

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 15-18 Batch: WG773046-1 | | | | | | |
| Aroclor 1016 | ND | | ug/l | 0.083 | 0.055 | A |
| Aroclor 1221 | ND | | ug/l | 0.083 | 0.053 | A |
| Aroclor 1232 | ND | | ug/l | 0.083 | 0.031 | A |
| Aroclor 1242 | ND | | ug/l | 0.083 | 0.060 | A |
| Aroclor 1248 | ND | | ug/l | 0.083 | 0.051 | A |
| Aroclor 1254 | ND | | ug/l | 0.083 | 0.034 | A |
| Aroclor 1260 | ND | | ug/l | 0.083 | 0.032 | A |
| Aroclor 1262 | ND | | ug/l | 0.083 | 0.029 | A |
| Aroclor 1268 | ND | | ug/l | 0.083 | 0.038 | A |
| PCBs, Total | ND | | ug/l | 0.083 | 0.029 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 59 | | 30-150 | B |
| Decachlorobiphenyl | 56 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 56 | | 30-150 | A |
| Decachlorobiphenyl | 52 | | 30-150 | A |

**Project Name:** LANDING RD. BRONX

**Project Number:** 12.0076232.20

**Lab Number:** L1506286

**Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/03/15 15:17
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 04/03/15 01:57
Cleanup Method: EPA 3665A
Cleanup Date: 04/03/15
Cleanup Method: EPA 3660B
Cleanup Date: 04/03/15

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03-08,10-14 Batch: WG773138-1 | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 32.5 | 2.57 | A |
| Aroclor 1221 | ND | | ug/kg | 32.5 | 3.00 | A |
| Aroclor 1232 | ND | | ug/kg | 32.5 | 3.81 | A |
| Aroclor 1242 | ND | | ug/kg | 32.5 | 3.98 | A |
| Aroclor 1248 | ND | | ug/kg | 32.5 | 2.74 | A |
| Aroclor 1254 | ND | | ug/kg | 32.5 | 2.67 | A |
| Aroclor 1260 | ND | | ug/kg | 32.5 | 2.48 | A |
| Aroclor 1262 | ND | | ug/kg | 32.5 | 1.61 | A |
| Aroclor 1268 | ND | | ug/kg | 32.5 | 4.71 | A |
| PCBs, Total | ND | | ug/kg | 32.5 | 1.61 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 | A |
| Decachlorobiphenyl | 78 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 78 | | 30-150 | B |
| Decachlorobiphenyl | 85 | | 30-150 | B |

**Project Name:** LANDING RD. BRONX

**Project Number:** 12.0076232.20

**Lab Number:** L1506286

**Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/07/15 16:19
Analyst: JT

Extraction Method: EPA 3546
Extraction Date: 04/07/15 10:19
Cleanup Method: EPA 3665A
Cleanup Date: 04/07/15
Cleanup Method: EPA 3660B
Cleanup Date: 04/07/15

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,09 Batch: WG773957-1 | | | | | | |
| Aroclor 1016 | ND | | ug/kg | 31.7 | 2.51 | A |
| Aroclor 1221 | ND | | ug/kg | 31.7 | 2.93 | A |
| Aroclor 1232 | ND | | ug/kg | 31.7 | 3.72 | A |
| Aroclor 1242 | ND | | ug/kg | 31.7 | 3.88 | A |
| Aroclor 1248 | ND | | ug/kg | 31.7 | 2.68 | A |
| Aroclor 1254 | ND | | ug/kg | 31.7 | 2.61 | A |
| Aroclor 1260 | ND | | ug/kg | 31.7 | 2.42 | A |
| Aroclor 1262 | ND | | ug/kg | 31.7 | 1.57 | A |
| Aroclor 1268 | ND | | ug/kg | 31.7 | 4.60 | A |
| PCBs, Total | ND | | ug/kg | 31.7 | 1.57 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 45 | | 30-150 | A |
| Decachlorobiphenyl | 37 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 48 | | 30-150 | B |
| Decachlorobiphenyl | 45 | | 30-150 | B |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 15-18 Batch: WG773046-2 WG773046-3 | | | | | | | | | |
| Aroclor 1016 | 69 | | 66 | | 40-140 | 4 | | 50 | A |
| Aroclor 1260 | 60 | | 58 | | 40-140 | 3 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 57 | | 30-150 | B |
| Decachlorobiphenyl | 60 | | 57 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 62 | | 56 | | 30-150 | A |
| Decachlorobiphenyl | 57 | | 57 | | 30-150 | A |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03-08,10-14 Batch: WG773138-2 WG773138-3 | | | | | | | | | |
| Aroclor 1016 | 85 | | 91 | | 40-140 | 7 | | 50 | A |
| Aroclor 1260 | 98 | | 101 | | 40-140 | 3 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 82 | | 30-150 | A |
| Decachlorobiphenyl | 82 | | 85 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | | 87 | | 30-150 | B |
| Decachlorobiphenyl | 93 | | 96 | | 30-150 | B |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,09 Batch: WG773957-2 WG773957-3 | | | | | | | | | |
| Aroclor 1016 | 60 | | 40 | | 40-140 | 40 | | 50 | A |
| Aroclor 1260 | 63 | | 52 | | 40-140 | 19 | | 50 | A |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 54 | | 43 | | 30-150 | A |
| Decachlorobiphenyl | 85 | | 76 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 44 | | 40 | | 30-150 | B |
| Decachlorobiphenyl | 62 | | 63 | | 30-150 | B |

# PESTICIDES

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-01 | Date Collected: | 03/30/15 11:46 |
| Client ID: | SB-1 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8081B | Extraction Date: | 04/02/15 22:21 |
| Analytical Date: | 04/07/15 01:46 | Cleanup Method: | EPA 3620B |
| Analyst: | SS | Cleanup Date: | 04/03/15 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.82 | 0.356 | 1 | A |
| Lindane | ND | | ug/kg | 0.758 | 0.339 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.758 | 0.215 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.82 | 0.690 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.910 | 0.408 | 1 | A |
| Aldrin | ND | | ug/kg | 1.82 | 0.641 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.41 | 1.02 | 1 | A |
| Endrin | ND | | ug/kg | 0.758 | 0.311 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.82 | 0.468 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.14 | 0.569 | 1 | A |
| 4,4'-DDE | 5.20 | | ug/kg | 1.82 | 0.421 | 1 | A |
| 4,4'-DDD | 13.3 | | ug/kg | 1.82 | 0.649 | 1 | B |
| 4,4'-DDT | 2.46 | J | ug/kg | 3.41 | 1.46 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.82 | 0.430 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.82 | 0.608 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.758 | 0.361 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.41 | 1.06 | 1 | A |
| Toxaphene | ND | | ug/kg | 34.1 | 9.55 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.27 | 0.634 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.27 | 0.600 | 1 | A |
| Chlordane | ND | | ug/kg | 14.8 | 6.03 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | B |
| Decachlorobiphenyl | 80 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 62 | | 30-150 | A |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-02 | Date Collected: | 03/30/15 12:15 |
| Client ID: | SB-1 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8081B | Extraction Date: | 04/02/15 22:21 |
| Analytical Date: | 04/04/15 19:44 | Cleanup Method: | EPA 3620B |
| Analyst: | SS | Cleanup Date: | 04/03/15 |
| Percent Solids: | 91% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.73 | 0.339 | 1 | A |
| Lindane | ND | | ug/kg | 0.721 | 0.322 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.721 | 0.205 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.73 | 0.656 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.866 | 0.388 | 1 | A |
| Aldrin | ND | | ug/kg | 1.73 | 0.610 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.25 | 0.974 | 1 | A |
| Endrin | ND | | ug/kg | 0.721 | 0.296 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.73 | 0.446 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.08 | 0.541 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.73 | 0.400 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.73 | 0.618 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.25 | 1.39 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.73 | 0.409 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.73 | 0.578 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.721 | 0.343 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.25 | 1.01 | 1 | A |
| Toxaphene | ND | | ug/kg | 32.5 | 9.09 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.16 | 0.603 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.16 | 0.571 | 1 | A |
| Chlordane | ND | | ug/kg | 14.1 | 5.74 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 54 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 | A |
| Decachlorobiphenyl | 40 | | 30-150 | A |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-03 | Date Collected: | 03/30/15 10:42 |
| Client ID: | SB-2 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8081B | Extraction Date: | 04/02/15 22:21 |
| Analytical Date: | 04/04/15 19:57 | Cleanup Method: | EPA 3620B |
| Analyst: | SS | Cleanup Date: | 04/03/15 |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.80 | 0.352 | 1 | A |
| Lindane | ND | | ug/kg | 0.749 | 0.335 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.749 | 0.213 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.80 | 0.682 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.899 | 0.403 | 1 | A |
| Aldrin | ND | | ug/kg | 1.80 | 0.633 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.37 | 1.01 | 1 | A |
| Endrin | ND | | ug/kg | 0.749 | 0.307 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.80 | 0.463 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.12 | 0.562 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.80 | 0.416 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.80 | 0.641 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.37 | 1.44 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.80 | 0.425 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.80 | 0.601 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.749 | 0.356 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.37 | 1.05 | 1 | A |
| Toxaphene | ND | | ug/kg | 33.7 | 9.44 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.25 | 0.626 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.25 | 0.593 | 1 | A |
| Chlordane | ND | | ug/kg | 14.6 | 5.95 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | B |
| Decachlorobiphenyl | 47 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 99 | | 30-150 | A |
| Decachlorobiphenyl | 48 | | 30-150 | A |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-04 | Date Collected: | 03/30/15 10:58 |
| Client ID: | SB-2 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8081B | Extraction Date: | 04/02/15 22:21 |
| Analytical Date: | 04/04/15 20:11 | Cleanup Method: | EPA 3620B |
| Analyst: | SS | Cleanup Date: | 04/03/15 |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.80 | 0.352 | 1 | A |
| Lindane | ND | | ug/kg | 0.748 | 0.334 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.748 | 0.212 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.80 | 0.681 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.898 | 0.403 | 1 | A |
| Aldrin | ND | | ug/kg | 1.80 | 0.632 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.37 | 1.01 | 1 | A |
| Endrin | ND | | ug/kg | 0.748 | 0.307 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.80 | 0.462 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.12 | 0.561 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.80 | 0.415 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.80 | 0.641 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.37 | 1.44 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.80 | 0.424 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.80 | 0.600 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.748 | 0.356 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.37 | 1.05 | 1 | A |
| Toxaphene | ND | | ug/kg | 33.7 | 9.43 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.24 | 0.626 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.24 | 0.593 | 1 | A |
| Chlordane | ND | | ug/kg | 14.6 | 5.95 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 75 | | 30-150 | B |
| Decachlorobiphenyl | 49 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | A |
| Decachlorobiphenyl | 50 | | 30-150 | A |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-05 | Date Collected: | 03/30/15 11:07 |
| Client ID: | SB-3 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8081B | Extraction Date: | 04/02/15 22:21 |
| Analytical Date: | 04/04/15 20:24 | Cleanup Method: | EPA 3620B |
| Analyst: | SS | Cleanup Date: | 04/03/15 |
| Percent Solids: | 89% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.72 | 0.337 | 1 | A |
| Lindane | ND | | ug/kg | 0.717 | 0.320 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.717 | 0.204 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.72 | 0.653 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.861 | 0.386 | 1 | A |
| Aldrin | ND | | ug/kg | 1.72 | 0.606 | 1 | A |
| Heptachlor epoxide | 2.79 | JPI | ug/kg | 3.23 | 0.968 | 1 | A |
| Endrin | 9.18 | PI | ug/kg | 0.717 | 0.294 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.72 | 0.443 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.08 | 0.538 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.72 | 0.398 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.72 | 0.614 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.23 | 1.38 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.72 | 0.407 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.72 | 0.575 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.717 | 0.341 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.23 | 1.00 | 1 | A |
| Toxaphene | ND | | ug/kg | 32.3 | 9.04 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.15 | 0.600 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.15 | 0.568 | 1 | A |
| Chlordane | ND | | ug/kg | 14.0 | 5.70 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 72 | | 30-150 | B |
| Decachlorobiphenyl | 47 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | A |
| Decachlorobiphenyl | 40 | | 30-150 | A |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-06 | Date Collected: | 03/30/15 11:53 |
| Client ID: | SB-3 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8081B | Extraction Date: | 04/02/15 22:21 |
| Analytical Date: | 04/04/15 20:37 | Cleanup Method: | EPA 3620B |
| Analyst: | SS | Cleanup Date: | 04/03/15 |
| Percent Solids: | 92% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.70 | 0.334 | 1 | A |
| Lindane | ND | | ug/kg | 0.710 | 0.317 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.710 | 0.202 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.70 | 0.646 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.852 | 0.382 | 1 | A |
| Aldrin | ND | | ug/kg | 1.70 | 0.600 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.19 | 0.958 | 1 | A |
| Endrin | ND | | ug/kg | 0.710 | 0.291 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.70 | 0.438 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.06 | 0.532 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.70 | 0.394 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.70 | 0.607 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.19 | 1.37 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.70 | 0.402 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.70 | 0.569 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.710 | 0.338 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.19 | 0.994 | 1 | A |
| Toxaphene | ND | | ug/kg | 31.9 | 8.94 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.13 | 0.593 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.13 | 0.562 | 1 | A |
| Chlordane | ND | | ug/kg | 13.8 | 5.64 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | B |
| Decachlorobiphenyl | 45 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 74 | | 30-150 | A |
| Decachlorobiphenyl | 40 | | 30-150 | A |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-07 | Date Collected: | 03/30/15 09:31 |
| Client ID: | SB-4 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8081B | Extraction Date: | 04/02/15 22:21 |
| Analytical Date: | 04/04/15 20:50 | Cleanup Method: | EPA 3620B |
| Analyst: | SS | Cleanup Date: | 04/03/15 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.79 | 0.350 | 1 | A |
| Lindane | ND | | ug/kg | 0.744 | 0.333 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.744 | 0.211 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.79 | 0.678 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.893 | 0.400 | 1 | A |
| Aldrin | ND | | ug/kg | 1.79 | 0.629 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.35 | 1.00 | 1 | A |
| Endrin | ND | | ug/kg | 0.744 | 0.305 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.79 | 0.460 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.12 | 0.558 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.79 | 0.413 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.79 | 0.637 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.35 | 1.44 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.79 | 0.422 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.79 | 0.597 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.744 | 0.354 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.35 | 1.04 | 1 | A |
| Toxaphene | ND | | ug/kg | 33.5 | 9.38 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.23 | 0.622 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.23 | 0.590 | 1 | A |
| Chlordane | ND | | ug/kg | 14.5 | 5.92 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | B |
| Decachlorobiphenyl | 91 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 112 | | 30-150 | A |
| Decachlorobiphenyl | 80 | | 30-150 | A |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-08 | Date Collected: | 03/30/15 09:55 |
| Client ID: | SB-4 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8081B | Extraction Date: | 04/02/15 22:21 |
| Analytical Date: | 04/04/15 21:03 | Cleanup Method: | EPA 3620B |
| Analyst: | SS | Cleanup Date: | 04/03/15 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.84 | 0.361 | 1 | A |
| Lindane | ND | | ug/kg | 0.767 | 0.343 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.767 | 0.218 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.84 | 0.698 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.921 | 0.413 | 1 | A |
| Aldrin | ND | | ug/kg | 1.84 | 0.648 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.45 | 1.04 | 1 | A |
| Endrin | ND | | ug/kg | 0.767 | 0.315 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.84 | 0.474 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.15 | 0.576 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.84 | 0.426 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.84 | 0.657 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.45 | 1.48 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.84 | 0.435 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.84 | 0.615 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.767 | 0.365 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.45 | 1.07 | 1 | A |
| Toxaphene | ND | | ug/kg | 34.5 | 9.67 | 1 | A |
| cis-Chlordane | 2.24 | J | ug/kg | 2.30 | 0.642 | 1 | A |
| trans-Chlordane | 7.48 | | ug/kg | 2.30 | 0.608 | 1 | A |
| Chlordane | ND | | ug/kg | 15.0 | 6.10 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 88 | | 30-150 | B |
| Decachlorobiphenyl | 58 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 | A |
| Decachlorobiphenyl | 47 | | 30-150 | A |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-09 | Date Collected: | 03/30/15 10:10 |
| Client ID: | SB-5 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8081B | Extraction Date: | 04/02/15 22:21 |
| Analytical Date: | 04/04/15 21:16 | Cleanup Method: | EPA 3620B |
| Analyst: | SS | Cleanup Date: | 04/03/15 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.76 | 0.344 | 1 | A |
| Lindane | ND | | ug/kg | 0.732 | 0.327 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.732 | 0.208 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.76 | 0.666 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.879 | 0.394 | 1 | A |
| Aldrin | ND | | ug/kg | 1.76 | 0.619 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.29 | 0.988 | 1 | A |
| Endrin | ND | | ug/kg | 0.732 | 0.300 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.76 | 0.452 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.10 | 0.549 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.76 | 0.406 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.76 | 0.627 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.29 | 1.41 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.76 | 0.415 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.76 | 0.587 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.732 | 0.348 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.29 | 1.02 | 1 | A |
| Toxaphene | ND | | ug/kg | 32.9 | 9.22 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.20 | 0.612 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.20 | 0.580 | 1 | A |
| Chlordane | ND | | ug/kg | 14.3 | 5.82 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | B |
| Decachlorobiphenyl | 47 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 76 | | 30-150 | A |
| Decachlorobiphenyl | 47 | | 30-150 | A |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-10 | Date Collected: | 03/30/15 10:14 |
| Client ID: | SB-5 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8081B | Extraction Date: | 04/02/15 22:21 |
| Analytical Date: | 04/04/15 21:29 | Cleanup Method: | EPA 3620B |
| Analyst: | SS | Cleanup Date: | 04/03/15 |
| Percent Solids: | 92% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.69 | 0.330 | 1 | A |
| Lindane | ND | | ug/kg | 0.703 | 0.314 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.703 | 0.200 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.69 | 0.640 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.844 | 0.378 | 1 | A |
| Aldrin | ND | | ug/kg | 1.69 | 0.594 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.16 | 0.949 | 1 | A |
| Endrin | ND | | ug/kg | 0.703 | 0.288 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.69 | 0.434 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.05 | 0.527 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.69 | 0.390 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.69 | 0.602 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.16 | 1.36 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.69 | 0.399 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.69 | 0.564 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.703 | 0.335 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.16 | 0.984 | 1 | A |
| Toxaphene | ND | | ug/kg | 31.6 | 8.86 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.11 | 0.588 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.11 | 0.557 | 1 | A |
| Chlordane | ND | | ug/kg | 13.7 | 5.59 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 111 | | 30-150 | B |
| Decachlorobiphenyl | 59 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 109 | | 30-150 | A |
| Decachlorobiphenyl | 46 | | 30-150 | A |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-11 | Date Collected: | 03/30/15 08:34 |
| Client ID: | SB-6 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8081B | Extraction Date: | 04/02/15 22:21 |
| Analytical Date: | 04/04/15 21:42 | Cleanup Method: | EPA 3620B |
| Analyst: | SS | Cleanup Date: | 04/03/15 |
| Percent Solids: | 87% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.79 | 0.350 | 1 | A |
| Lindane | ND | | ug/kg | 0.746 | 0.333 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.746 | 0.212 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.79 | 0.678 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.895 | 0.401 | 1 | A |
| Aldrin | ND | | ug/kg | 1.79 | 0.630 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.36 | 1.01 | 1 | A |
| Endrin | ND | | ug/kg | 0.746 | 0.306 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.79 | 0.461 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.12 | 0.559 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.79 | 0.414 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.79 | 0.638 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.36 | 1.44 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.79 | 0.423 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.79 | 0.598 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.746 | 0.355 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.36 | 1.04 | 1 | A |
| Toxaphene | ND | | ug/kg | 33.6 | 9.40 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.24 | 0.623 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.24 | 0.590 | 1 | A |
| Chlordane | ND | | ug/kg | 14.5 | 5.93 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 86 | | 30-150 | B |
| Decachlorobiphenyl | 61 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 93 | | 30-150 | A |
| Decachlorobiphenyl | 49 | | 30-150 | A |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-12 | Date Collected: | 03/30/15 08:42 |
| Client ID: | SB-6 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8081B | Extraction Date: | 04/02/15 22:21 |
| Analytical Date: | 04/04/15 21:55 | Cleanup Method: | EPA 3620B |
| Analyst: | SS | Cleanup Date: | 04/03/15 |
| Percent Solids: | 85% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.80 | 0.353 | 1 | A |
| Lindane | ND | | ug/kg | 0.750 | 0.335 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.750 | 0.213 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.80 | 0.683 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.900 | 0.404 | 1 | A |
| Aldrin | ND | | ug/kg | 1.80 | 0.634 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.38 | 1.01 | 1 | A |
| Endrin | ND | | ug/kg | 0.750 | 0.308 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.80 | 0.464 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.12 | 0.563 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.80 | 0.416 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.80 | 0.642 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.38 | 1.45 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.80 | 0.425 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.80 | 0.602 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.750 | 0.357 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.38 | 1.05 | 1 | A |
| Toxaphene | ND | | ug/kg | 33.8 | 9.46 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.25 | 0.627 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.25 | 0.594 | 1 | A |
| Chlordane | ND | | ug/kg | 14.6 | 5.96 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 77 | | 30-150 | B |
| Decachlorobiphenyl | 84 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 96 | | 30-150 | A |
| Decachlorobiphenyl | 71 | | 30-150 | A |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-13 | Date Collected: | 03/30/15 08:58 |
| Client ID: | SB-7 (1.5-2.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8081B | Extraction Date: | 04/02/15 22:21 |
| Analytical Date: | 04/04/15 22:08 | Cleanup Method: | EPA 3620B |
| Analyst: | SS | Cleanup Date: | 04/03/15 |
| Percent Solids: | 88% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.78 | 0.349 | 1 | A |
| Lindane | ND | | ug/kg | 0.742 | 0.332 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.742 | 0.211 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.78 | 0.676 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.891 | 0.399 | 1 | A |
| Aldrin | ND | | ug/kg | 1.78 | 0.627 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.34 | 1.00 | 1 | A |
| Endrin | ND | | ug/kg | 0.742 | 0.304 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.78 | 0.459 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.11 | 0.557 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.78 | 0.412 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.78 | 0.636 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.34 | 1.43 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.78 | 0.421 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.78 | 0.595 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.742 | 0.353 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.34 | 1.04 | 1 | A |
| Toxaphene | ND | | ug/kg | 33.4 | 9.36 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.23 | 0.621 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.23 | 0.588 | 1 | A |
| Chlordane | ND | | ug/kg | 14.5 | 5.90 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 30-150 | B |
| Decachlorobiphenyl | 48 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 95 | | 30-150 | A |
| Decachlorobiphenyl | 48 | | 30-150 | A |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-14 | Date Collected: | 03/30/15 09:10 |
| Client ID: | SB-7 (14.5-15.0) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Soil | Extraction Method: | EPA 3546 |
| Analytical Method: | 1,8081B | Extraction Date: | 04/02/15 22:21 |
| Analytical Date: | 04/04/15 22:21 | Cleanup Method: | EPA 3620B |
| Analyst: | SS | Cleanup Date: | 04/03/15 |
| Percent Solids: | 85% | | |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| **Organochlorine Pesticides by GC - Westborough Lab** | | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.84 | 0.360 | 1 | A |
| Lindane | ND | | ug/kg | 0.766 | 0.342 | 1 | A |
| Alpha-BHC | ND | | ug/kg | 0.766 | 0.217 | 1 | A |
| Beta-BHC | ND | | ug/kg | 1.84 | 0.697 | 1 | A |
| Heptachlor | ND | | ug/kg | 0.919 | 0.412 | 1 | A |
| Aldrin | ND | | ug/kg | 1.84 | 0.647 | 1 | A |
| Heptachlor epoxide | ND | | ug/kg | 3.44 | 1.03 | 1 | A |
| Endrin | ND | | ug/kg | 0.766 | 0.314 | 1 | A |
| Endrin ketone | ND | | ug/kg | 1.84 | 0.473 | 1 | A |
| Dieldrin | ND | | ug/kg | 1.15 | 0.574 | 1 | A |
| 4,4'-DDE | ND | | ug/kg | 1.84 | 0.425 | 1 | A |
| 4,4'-DDD | ND | | ug/kg | 1.84 | 0.655 | 1 | A |
| 4,4'-DDT | ND | | ug/kg | 3.44 | 1.48 | 1 | A |
| Endosulfan I | ND | | ug/kg | 1.84 | 0.434 | 1 | A |
| Endosulfan II | ND | | ug/kg | 1.84 | 0.614 | 1 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.766 | 0.364 | 1 | A |
| Methoxychlor | ND | | ug/kg | 3.44 | 1.07 | 1 | A |
| Toxaphene | ND | | ug/kg | 34.4 | 9.65 | 1 | A |
| cis-Chlordane | ND | | ug/kg | 2.30 | 0.640 | 1 | A |
| trans-Chlordane | ND | | ug/kg | 2.30 | 0.606 | 1 | A |
| Chlordane | ND | | ug/kg | 14.9 | 6.09 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 66 | | 30-150 | B |
| Decachlorobiphenyl | 77 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 90 | | 30-150 | A |
| Decachlorobiphenyl | 75 | | 30-150 | A |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-15 | Date Collected: | 03/30/15 14:37 |
| Client ID: | TW-2 | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Field Filtered (Metals) |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8081B | Extraction Date: | 04/03/15 16:17 |
| Analytical Date: | 04/04/15 21:48 | Cleanup Method: | EPA 3620B |
| Analyst: | SS | Cleanup Date: | 04/04/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.020 | 0.005 | 1 | A |
| Lindane | ND | | ug/l | 0.020 | 0.004 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.020 | 0.004 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.020 | 0.006 | 1 | A |
| Heptachlor | ND | | ug/l | 0.020 | 0.003 | 1 | A |
| Aldrin | ND | | ug/l | 0.020 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.020 | 0.004 | 1 | A |
| Endrin | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| Endrin aldehyde | ND | | ug/l | 0.040 | 0.008 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| Dieldrin | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.020 | 0.003 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.200 | 0.007 | 1 | A |
| Toxaphene | ND | | ug/l | 0.200 | 0.063 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.020 | 0.007 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.020 | 0.006 | 1 | A |
| Chlordane | ND | | ug/l | 0.200 | 0.046 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | A |
| Decachlorobiphenyl | 46 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 69 | | 30-150 | B |
| Decachlorobiphenyl | 55 | | 30-150 | B |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-16 | Date Collected: | 03/30/15 15:34 |
| Client ID: | TW-3 | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Field Filtered (Metals) |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8081B | Extraction Date: | 04/03/15 16:17 |
| Analytical Date: | 04/04/15 22:04 | Cleanup Method: | EPA 3620B |
| Analyst: | SS | Cleanup Date: | 04/04/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.020 | 0.005 | 1 | A |
| Lindane | ND | | ug/l | 0.020 | 0.004 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.020 | 0.004 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.020 | 0.006 | 1 | A |
| Heptachlor | ND | | ug/l | 0.020 | 0.003 | 1 | A |
| Aldrin | ND | | ug/l | 0.020 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.020 | 0.004 | 1 | A |
| Endrin | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| Dieldrin | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.020 | 0.003 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.200 | 0.007 | 1 | A |
| Toxaphene | ND | | ug/l | 0.200 | 0.063 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.020 | 0.007 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.020 | 0.006 | 1 | A |
| Chlordane | ND | | ug/l | 0.200 | 0.046 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 61 | | 30-150 | A |
| Decachlorobiphenyl | 52 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 67 | | 30-150 | B |
| Decachlorobiphenyl | 54 | | 30-150 | B |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-17 | Date Collected: | 03/30/15 16:40 |
| Client ID: | FIELD BLANK (033015) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8081B | Extraction Date: | 04/03/15 16:17 |
| Analytical Date: | 04/04/15 22:20 | Cleanup Method: | EPA 3620B |
| Analyst: | SS | Cleanup Date: | 04/04/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.020 | 0.005 | 1 | A |
| Lindane | ND | | ug/l | 0.020 | 0.004 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.020 | 0.004 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.020 | 0.006 | 1 | A |
| Heptachlor | ND | | ug/l | 0.020 | 0.003 | 1 | A |
| Aldrin | ND | | ug/l | 0.020 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.020 | 0.004 | 1 | A |
| Endrin | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| Dieldrin | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.020 | 0.003 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.200 | 0.007 | 1 | A |
| Toxaphene | ND | | ug/l | 0.200 | 0.063 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.020 | 0.007 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.020 | 0.006 | 1 | A |
| Chlordane | ND | | ug/l | 0.200 | 0.046 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 51 | | 30-150 | A |
| Decachlorobiphenyl | 39 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 57 | | 30-150 | B |
| Decachlorobiphenyl | 37 | | 30-150 | B |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

| | | | |
|---|---|---|---|
| Lab ID: | L1506286-18 | Date Collected: | 03/30/15 08:00 |
| Client ID: | FBW (033015) | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | Field Prep: | Not Specified |
| Matrix: | Water | Extraction Method: | EPA 3510C |
| Analytical Method: | 1,8081B | Extraction Date: | 04/03/15 16:17 |
| Analytical Date: | 04/04/15 22:35 | Cleanup Method: | EPA 3620B |
| Analyst: | SS | Cleanup Date: | 04/04/15 |

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab | | | | | | | |
| Delta-BHC | ND | | ug/l | 0.020 | 0.005 | 1 | A |
| Lindane | ND | | ug/l | 0.020 | 0.004 | 1 | A |
| Alpha-BHC | ND | | ug/l | 0.020 | 0.004 | 1 | A |
| Beta-BHC | ND | | ug/l | 0.020 | 0.006 | 1 | A |
| Heptachlor | ND | | ug/l | 0.020 | 0.003 | 1 | A |
| Aldrin | ND | | ug/l | 0.020 | 0.002 | 1 | A |
| Heptachlor epoxide | ND | | ug/l | 0.020 | 0.004 | 1 | A |
| Endrin | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| Endrin ketone | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| Dieldrin | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| 4,4'-DDE | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| 4,4'-DDD | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| 4,4'-DDT | ND | | ug/l | 0.040 | 0.004 | 1 | A |
| Endosulfan I | ND | | ug/l | 0.020 | 0.003 | 1 | A |
| Endosulfan II | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| Endosulfan sulfate | ND | | ug/l | 0.040 | 0.005 | 1 | A |
| Methoxychlor | ND | | ug/l | 0.200 | 0.007 | 1 | A |
| Toxaphene | ND | | ug/l | 0.200 | 0.063 | 1 | A |
| cis-Chlordane | ND | | ug/l | 0.020 | 0.007 | 1 | A |
| trans-Chlordane | ND | | ug/l | 0.020 | 0.006 | 1 | A |
| Chlordane | ND | | ug/l | 0.200 | 0.046 | 1 | A |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 60 | | 30-150 | A |
| Decachlorobiphenyl | 42 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 70 | | 30-150 | B |
| Decachlorobiphenyl | 44 | | 30-150 | B |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/04/15 18:52
Analyst: SS

Extraction Method: EPA 3546
Extraction Date: 04/02/15 22:21
Cleanup Method: EPA 3620B
Cleanup Date: 04/03/15

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-14 Batch: WG773112-1 | | | | | | |
| Delta-BHC | ND | | ug/kg | 1.57 | 0.308 | A |
| Lindane | ND | | ug/kg | 0.655 | 0.293 | A |
| Alpha-BHC | ND | | ug/kg | 0.655 | 0.186 | A |
| Beta-BHC | ND | | ug/kg | 1.57 | 0.596 | A |
| Heptachlor | ND | | ug/kg | 0.786 | 0.352 | A |
| Aldrin | ND | | ug/kg | 1.57 | 0.554 | A |
| Heptachlor epoxide | ND | | ug/kg | 2.95 | 0.885 | A |
| Endrin | ND | | ug/kg | 0.655 | 0.269 | A |
| Endrin aldehyde | ND | | ug/kg | 1.96 | 0.688 | A |
| Endrin ketone | ND | | ug/kg | 1.57 | 0.405 | A |
| Dieldrin | ND | | ug/kg | 0.983 | 0.491 | A |
| 4,4'-DDE | ND | | ug/kg | 1.57 | 0.364 | A |
| 4,4'-DDD | ND | | ug/kg | 1.57 | 0.561 | A |
| 4,4'-DDT | ND | | ug/kg | 2.95 | 1.26 | A |
| Endosulfan I | ND | | ug/kg | 1.57 | 0.372 | A |
| Endosulfan II | ND | | ug/kg | 1.57 | 0.526 | A |
| Endosulfan sulfate | ND | | ug/kg | 0.655 | 0.312 | A |
| Methoxychlor | ND | | ug/kg | 2.95 | 0.917 | A |
| Toxaphene | ND | | ug/kg | 29.5 | 8.26 | A |
| cis-Chlordane | ND | | ug/kg | 1.96 | 0.548 | A |
| trans-Chlordane | ND | | ug/kg | 1.96 | 0.519 | A |
| Chlordane | ND | | ug/kg | 12.8 | 5.21 | A |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/04/15 18:52
Analyst: SS

Extraction Method: EPA 3546
Extraction Date: 04/02/15 22:21
Cleanup Method: EPA 3620B
Cleanup Date: 04/03/15

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-14 Batch: WG773112-1 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 84 | | 30-150 | B |
| Decachlorobiphenyl | 76 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 85 | | 30-150 | A |
| Decachlorobiphenyl | 63 | | 30-150 | A |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/07/15 01:30
Analyst: SS

Extraction Method: EPA 3510C
Extraction Date: 04/03/15 16:17
Cleanup Method: EPA 3620B
Cleanup Date: 04/04/15

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 15-18 Batch: WG773402-1 | | | | | | |
| Delta-BHC | ND | | ug/l | 0.020 | 0.005 | A |
| Lindane | ND | | ug/l | 0.020 | 0.004 | A |
| Alpha-BHC | ND | | ug/l | 0.020 | 0.004 | A |
| Beta-BHC | ND | | ug/l | 0.020 | 0.006 | A |
| Heptachlor | ND | | ug/l | 0.020 | 0.003 | A |
| Aldrin | ND | | ug/l | 0.020 | 0.002 | A |
| Heptachlor epoxide | ND | | ug/l | 0.020 | 0.004 | A |
| Endrin | ND | | ug/l | 0.040 | 0.004 | A |
| Endrin ketone | ND | | ug/l | 0.040 | 0.005 | A |
| Dieldrin | ND | | ug/l | 0.040 | 0.004 | A |
| 4,4'-DDE | ND | | ug/l | 0.040 | 0.004 | A |
| 4,4'-DDD | ND | | ug/l | 0.040 | 0.005 | A |
| 4,4'-DDT | ND | | ug/l | 0.040 | 0.004 | A |
| Endosulfan I | ND | | ug/l | 0.020 | 0.003 | A |
| Endosulfan II | ND | | ug/l | 0.040 | 0.005 | A |
| Endosulfan sulfate | ND | | ug/l | 0.040 | 0.005 | A |
| Methoxychlor | ND | | ug/l | 0.200 | 0.007 | A |
| Toxaphene | ND | | ug/l | 0.200 | 0.063 | A |
| cis-Chlordane | ND | | ug/l | 0.020 | 0.007 | A |
| trans-Chlordane | ND | | ug/l | 0.020 | 0.006 | A |
| Chlordane | ND | | ug/l | 0.200 | 0.046 | A |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria | Column |
|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 54 | | 30-150 | A |
| Decachlorobiphenyl | 60 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 63 | | 30-150 | B |
| Decachlorobiphenyl | 67 | | 30-150 | B |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-14 Batch: WG773112-2 WG773112-3 | | | | | | | | | |
| Delta-BHC | 73 | | 71 | | 30-150 | 3 | | 30 | A |
| Lindane | 79 | | 76 | | 30-150 | 4 | | 30 | A |
| Alpha-BHC | 82 | | 81 | | 30-150 | 1 | | 30 | A |
| Beta-BHC | 78 | | 69 | | 30-150 | 12 | | 30 | A |
| Heptachlor | 89 | | 86 | | 30-150 | 3 | | 30 | A |
| Aldrin | 83 | | 80 | | 30-150 | 4 | | 30 | A |
| Heptachlor epoxide | 77 | | 75 | | 30-150 | 3 | | 30 | A |
| Endrin | 86 | | 83 | | 30-150 | 4 | | 30 | A |
| Endrin aldehyde | 67 | | 66 | | 30-150 | 2 | | 30 | A |
| Endrin ketone | 73 | | 72 | | 30-150 | 1 | | 30 | A |
| Dieldrin | 84 | | 82 | | 30-150 | 2 | | 30 | A |
| 4,4'-DDE | 87 | | 84 | | 30-150 | 4 | | 30 | A |
| 4,4'-DDD | 89 | | 88 | | 30-150 | 1 | | 30 | A |
| 4,4'-DDT | 79 | | 78 | | 30-150 | 1 | | 30 | A |
| Endosulfan I | 76 | | 74 | | 30-150 | 3 | | 30 | A |
| Endosulfan II | 79 | | 77 | | 30-150 | 3 | | 30 | A |
| Endosulfan sulfate | 72 | | 71 | | 30-150 | 1 | | 30 | A |
| Methoxychlor | 88 | | 90 | | 30-150 | 2 | | 30 | A |
| cis-Chlordane | 75 | | 73 | | 30-150 | 3 | | 30 | A |
| trans-Chlordane | 98 | | 97 | | 30-150 | 1 | | 30 | A |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-14 Batch: WG773112-2 WG773112-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 83 | | 81 | | 30-150 | B |
| Decachlorobiphenyl | 76 | | 76 | | 30-150 | B |
| 2,4,5,6-Tetrachloro-m-xylene | 82 | | 79 | | 30-150 | A |
| Decachlorobiphenyl | 60 | | 61 | | 30-150 | A |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits | Column |
|---|---|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 15-18 Batch: WG773402-2 WG773402-3 | | | | | | | | | |
| Delta-BHC | 62 | | 90 | | 30-150 | **37** | Q | 20 | A |
| Lindane | 75 | | 91 | | 30-150 | 19 | | 20 | A |
| Alpha-BHC | 87 | | 106 | | 30-150 | 19 | | 20 | A |
| Beta-BHC | 75 | | 93 | | 30-150 | **21** | Q | 20 | A |
| Heptachlor | 65 | | 79 | | 30-150 | 20 | | 20 | A |
| Aldrin | 59 | | 73 | | 30-150 | **21** | Q | 20 | A |
| Heptachlor epoxide | 72 | | 86 | | 30-150 | 18 | | 20 | A |
| Endrin | 79 | | 97 | | 30-150 | 20 | | 20 | A |
| Endrin ketone | 73 | | 86 | | 30-150 | 16 | | 20 | A |
| Dieldrin | 77 | | 92 | | 30-150 | 18 | | 20 | A |
| 4,4'-DDE | 70 | | 85 | | 30-150 | 19 | | 20 | A |
| 4,4'-DDD | 73 | | 87 | | 30-150 | 18 | | 20 | A |
| 4,4'-DDT | 68 | | 84 | | 30-150 | **21** | Q | 20 | A |
| Endosulfan I | 70 | | 90 | | 30-150 | **25** | Q | 20 | A |
| Endosulfan II | 71 | | 84 | | 30-150 | 17 | | 20 | A |
| Endosulfan sulfate | 74 | | 87 | | 30-150 | 17 | | 20 | A |
| Methoxychlor | 83 | | 99 | | 30-150 | 17 | | 20 | A |
| cis-Chlordane | 68 | | 83 | | 30-150 | **21** | Q | 20 | A |
| trans-Chlordane | 88 | | 84 | | 30-150 | 4 | | 20 | A |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 15-18 Batch: WG773402-2 WG773402-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria | Column |
|---|---|---|---|---|---|---|
| 2,4,5,6-Tetrachloro-m-xylene | 49 | | 57 | | 30-150 | A |
| Decachlorobiphenyl | 54 | | 60 | | 30-150 | A |
| 2,4,5,6-Tetrachloro-m-xylene | 54 | | 64 | | 30-150 | B |
| Decachlorobiphenyl | 65 | | 65 | | 30-150 | B |

# METALS

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-01
Client ID: SB-1 (1.5-2.0)
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 03/30/15 11:46
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 10000 | | mg/kg | 8.8 | 1.8 | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Antimony, Total | ND | | mg/kg | 4.4 | 0.71 | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Arsenic, Total | 7.4 | | mg/kg | 0.88 | 0.18 | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Barium, Total | 240 | | mg/kg | 0.88 | 0.26 | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Beryllium, Total | 0.37 | J | mg/kg | 0.44 | 0.09 | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Cadmium, Total | ND | | mg/kg | 0.88 | 0.06 | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Calcium, Total | 20000 | | mg/kg | 8.8 | 2.6 | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Chromium, Total | 28 | | mg/kg | 0.88 | 0.18 | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Cobalt, Total | 8.7 | | mg/kg | 1.8 | 0.44 | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Copper, Total | 38 | | mg/kg | 0.88 | 0.18 | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Iron, Total | 18000 | | mg/kg | 4.4 | 1.8 | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Lead, Total | 140 | | mg/kg | 4.4 | 0.18 | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Magnesium, Total | 9000 | | mg/kg | 8.8 | 0.88 | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Manganese, Total | 250 | | mg/kg | 0.88 | 0.18 | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Mercury, Total | 0.06 | J | mg/kg | 0.08 | 0.02 | 1 | 04/01/15 06:52 | 04/01/15 12:21 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 27 | | mg/kg | 2.2 | 0.35 | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Potassium, Total | 3600 | | mg/kg | 220 | 35. | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Selenium, Total | ND | | mg/kg | 1.8 | 0.26 | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Silver, Total | ND | | mg/kg | 0.88 | 0.18 | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Sodium, Total | 540 | | mg/kg | 180 | 26. | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Thallium, Total | ND | | mg/kg | 1.8 | 0.35 | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Vanadium, Total | 30 | | mg/kg | 0.88 | 0.09 | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |
| Zinc, Total | 210 | | mg/kg | 4.4 | 0.62 | 2 | 04/06/15 12:01 | 04/06/15 19:09 | EPA 3050B | 1,6010C | MG |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-02
Client ID: SB-1 (14.5-15.0)
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 03/30/15 12:15
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 4200 | | mg/kg | 8.4 | 1.7 | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Antimony, Total | ND | | mg/kg | 4.2 | 0.67 | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Arsenic, Total | 5.7 | | mg/kg | 0.84 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Barium, Total | 24 | | mg/kg | 0.84 | 0.25 | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Beryllium, Total | ND | | mg/kg | 0.42 | 0.08 | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Cadmium, Total | ND | | mg/kg | 0.84 | 0.06 | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Calcium, Total | 55000 | | mg/kg | 8.4 | 2.5 | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Chromium, Total | 7.1 | | mg/kg | 0.84 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Cobalt, Total | 6.0 | | mg/kg | 1.7 | 0.42 | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Copper, Total | 22 | | mg/kg | 0.84 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Iron, Total | 12000 | | mg/kg | 4.2 | 1.7 | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Lead, Total | 22 | | mg/kg | 4.2 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Magnesium, Total | 29000 | | mg/kg | 8.4 | 0.84 | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Manganese, Total | 240 | | mg/kg | 0.84 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Mercury, Total | 0.02 | J | mg/kg | 0.07 | 0.02 | 1 | 04/01/15 06:52 | 04/01/15 12:32 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 10 | | mg/kg | 2.1 | 0.34 | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Potassium, Total | 650 | | mg/kg | 210 | 34. | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Selenium, Total | ND | | mg/kg | 1.7 | 0.25 | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Silver, Total | ND | | mg/kg | 0.84 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Sodium, Total | 480 | | mg/kg | 170 | 25. | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Thallium, Total | ND | | mg/kg | 1.7 | 0.34 | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Vanadium, Total | 41 | | mg/kg | 0.84 | 0.08 | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |
| Zinc, Total | 27 | | mg/kg | 4.2 | 0.59 | 2 | 04/06/15 12:01 | 04/06/15 19:13 | EPA 3050B | 1,6010C | MG |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-03
Client ID: SB-2 (1.5-2.0)
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 03/30/15 10:42
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 11000 | | mg/kg | 8.5 | 1.7 | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Antimony, Total | ND | | mg/kg | 4.2 | 0.68 | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Arsenic, Total | 8.6 | | mg/kg | 0.85 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Barium, Total | 130 | | mg/kg | 0.85 | 0.25 | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Beryllium, Total | 0.41 | J | mg/kg | 0.42 | 0.09 | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Cadmium, Total | ND | | mg/kg | 0.85 | 0.06 | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Calcium, Total | 13000 | | mg/kg | 8.5 | 2.5 | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Chromium, Total | 23 | | mg/kg | 0.85 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Cobalt, Total | 8.8 | | mg/kg | 1.7 | 0.42 | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Copper, Total | 34 | | mg/kg | 0.85 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Iron, Total | 20000 | | mg/kg | 4.2 | 1.7 | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Lead, Total | 76 | | mg/kg | 4.2 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Magnesium, Total | 5300 | | mg/kg | 8.5 | 0.85 | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Manganese, Total | 360 | | mg/kg | 0.85 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Mercury, Total | 0.30 | | mg/kg | 0.07 | 0.02 | 1 | 04/01/15 06:52 | 04/01/15 12:34 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 17 | | mg/kg | 2.1 | 0.34 | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Potassium, Total | 2300 | | mg/kg | 210 | 34. | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Selenium, Total | ND | | mg/kg | 1.7 | 0.25 | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Silver, Total | ND | | mg/kg | 0.85 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Sodium, Total | 580 | | mg/kg | 170 | 25. | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Thallium, Total | ND | | mg/kg | 1.7 | 0.34 | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Vanadium, Total | 31 | | mg/kg | 0.85 | 0.09 | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |
| Zinc, Total | 370 | | mg/kg | 4.2 | 0.59 | 2 | 04/06/15 12:01 | 04/06/15 19:17 | EPA 3050B | 1,6010C | MG |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-04
Client ID: SB-2 (14.5-15.0)
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 03/30/15 10:58
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 7900 | | mg/kg | 8.7 | 1.7 | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Antimony, Total | 3.7 | J | mg/kg | 4.3 | 0.69 | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Arsenic, Total | 10 | | mg/kg | 0.87 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Barium, Total | 80 | | mg/kg | 0.87 | 0.26 | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Beryllium, Total | 0.25 | J | mg/kg | 0.43 | 0.09 | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Cadmium, Total | ND | | mg/kg | 0.87 | 0.06 | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Calcium, Total | 44000 | | mg/kg | 8.7 | 2.6 | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Chromium, Total | 23 | | mg/kg | 0.87 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Cobalt, Total | 5.8 | | mg/kg | 1.7 | 0.43 | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Copper, Total | 35 | | mg/kg | 0.87 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Iron, Total | 21000 | | mg/kg | 4.3 | 1.7 | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Lead, Total | 160 | | mg/kg | 4.3 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Magnesium, Total | 12000 | | mg/kg | 8.7 | 0.87 | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Manganese, Total | 200 | | mg/kg | 0.87 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Mercury, Total | 0.04 | J | mg/kg | 0.08 | 0.02 | 1 | 04/01/15 06:52 | 04/01/15 12:36 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 19 | | mg/kg | 2.2 | 0.35 | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Potassium, Total | 1900 | | mg/kg | 220 | 35. | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Selenium, Total | ND | | mg/kg | 1.7 | 0.26 | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Silver, Total | ND | | mg/kg | 0.87 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Sodium, Total | 630 | | mg/kg | 170 | 26. | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Thallium, Total | ND | | mg/kg | 1.7 | 0.35 | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Vanadium, Total | 23 | | mg/kg | 0.87 | 0.09 | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |
| Zinc, Total | 110 | | mg/kg | 4.3 | 0.61 | 2 | 04/06/15 12:01 | 04/06/15 19:21 | EPA 3050B | 1,6010C | MG |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-05
Client ID: SB-3 (1.5-2.0)
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 03/30/15 11:07
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 9700 | | mg/kg | 8.9 | 1.8 | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Antimony, Total | ND | | mg/kg | 4.4 | 0.71 | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Arsenic, Total | 5.7 | | mg/kg | 0.89 | 0.18 | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Barium, Total | 150 | | mg/kg | 0.89 | 0.26 | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Beryllium, Total | 0.27 | J | mg/kg | 0.44 | 0.09 | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Cadmium, Total | ND | | mg/kg | 0.89 | 0.06 | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Calcium, Total | 26000 | | mg/kg | 8.9 | 2.6 | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Chromium, Total | 18 | | mg/kg | 0.89 | 0.18 | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Cobalt, Total | 7.2 | | mg/kg | 1.8 | 0.44 | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Copper, Total | 28 | | mg/kg | 0.89 | 0.18 | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Iron, Total | 14000 | | mg/kg | 4.4 | 1.8 | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Lead, Total | 41 | | mg/kg | 4.4 | 0.18 | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Magnesium, Total | 6900 | | mg/kg | 8.9 | 0.89 | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Manganese, Total | 240 | | mg/kg | 0.89 | 0.18 | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Mercury, Total | 0.13 | | mg/kg | 0.08 | 0.02 | 1 | 04/01/15 06:52 | 04/01/15 12:38 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 15 | | mg/kg | 2.2 | 0.35 | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Potassium, Total | 2500 | | mg/kg | 220 | 35. | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Selenium, Total | ND | | mg/kg | 1.8 | 0.26 | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Silver, Total | ND | | mg/kg | 0.89 | 0.18 | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Sodium, Total | 420 | | mg/kg | 180 | 26. | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Thallium, Total | ND | | mg/kg | 1.8 | 0.35 | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Vanadium, Total | 32 | | mg/kg | 0.89 | 0.09 | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |
| Zinc, Total | 91 | | mg/kg | 4.4 | 0.62 | 2 | 04/06/15 12:01 | 04/06/15 19:25 | EPA 3050B | 1,6010C | MG |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-06
Client ID: SB-3 (14.5-15.0)
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 03/30/15 11:53
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 11000 | | mg/kg | 8.0 | 1.6 | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Antimony, Total | ND | | mg/kg | 4.0 | 0.64 | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Arsenic, Total | 5.1 | | mg/kg | 0.80 | 0.16 | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Barium, Total | 140 | | mg/kg | 0.80 | 0.24 | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Beryllium, Total | 0.28 | J | mg/kg | 0.40 | 0.08 | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Cadmium, Total | ND | | mg/kg | 0.80 | 0.06 | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Calcium, Total | 13000 | | mg/kg | 8.0 | 2.4 | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Chromium, Total | 25 | | mg/kg | 0.80 | 0.16 | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Cobalt, Total | 10 | | mg/kg | 1.6 | 0.40 | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Copper, Total | 100 | | mg/kg | 0.80 | 0.16 | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Iron, Total | 21000 | | mg/kg | 4.0 | 1.6 | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Lead, Total | 22 | | mg/kg | 4.0 | 0.16 | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Magnesium, Total | 12000 | | mg/kg | 8.0 | 0.80 | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Manganese, Total | 250 | | mg/kg | 0.80 | 0.16 | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Mercury, Total | ND | | mg/kg | 0.08 | 0.02 | 1 | 04/01/15 06:52 | 04/01/15 12:40 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 21 | | mg/kg | 2.0 | 0.32 | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Potassium, Total | 8100 | | mg/kg | 200 | 32. | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Selenium, Total | ND | | mg/kg | 1.6 | 0.24 | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Silver, Total | ND | | mg/kg | 0.80 | 0.16 | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Sodium, Total | 170 | | mg/kg | 160 | 24. | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Thallium, Total | ND | | mg/kg | 1.6 | 0.32 | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Vanadium, Total | 42 | | mg/kg | 0.80 | 0.08 | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |
| Zinc, Total | 53 | | mg/kg | 4.0 | 0.56 | 2 | 04/06/15 12:01 | 04/06/15 19:29 | EPA 3050B | 1,6010C | MG |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-07
Client ID: SB-4 (1.5-2.0)
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 03/30/15 09:31
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 6800 | | mg/kg | 8.6 | 1.7 | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Antimony, Total | ND | | mg/kg | 4.3 | 0.69 | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Arsenic, Total | 8.5 | | mg/kg | 0.86 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Barium, Total | 92 | | mg/kg | 0.86 | 0.26 | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Beryllium, Total | 0.22 | J | mg/kg | 0.43 | 0.09 | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Cadmium, Total | ND | | mg/kg | 0.86 | 0.06 | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Calcium, Total | 16000 | | mg/kg | 8.6 | 2.6 | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Chromium, Total | 19 | | mg/kg | 0.86 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Cobalt, Total | 6.6 | | mg/kg | 1.7 | 0.43 | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Copper, Total | 29 | | mg/kg | 0.86 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Iron, Total | 16000 | | mg/kg | 4.3 | 1.7 | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Lead, Total | 72 | | mg/kg | 4.3 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Magnesium, Total | 4400 | | mg/kg | 8.6 | 0.86 | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Manganese, Total | 210 | | mg/kg | 0.86 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Mercury, Total | 0.14 | | mg/kg | 0.08 | 0.02 | 1 | 04/01/15 06:52 | 04/01/15 12:42 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 17 | | mg/kg | 2.2 | 0.35 | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Potassium, Total | 1700 | | mg/kg | 220 | 35. | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Selenium, Total | ND | | mg/kg | 1.7 | 0.26 | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Silver, Total | ND | | mg/kg | 0.86 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Sodium, Total | 220 | | mg/kg | 170 | 26. | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Thallium, Total | ND | | mg/kg | 1.7 | 0.35 | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Vanadium, Total | 27 | | mg/kg | 0.86 | 0.09 | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |
| Zinc, Total | 140 | | mg/kg | 4.3 | 0.60 | 2 | 04/06/15 12:01 | 04/06/15 19:33 | EPA 3050B | 1,6010C | MG |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-08
Client ID: SB-4 (14.5-15.0)
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 03/30/15 09:55
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 9400 | | mg/kg | 8.5 | 1.7 | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Antimony, Total | ND | | mg/kg | 4.3 | 0.68 | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Arsenic, Total | 9.5 | | mg/kg | 0.85 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Barium, Total | 170 | | mg/kg | 0.85 | 0.26 | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Beryllium, Total | 0.29 | J | mg/kg | 0.43 | 0.09 | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Cadmium, Total | ND | | mg/kg | 0.85 | 0.06 | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Calcium, Total | 34000 | | mg/kg | 8.5 | 2.6 | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Chromium, Total | 24 | | mg/kg | 0.85 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Cobalt, Total | 5.9 | | mg/kg | 1.7 | 0.43 | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Copper, Total | 62 | | mg/kg | 0.85 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Iron, Total | 19000 | | mg/kg | 4.3 | 1.7 | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Lead, Total | 100 | | mg/kg | 4.3 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Magnesium, Total | 7600 | | mg/kg | 8.5 | 0.85 | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Manganese, Total | 230 | | mg/kg | 0.85 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Mercury, Total | 0.77 | | mg/kg | 0.07 | 0.02 | 1 | 04/01/15 06:52 | 04/01/15 12:43 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 36 | | mg/kg | 2.1 | 0.34 | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Potassium, Total | 2500 | | mg/kg | 210 | 34. | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Selenium, Total | ND | | mg/kg | 1.7 | 0.26 | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Silver, Total | ND | | mg/kg | 0.85 | 0.17 | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Sodium, Total | 470 | | mg/kg | 170 | 26. | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Thallium, Total | ND | | mg/kg | 1.7 | 0.34 | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Vanadium, Total | 28 | | mg/kg | 0.85 | 0.09 | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |
| Zinc, Total | 4100 | | mg/kg | 4.3 | 0.60 | 2 | 04/06/15 12:01 | 04/06/15 19:59 | EPA 3050B | 1,6010C | MG |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-09
Client ID: SB-5 (1.5-2.0)
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 03/30/15 10:10
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 7200 | | mg/kg | 9.0 | 1.8 | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Antimony, Total | 0.88 | J | mg/kg | 4.5 | 0.72 | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Arsenic, Total | 12 | | mg/kg | 0.90 | 0.18 | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Barium, Total | 78 | | mg/kg | 0.90 | 0.27 | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Beryllium, Total | 0.15 | J | mg/kg | 0.45 | 0.09 | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Cadmium, Total | ND | | mg/kg | 0.90 | 0.06 | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Calcium, Total | 30000 | | mg/kg | 9.0 | 2.7 | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Chromium, Total | 19 | | mg/kg | 0.90 | 0.18 | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Cobalt, Total | 7.4 | | mg/kg | 1.8 | 0.45 | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Copper, Total | 80 | | mg/kg | 0.90 | 0.18 | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Iron, Total | 20000 | | mg/kg | 4.5 | 1.8 | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Lead, Total | 97 | | mg/kg | 4.5 | 0.18 | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Magnesium, Total | 17000 | | mg/kg | 9.0 | 0.90 | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Manganese, Total | 210 | | mg/kg | 0.90 | 0.18 | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Mercury, Total | 0.02 | J | mg/kg | 0.08 | 0.02 | 1 | 04/01/15 06:52 | 04/01/15 12:45 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 16 | | mg/kg | 2.2 | 0.36 | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Potassium, Total | 1900 | | mg/kg | 220 | 36. | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Selenium, Total | ND | | mg/kg | 1.8 | 0.27 | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Silver, Total | ND | | mg/kg | 0.90 | 0.18 | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Sodium, Total | 380 | | mg/kg | 180 | 27. | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Thallium, Total | ND | | mg/kg | 1.8 | 0.36 | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Vanadium, Total | 47 | | mg/kg | 0.90 | 0.09 | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |
| Zinc, Total | 1100 | | mg/kg | 4.5 | 0.63 | 2 | 04/06/15 12:01 | 04/06/15 20:03 | EPA 3050B | 1,6010C | MG |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-10
Client ID: SB-5 (14.5-15.0)
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 03/30/15 10:14
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 7400 | | mg/kg | 8.5 | 1.7 | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Antimony, Total | ND | | mg/kg | 4.2 | 0.68 | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Arsenic, Total | 11 | | mg/kg | 0.85 | 0.17 | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Barium, Total | 84 | | mg/kg | 0.85 | 0.25 | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Beryllium, Total | 0.17 | J | mg/kg | 0.42 | 0.09 | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Cadmium, Total | ND | | mg/kg | 0.85 | 0.06 | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Calcium, Total | 50000 | | mg/kg | 8.5 | 2.5 | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Chromium, Total | 22 | | mg/kg | 0.85 | 0.17 | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Cobalt, Total | 7.0 | | mg/kg | 1.7 | 0.42 | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Copper, Total | 48 | | mg/kg | 0.85 | 0.17 | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Iron, Total | 30000 | | mg/kg | 4.2 | 1.7 | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Lead, Total | 100 | | mg/kg | 4.2 | 0.17 | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Magnesium, Total | 18000 | | mg/kg | 8.5 | 0.85 | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Manganese, Total | 320 | | mg/kg | 0.85 | 0.17 | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Mercury, Total | 0.03 | J | mg/kg | 0.07 | 0.02 | 1 | 04/01/15 06:52 | 04/01/15 12:47 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 26 | | mg/kg | 2.1 | 0.34 | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Potassium, Total | 2600 | | mg/kg | 210 | 34. | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Selenium, Total | ND | | mg/kg | 1.7 | 0.25 | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Silver, Total | ND | | mg/kg | 0.85 | 0.17 | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Sodium, Total | 210 | | mg/kg | 170 | 25. | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Thallium, Total | ND | | mg/kg | 1.7 | 0.34 | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Vanadium, Total | 28 | | mg/kg | 0.85 | 0.09 | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |
| Zinc, Total | 81 | | mg/kg | 4.2 | 0.59 | 2 | 04/07/15 09:32 | 04/07/15 14:20 | EPA 3050B | 1,6010C | TT |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-11
Client ID: SB-6 (1.5-2.0)
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 03/30/15 08:34
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 9800 | | mg/kg | 9.1 | 1.8 | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Antimony, Total | ND | | mg/kg | 4.6 | 0.73 | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Arsenic, Total | 6.6 | | mg/kg | 0.91 | 0.18 | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Barium, Total | 73 | | mg/kg | 0.91 | 0.27 | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Beryllium, Total | 0.24 | J | mg/kg | 0.46 | 0.09 | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Cadmium, Total | ND | | mg/kg | 0.91 | 0.06 | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Calcium, Total | 11000 | | mg/kg | 9.1 | 2.7 | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Chromium, Total | 22 | | mg/kg | 0.91 | 0.18 | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Cobalt, Total | 7.3 | | mg/kg | 1.8 | 0.46 | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Copper, Total | 21 | | mg/kg | 0.91 | 0.18 | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Iron, Total | 15000 | | mg/kg | 4.6 | 1.8 | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Lead, Total | 58 | | mg/kg | 4.6 | 0.18 | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Magnesium, Total | 4200 | | mg/kg | 9.1 | 0.91 | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Manganese, Total | 270 | | mg/kg | 0.91 | 0.18 | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Mercury, Total | 0.11 | | mg/kg | 0.08 | 0.02 | 1 | 04/01/15 06:52 | 04/01/15 12:49 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 18 | | mg/kg | 2.3 | 0.36 | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Potassium, Total | 2200 | | mg/kg | 230 | 36. | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Selenium, Total | ND | | mg/kg | 1.8 | 0.27 | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Silver, Total | ND | | mg/kg | 0.91 | 0.18 | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Sodium, Total | 140 | J | mg/kg | 180 | 27. | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Thallium, Total | ND | | mg/kg | 1.8 | 0.36 | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Vanadium, Total | 27 | | mg/kg | 0.91 | 0.09 | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |
| Zinc, Total | 82 | | mg/kg | 4.6 | 0.64 | 2 | 04/07/15 09:32 | 04/07/15 15:08 | EPA 3050B | 1,6010C | TT |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-12
Client ID: SB-6 (14.5-15.0)
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 03/30/15 08:42
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 7000 | | mg/kg | 9.1 | 1.8 | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Antimony, Total | ND | | mg/kg | 4.5 | 0.72 | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Arsenic, Total | 6.0 | | mg/kg | 0.91 | 0.18 | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Barium, Total | 77 | | mg/kg | 0.91 | 0.27 | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Beryllium, Total | 0.20 | J | mg/kg | 0.45 | 0.09 | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Cadmium, Total | 0.18 | J | mg/kg | 0.91 | 0.06 | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Calcium, Total | 36000 | | mg/kg | 9.1 | 2.7 | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Chromium, Total | 16 | | mg/kg | 0.91 | 0.18 | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Cobalt, Total | 4.7 | | mg/kg | 1.8 | 0.45 | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Copper, Total | 28 | | mg/kg | 0.91 | 0.18 | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Iron, Total | 10000 | | mg/kg | 4.5 | 1.8 | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Lead, Total | 130 | | mg/kg | 4.5 | 0.18 | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Magnesium, Total | 4600 | | mg/kg | 9.1 | 0.91 | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Manganese, Total | 130 | | mg/kg | 0.91 | 0.18 | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Mercury, Total | 0.29 | | mg/kg | 0.08 | 0.02 | 1 | 04/01/15 06:52 | 04/01/15 12:55 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 29 | | mg/kg | 2.3 | 0.36 | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Potassium, Total | 1400 | | mg/kg | 230 | 36. | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Selenium, Total | ND | | mg/kg | 1.8 | 0.27 | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Silver, Total | ND | | mg/kg | 0.91 | 0.18 | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Sodium, Total | 270 | | mg/kg | 180 | 27. | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Thallium, Total | ND | | mg/kg | 1.8 | 0.36 | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Vanadium, Total | 28 | | mg/kg | 0.91 | 0.09 | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |
| Zinc, Total | 180 | | mg/kg | 4.5 | 0.63 | 2 | 04/07/15 09:32 | 04/07/15 15:12 | EPA 3050B | 1,6010C | TT |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-13
Client ID: SB-7 (1.5-2.0)
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 03/30/15 08:58
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 7400 | | mg/kg | 8.7 | 1.7 | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Antimony, Total | ND | | mg/kg | 4.4 | 0.70 | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Arsenic, Total | 6.6 | | mg/kg | 0.87 | 0.17 | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Barium, Total | 38 | | mg/kg | 0.87 | 0.26 | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Beryllium, Total | 0.28 | J | mg/kg | 0.44 | 0.09 | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Cadmium, Total | ND | | mg/kg | 0.87 | 0.06 | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Calcium, Total | 4000 | | mg/kg | 8.7 | 2.6 | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Chromium, Total | 12 | | mg/kg | 0.87 | 0.17 | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Cobalt, Total | 6.4 | | mg/kg | 1.7 | 0.44 | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Copper, Total | 16 | | mg/kg | 0.87 | 0.17 | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Iron, Total | 14000 | | mg/kg | 4.4 | 1.7 | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Lead, Total | 64 | | mg/kg | 4.4 | 0.17 | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Magnesium, Total | 2600 | | mg/kg | 8.7 | 0.87 | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Manganese, Total | 350 | | mg/kg | 0.87 | 0.17 | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Mercury, Total | 0.03 | J | mg/kg | 0.07 | 0.02 | 1 | 04/01/15 06:52 | 04/01/15 12:57 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 14 | | mg/kg | 2.2 | 0.35 | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Potassium, Total | 810 | | mg/kg | 220 | 35. | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Selenium, Total | ND | | mg/kg | 1.7 | 0.26 | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Silver, Total | ND | | mg/kg | 0.87 | 0.17 | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Sodium, Total | 150 | J | mg/kg | 170 | 26. | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Thallium, Total | ND | | mg/kg | 1.7 | 0.35 | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Vanadium, Total | 15 | | mg/kg | 0.87 | 0.09 | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |
| Zinc, Total | 87 | | mg/kg | 4.4 | 0.61 | 2 | 04/07/15 09:32 | 04/07/15 15:16 | EPA 3050B | 1,6010C | TT |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-14
Client ID: SB-7 (14.5-15.0)
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 03/30/15 09:10
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 8800 | | mg/kg | 8.7 | 1.7 | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Antimony, Total | ND | | mg/kg | 4.4 | 0.70 | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Arsenic, Total | 4.6 | | mg/kg | 0.87 | 0.17 | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Barium, Total | 87 | | mg/kg | 0.87 | 0.26 | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Beryllium, Total | 0.22 | J | mg/kg | 0.44 | 0.09 | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Cadmium, Total | ND | | mg/kg | 0.87 | 0.06 | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Calcium, Total | 24000 | | mg/kg | 8.7 | 2.6 | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Chromium, Total | 20 | | mg/kg | 0.87 | 0.17 | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Cobalt, Total | 6.1 | | mg/kg | 1.7 | 0.44 | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Copper, Total | 54 | | mg/kg | 0.87 | 0.17 | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Iron, Total | 14000 | | mg/kg | 4.4 | 1.7 | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Lead, Total | 47 | | mg/kg | 4.4 | 0.17 | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Magnesium, Total | 4300 | | mg/kg | 8.7 | 0.87 | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Manganese, Total | 260 | | mg/kg | 0.87 | 0.17 | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Mercury, Total | 0.54 | | mg/kg | 0.08 | 0.02 | 1 | 04/01/15 06:52 | 04/01/15 12:58 | EPA 7471B | 1,7471B | MC |
| Nickel, Total | 17 | | mg/kg | 2.2 | 0.35 | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Potassium, Total | 3100 | | mg/kg | 220 | 35. | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Selenium, Total | ND | | mg/kg | 1.7 | 0.26 | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Silver, Total | ND | | mg/kg | 0.87 | 0.17 | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Sodium, Total | 280 | | mg/kg | 170 | 26. | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Thallium, Total | ND | | mg/kg | 1.7 | 0.35 | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Vanadium, Total | 23 | | mg/kg | 0.87 | 0.09 | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |
| Zinc, Total | 76 | | mg/kg | 4.4 | 0.61 | 2 | 04/07/15 09:32 | 04/07/15 15:20 | EPA 3050B | 1,6010C | TT |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-15
Client ID: TW-2
Sample Location: BRONX, NY
Matrix: Water

Date Collected: 03/30/15 14:37
Date Received: 03/31/15
Field Prep: Field Filtered (Metals)

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 0.227 | | mg/l | 0.010 | 0.002 | 1 | 04/03/15 10:22 | 04/03/15 18:45 | EPA 3005A | 1,6020A | BM |
| Antimony, Total | 0.0002 | J | mg/l | 0.0010 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 18:45 | EPA 3005A | 1,6020A | BM |
| Arsenic, Total | 0.0005 | J | mg/l | 0.0005 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 18:45 | EPA 3005A | 1,6020A | BM |
| Barium, Total | 0.3182 | | mg/l | 0.0005 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 18:45 | EPA 3005A | 1,6020A | BM |
| Beryllium, Total | ND | | mg/l | 0.0005 | 0.0002 | 1 | 04/03/15 10:22 | 04/03/15 18:45 | EPA 3005A | 1,6020A | BM |
| Cadmium, Total | 0.0002 | | mg/l | 0.0002 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 18:45 | EPA 3005A | 1,6020A | BM |
| Calcium, Total | 112 | | mg/l | 2.00 | 0.640 | 20 | 04/03/15 10:22 | 04/03/15 18:58 | EPA 3005A | 1,6020A | BM |
| Chromium, Total | 0.0012 | | mg/l | 0.0010 | 0.0003 | 1 | 04/03/15 10:22 | 04/03/15 18:45 | EPA 3005A | 1,6020A | BM |
| Cobalt, Total | 0.0037 | | mg/l | 0.0002 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 18:45 | EPA 3005A | 1,6020A | BM |
| Copper, Total | 0.0018 | | mg/l | 0.0010 | 0.0003 | 1 | 04/03/15 10:22 | 04/03/15 18:45 | EPA 3005A | 1,6020A | BM |
| Iron, Total | 0.440 | | mg/l | 0.050 | 0.012 | 1 | 04/03/15 10:22 | 04/03/15 18:45 | EPA 3005A | 1,6020A | BM |
| Lead, Total | 0.0010 | | mg/l | 0.0010 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 18:45 | EPA 3005A | 1,6020A | BM |
| Magnesium, Total | 45.8 | | mg/l | 0.070 | 0.022 | 1 | 04/03/15 10:22 | 04/03/15 18:45 | EPA 3005A | 1,6020A | BM |
| Manganese, Total | 0.6129 | | mg/l | 0.0100 | 0.0060 | 20 | 04/03/15 10:22 | 04/03/15 18:58 | EPA 3005A | 1,6020A | BM |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00006 | 1 | 04/01/15 10:11 | 04/01/15 15:23 | EPA 7470A | 1,7470A | MC |
| Nickel, Total | 0.0071 | | mg/l | 0.0005 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 18:45 | EPA 3005A | 1,6020A | BM |
| Potassium, Total | 8.74 | | mg/l | 0.100 | 0.019 | 1 | 04/03/15 10:22 | 04/03/15 18:45 | EPA 3005A | 1,6020A | BM |
| Selenium, Total | 0.006 | | mg/l | 0.005 | 0.001 | 1 | 04/03/15 10:22 | 04/03/15 18:45 | EPA 3005A | 1,6020A | BM |
| Silver, Total | ND | | mg/l | 0.0004 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 18:45 | EPA 3005A | 1,6020A | BM |
| Sodium, Total | 334 | | mg/l | 3.00 | 0.322 | 20 | 04/03/15 10:22 | 04/03/15 18:58 | EPA 3005A | 1,6020A | BM |
| Thallium, Total | ND | | mg/l | 0.0005 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 18:45 | EPA 3005A | 1,6020A | BM |
| Vanadium, Total | 0.0012 | J | mg/l | 0.0050 | 0.0006 | 1 | 04/03/15 10:22 | 04/03/15 18:45 | EPA 3005A | 1,6020A | BM |
| Zinc, Total | 0.0043 | J | mg/l | 0.0100 | 0.0026 | 1 | 04/03/15 10:22 | 04/03/15 18:45 | EPA 3005A | 1,6020A | BM |
| **Dissolved Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Dissolved | 0.00340 | J | mg/l | 0.0100 | 0.00169 | 1 | 04/01/15 11:09 | 04/01/15 15:41 | EPA 3005A | 1,6020A | KL |
| Antimony, Dissolved | 0.00104 | J | mg/l | 0.00400 | 0.00006 | 1 | 04/01/15 11:09 | 04/01/15 15:41 | EPA 3005A | 1,6020A | KL |
| Arsenic, Dissolved | 0.00017 | J | mg/l | 0.00050 | 0.00012 | 1 | 04/01/15 11:09 | 04/01/15 15:41 | EPA 3005A | 1,6020A | KL |
| Barium, Dissolved | 0.3133 | | mg/l | 0.00050 | 0.00006 | 1 | 04/01/15 11:09 | 04/01/15 15:41 | EPA 3005A | 1,6020A | KL |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00015 | 1 | 04/01/15 11:09 | 04/01/15 15:41 | EPA 3005A | 1,6020A | KL |
| Cadmium, Dissolved | 0.00023 | | mg/l | 0.00020 | 0.00005 | 1 | 04/01/15 11:09 | 04/01/15 15:41 | EPA 3005A | 1,6020A | KL |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-15
Client ID: TW-2
Sample Location: BRONX, NY
Matrix: Water

Date Collected: 03/30/15 14:37
Date Received: 03/31/15
Field Prep: Field Filtered (Metals)

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Calcium, Dissolved | 123. | | mg/l | 2.00 | 0.640 | 20 | 04/01/15 11:09 | 04/01/15 16:03 | EPA 3005A | 1,6020A | KL |
| Chromium, Dissolved | 0.00032 | J | mg/l | 0.00100 | 0.00025 | 1 | 04/01/15 11:09 | 04/01/15 15:41 | EPA 3005A | 1,6020A | KL |
| Cobalt, Dissolved | 0.00316 | | mg/l | 0.00020 | 0.00006 | 1 | 04/01/15 11:09 | 04/01/15 15:41 | EPA 3005A | 1,6020A | KL |
| Copper, Dissolved | 0.00107 | | mg/l | 0.00100 | 0.00026 | 1 | 04/01/15 11:09 | 04/01/15 15:41 | EPA 3005A | 1,6020A | KL |
| Iron, Dissolved | 0.0742 | | mg/l | 0.0500 | 0.0120 | 1 | 04/01/15 11:09 | 04/01/15 15:41 | EPA 3005A | 1,6020A | KL |
| Lead, Dissolved | ND | | mg/l | 0.00100 | 0.00012 | 1 | 04/01/15 11:09 | 04/01/15 15:41 | EPA 3005A | 1,6020A | KL |
| Magnesium, Dissolved | 43.6 | | mg/l | 0.0700 | 0.0223 | 1 | 04/01/15 11:09 | 04/01/15 15:41 | EPA 3005A | 1,6020A | KL |
| Manganese, Dissolved | 0.7424 | | mg/l | 0.01000 | 0.00604 | 20 | 04/01/15 11:09 | 04/01/15 16:03 | EPA 3005A | 1,6020A | KL |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | 0.00006 | 1 | 04/01/15 10:08 | 04/01/15 15:00 | EPA 245.1 | 1,7470A | MC |
| Nickel, Dissolved | 0.00719 | | mg/l | 0.00050 | 0.00008 | 1 | 04/01/15 11:09 | 04/01/15 15:41 | EPA 3005A | 1,6020A | KL |
| Potassium, Dissolved | 8.33 | | mg/l | 0.100 | 0.0193 | 1 | 04/01/15 11:09 | 04/01/15 15:41 | EPA 3005A | 1,6020A | KL |
| Selenium, Dissolved | 0.00813 | | mg/l | 0.00500 | 0.00100 | 1 | 04/01/15 11:09 | 04/01/15 15:41 | EPA 3005A | 1,6020A | KL |
| Silver, Dissolved | ND | | mg/l | 0.00040 | 0.00007 | 1 | 04/01/15 11:09 | 04/01/15 15:41 | EPA 3005A | 1,6020A | KL |
| Sodium, Dissolved | 379. | | mg/l | 2.00 | 0.322 | 20 | 04/01/15 11:09 | 04/01/15 16:03 | EPA 3005A | 1,6020A | KL |
| Thallium, Dissolved | ND | | mg/l | 0.00050 | 0.00005 | 1 | 04/01/15 11:09 | 04/01/15 15:41 | EPA 3005A | 1,6020A | KL |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00055 | 1 | 04/01/15 11:09 | 04/01/15 15:41 | EPA 3005A | 1,6020A | KL |
| Zinc, Dissolved | ND | | mg/l | 0.01000 | 0.00256 | 1 | 04/01/15 11:09 | 04/01/15 15:41 | EPA 3005A | 1,6020A | KL |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-16
Client ID: TW-3
Sample Location: BRONX, NY
Matrix: Water

Date Collected: 03/30/15 15:34
Date Received: 03/31/15
Field Prep: Field Filtered (Metals)

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 0.540 | | mg/l | 0.010 | 0.002 | 1 | 04/03/15 10:22 | 04/03/15 19:01 | EPA 3005A | 1,6020A | BM |
| Antimony, Total | 0.0003 | J | mg/l | 0.0010 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 19:01 | EPA 3005A | 1,6020A | BM |
| Arsenic, Total | 0.0022 | | mg/l | 0.0005 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 19:01 | EPA 3005A | 1,6020A | BM |
| Barium, Total | 0.3422 | | mg/l | 0.0005 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 19:01 | EPA 3005A | 1,6020A | BM |
| Beryllium, Total | ND | | mg/l | 0.0005 | 0.0002 | 1 | 04/03/15 10:22 | 04/03/15 19:01 | EPA 3005A | 1,6020A | BM |
| Cadmium, Total | ND | | mg/l | 0.0002 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 19:01 | EPA 3005A | 1,6020A | BM |
| Calcium, Total | 132 | | mg/l | 2.00 | 0.640 | 20 | 04/03/15 10:22 | 04/03/15 19:04 | EPA 3005A | 1,6020A | BM |
| Chromium, Total | 0.0023 | | mg/l | 0.0010 | 0.0003 | 1 | 04/03/15 10:22 | 04/03/15 19:01 | EPA 3005A | 1,6020A | BM |
| Cobalt, Total | 0.0018 | | mg/l | 0.0002 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 19:01 | EPA 3005A | 1,6020A | BM |
| Copper, Total | 0.0036 | | mg/l | 0.0010 | 0.0003 | 1 | 04/03/15 10:22 | 04/03/15 19:01 | EPA 3005A | 1,6020A | BM |
| Iron, Total | 4.90 | | mg/l | 0.050 | 0.012 | 1 | 04/03/15 10:22 | 04/03/15 19:01 | EPA 3005A | 1,6020A | BM |
| Lead, Total | 0.0017 | | mg/l | 0.0010 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 19:01 | EPA 3005A | 1,6020A | BM |
| Magnesium, Total | 59.6 | | mg/l | 1.40 | 0.446 | 20 | 04/03/15 10:22 | 04/03/15 19:04 | EPA 3005A | 1,6020A | BM |
| Manganese, Total | 1.553 | | mg/l | 0.0100 | 0.0060 | 20 | 04/03/15 10:22 | 04/03/15 19:04 | EPA 3005A | 1,6020A | BM |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00006 | 1 | 04/01/15 10:11 | 04/01/15 15:25 | EPA 7470A | 1,7470A | MC |
| Nickel, Total | 0.0038 | | mg/l | 0.0005 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 19:01 | EPA 3005A | 1,6020A | BM |
| Potassium, Total | 12.3 | | mg/l | 0.100 | 0.019 | 1 | 04/03/15 10:22 | 04/03/15 19:01 | EPA 3005A | 1,6020A | BM |
| Selenium, Total | ND | | mg/l | 0.005 | 0.001 | 1 | 04/03/15 10:22 | 04/03/15 19:01 | EPA 3005A | 1,6020A | BM |
| Silver, Total | ND | | mg/l | 0.0004 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 19:01 | EPA 3005A | 1,6020A | BM |
| Sodium, Total | 219 | | mg/l | 3.00 | 0.322 | 20 | 04/03/15 10:22 | 04/03/15 19:04 | EPA 3005A | 1,6020A | BM |
| Thallium, Total | ND | | mg/l | 0.0005 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 19:01 | EPA 3005A | 1,6020A | BM |
| Vanadium, Total | 0.0017 | J | mg/l | 0.0050 | 0.0006 | 1 | 04/03/15 10:22 | 04/03/15 19:01 | EPA 3005A | 1,6020A | BM |
| Zinc, Total | 0.0167 | | mg/l | 0.0100 | 0.0026 | 1 | 04/03/15 10:22 | 04/03/15 19:01 | EPA 3005A | 1,6020A | BM |
| **Dissolved Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Dissolved | 0.00458 | J | mg/l | 0.0100 | 0.00169 | 1 | 04/01/15 11:09 | 04/01/15 16:00 | EPA 3005A | 1,6020A | KL |
| Antimony, Dissolved | 0.00234 | J | mg/l | 0.00400 | 0.00006 | 1 | 04/01/15 11:09 | 04/01/15 16:00 | EPA 3005A | 1,6020A | KL |
| Arsenic, Dissolved | 0.00188 | | mg/l | 0.00050 | 0.00012 | 1 | 04/01/15 11:09 | 04/01/15 16:00 | EPA 3005A | 1,6020A | KL |
| Barium, Dissolved | 0.3365 | | mg/l | 0.00050 | 0.00006 | 1 | 04/01/15 11:09 | 04/01/15 16:00 | EPA 3005A | 1,6020A | KL |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00015 | 1 | 04/01/15 11:09 | 04/01/15 16:00 | EPA 3005A | 1,6020A | KL |
| Cadmium, Dissolved | ND | | mg/l | 0.00020 | 0.00005 | 1 | 04/01/15 11:09 | 04/01/15 16:00 | EPA 3005A | 1,6020A | KL |

**Project Name:** LANDING RD. BRONX
**Lab Number:** L1506286
**Project Number:** 12.0076232.20
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-16
Client ID: TW-3
Sample Location: BRONX, NY
Matrix: Water

Date Collected: 03/30/15 15:34
Date Received: 03/31/15
Field Prep: Field Filtered (Metals)

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Calcium, Dissolved | 143. | | mg/l | 2.00 | 0.640 | 20 | 04/01/15 11:09 | 04/01/15 16:07 | EPA 3005A | 1,6020A | KL |
| Chromium, Dissolved | ND | | mg/l | 0.00100 | 0.00025 | 1 | 04/01/15 11:09 | 04/01/15 16:00 | EPA 3005A | 1,6020A | KL |
| Cobalt, Dissolved | 0.00098 | | mg/l | 0.00020 | 0.00006 | 1 | 04/01/15 11:09 | 04/01/15 16:00 | EPA 3005A | 1,6020A | KL |
| Copper, Dissolved | 0.00059 | J | mg/l | 0.00100 | 0.00026 | 1 | 04/01/15 11:09 | 04/01/15 16:00 | EPA 3005A | 1,6020A | KL |
| Iron, Dissolved | 3.63 | | mg/l | 0.0500 | 0.0120 | 1 | 04/01/15 11:09 | 04/01/15 16:00 | EPA 3005A | 1,6020A | KL |
| Lead, Dissolved | ND | | mg/l | 0.00100 | 0.00012 | 1 | 04/01/15 11:09 | 04/01/15 16:00 | EPA 3005A | 1,6020A | KL |
| Magnesium, Dissolved | 63.7 | | mg/l | 1.40 | 0.446 | 20 | 04/01/15 11:09 | 04/01/15 16:07 | EPA 3005A | 1,6020A | KL |
| Manganese, Dissolved | 1.704 | | mg/l | 0.01000 | 0.00604 | 20 | 04/01/15 11:09 | 04/01/15 16:07 | EPA 3005A | 1,6020A | KL |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | 0.00006 | 1 | 04/01/15 10:08 | 04/01/15 15:01 | EPA 245.1 | 1,7470A | MC |
| Nickel, Dissolved | 0.00230 | | mg/l | 0.00050 | 0.00008 | 1 | 04/01/15 11:09 | 04/01/15 16:00 | EPA 3005A | 1,6020A | KL |
| Potassium, Dissolved | 11.3 | | mg/l | 0.100 | 0.0193 | 1 | 04/01/15 11:09 | 04/01/15 16:00 | EPA 3005A | 1,6020A | KL |
| Selenium, Dissolved | ND | | mg/l | 0.00500 | 0.00100 | 1 | 04/01/15 11:09 | 04/01/15 16:00 | EPA 3005A | 1,6020A | KL |
| Silver, Dissolved | ND | | mg/l | 0.00040 | 0.00007 | 1 | 04/01/15 11:09 | 04/01/15 16:00 | EPA 3005A | 1,6020A | KL |
| Sodium, Dissolved | 229. | | mg/l | 2.00 | 0.322 | 20 | 04/01/15 11:09 | 04/01/15 16:07 | EPA 3005A | 1,6020A | KL |
| Thallium, Dissolved | ND | | mg/l | 0.00050 | 0.00005 | 1 | 04/01/15 11:09 | 04/01/15 16:00 | EPA 3005A | 1,6020A | KL |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00055 | 1 | 04/01/15 11:09 | 04/01/15 16:00 | EPA 3005A | 1,6020A | KL |
| Zinc, Dissolved | 0.00396 | J | mg/l | 0.01000 | 0.00256 | 1 | 04/01/15 11:09 | 04/01/15 16:00 | EPA 3005A | 1,6020A | KL |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-17
Client ID: FIELD BLANK (033015)
Sample Location: BRONX, NY
Matrix: Water

Date Collected: 03/30/15 16:40
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | ND | | mg/l | 0.10 | 0.020 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Antimony, Total | ND | | mg/l | 0.0500 | 0.0080 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Arsenic, Total | ND | | mg/l | 0.0050 | 0.0020 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Barium, Total | ND | | mg/l | 0.0100 | 0.0030 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Beryllium, Total | ND | | mg/l | 0.0050 | 0.0010 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Cadmium, Total | ND | | mg/l | 0.0050 | 0.0007 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Calcium, Total | 0.043 | J | mg/l | 0.10 | 0.030 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Chromium, Total | ND | | mg/l | 0.010 | 0.0020 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Cobalt, Total | ND | | mg/l | 0.0200 | 0.0050 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Copper, Total | 0.0024 | J | mg/l | 0.0100 | 0.0020 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Iron, Total | ND | | mg/l | 0.050 | 0.020 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Lead, Total | ND | | mg/l | 0.0100 | 0.0020 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Magnesium, Total | ND | | mg/l | 0.10 | 0.010 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Manganese, Total | ND | | mg/l | 0.0100 | 0.0020 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00006 | 1 | 04/01/15 10:11 | 04/01/15 15:27 | EPA 7470A | 1,7470A | MC |
| Nickel, Total | ND | | mg/l | 0.0250 | 0.0040 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Potassium, Total | ND | | mg/l | 2.5 | 0.40 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Selenium, Total | ND | | mg/l | 0.0100 | 0.0030 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Silver, Total | ND | | mg/l | 0.0070 | 0.0020 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Sodium, Total | ND | | mg/l | 2.0 | 0.30 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Thallium, Total | ND | | mg/l | 0.0200 | 0.0040 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Vanadium, Total | ND | | mg/l | 0.0100 | 0.0010 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |
| Zinc, Total | ND | | mg/l | 0.0500 | 0.0070 | 1 | 04/03/15 10:40 | 04/07/15 13:29 | EPA 3005A | 1,6010C | TT |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-18
Client ID: FBW (033015)
Sample Location: BRONX, NY
Matrix: Water

Date Collected: 03/30/15 08:00
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Metals - Westborough Lab** | | | | | | | | | | | |
| Aluminum, Total | 0.005 | J | mg/l | 0.010 | 0.002 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Antimony, Total | 0.0001 | J | mg/l | 0.0010 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Arsenic, Total | ND | | mg/l | 0.0005 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Barium, Total | 0.0001 | J | mg/l | 0.0005 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Beryllium, Total | ND | | mg/l | 0.0005 | 0.0002 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Cadmium, Total | ND | | mg/l | 0.0002 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Calcium, Total | ND | | mg/l | 0.100 | 0.032 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Chromium, Total | 0.0004 | J | mg/l | 0.0010 | 0.0003 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Cobalt, Total | ND | | mg/l | 0.0002 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Copper, Total | ND | | mg/l | 0.0010 | 0.0003 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Iron, Total | ND | | mg/l | 0.050 | 0.012 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Lead, Total | ND | | mg/l | 0.0010 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Magnesium, Total | ND | | mg/l | 0.070 | 0.022 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Manganese, Total | ND | | mg/l | 0.0005 | 0.0003 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00006 | 1 | 04/01/15 10:11 | 04/01/15 15:32 | EPA 7470A | 1,7470A | MC |
| Nickel, Total | 0.0001 | J | mg/l | 0.0005 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Potassium, Total | ND | | mg/l | 0.100 | 0.019 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Selenium, Total | ND | | mg/l | 0.005 | 0.001 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Silver, Total | ND | | mg/l | 0.0004 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Sodium, Total | 0.092 | J | mg/l | 0.150 | 0.016 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Thallium, Total | ND | | mg/l | 0.0005 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Vanadium, Total | ND | | mg/l | 0.0050 | 0.0006 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |
| Zinc, Total | ND | | mg/l | 0.0100 | 0.0026 | 1 | 04/03/15 10:22 | 04/03/15 19:07 | EPA 3005A | 1,6020A | BM |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
# Batch Quality Control

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 01-14 Batch: WG772484-1 | | | | | | | | | | |
| Mercury, Total | ND | | mg/kg | 0.08 | 0.02 | 1 | 04/01/15 06:52 | 04/01/15 12:17 | 1,7471B | MC |

**Prep Information**

Digestion Method: EPA 7471B

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Metals - Westborough Lab for sample(s): 15-16 Batch: WG772541-1 | | | | | | | | | | |
| Mercury, Dissolved | ND | | mg/l | 0.00020 | 0.00006 | 1 | 04/01/15 10:08 | 04/01/15 14:48 | 1,7470A | MC |

**Prep Information**

Digestion Method: EPA 245.1

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 15-18 Batch: WG772543-1 | | | | | | | | | | |
| Mercury, Total | ND | | mg/l | 0.00020 | 0.00006 | 1 | 04/01/15 10:11 | 04/01/15 15:03 | 1,7470A | MC |

**Prep Information**

Digestion Method: EPA 7470A

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Metals - Westborough Lab for sample(s): 15-16 Batch: WG772569-1 | | | | | | | | | | |
| Aluminum, Dissolved | 0.00190 | J | mg/l | 0.0100 | 0.00169 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |
| Antimony, Dissolved | 0.00362 | J | mg/l | 0.00400 | 0.00006 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |
| Arsenic, Dissolved | 0.00014 | J | mg/l | 0.00050 | 0.00012 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |
| Barium, Dissolved | ND | | mg/l | 0.00050 | 0.00006 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |
| Beryllium, Dissolved | ND | | mg/l | 0.00050 | 0.00015 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |
| Cadmium, Dissolved | ND | | mg/l | 0.00020 | 0.00005 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
# Batch Quality Control

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium, Dissolved | ND | | mg/l | 0.100 | 0.0320 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |
| Chromium, Dissolved | ND | | mg/l | 0.00100 | 0.00025 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |
| Cobalt, Dissolved | ND | | mg/l | 0.00020 | 0.00006 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |
| Copper, Dissolved | ND | | mg/l | 0.00100 | 0.00026 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |
| Iron, Dissolved | ND | | mg/l | 0.0500 | 0.0120 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |
| Lead, Dissolved | ND | | mg/l | 0.00100 | 0.00012 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |
| Magnesium, Dissolved | ND | | mg/l | 0.0700 | 0.0223 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |
| Manganese, Dissolved | ND | | mg/l | 0.00050 | 0.00030 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |
| Nickel, Dissolved | ND | | mg/l | 0.00050 | 0.00008 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |
| Potassium, Dissolved | ND | | mg/l | 0.100 | 0.0193 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |
| Selenium, Dissolved | ND | | mg/l | 0.00500 | 0.00100 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |
| Silver, Dissolved | ND | | mg/l | 0.00040 | 0.00007 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |
| Sodium, Dissolved | ND | | mg/l | 0.100 | 0.0161 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |
| Thallium, Dissolved | ND | | mg/l | 0.00050 | 0.00005 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |
| Vanadium, Dissolved | ND | | mg/l | 0.00500 | 0.00055 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |
| Zinc, Dissolved | ND | | mg/l | 0.01000 | 0.00256 | 1 | 04/01/15 11:09 | 04/01/15 13:53 | 1,6020A | KL |

**Prep Information**

Digestion Method: EPA 3005A

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 15-16,18 Batch: WG773186-1 | | | | | | | | | | |
| Aluminum, Total | 0.003 | J | mg/l | 0.010 | 0.002 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |
| Antimony, Total | 0.0001 | J | mg/l | 0.0010 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |
| Arsenic, Total | ND | | mg/l | 0.0005 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |
| Barium, Total | ND | | mg/l | 0.0005 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |
| Beryllium, Total | ND | | mg/l | 0.0005 | 0.0002 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |
| Cadmium, Total | ND | | mg/l | 0.0002 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |
| Calcium, Total | ND | | mg/l | 0.100 | 0.032 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |
| Chromium, Total | 0.0004 | J | mg/l | 0.0010 | 0.0003 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |
| Cobalt, Total | ND | | mg/l | 0.0002 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |
| Copper, Total | ND | | mg/l | 0.0010 | 0.0003 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |
| Iron, Total | ND | | mg/l | 0.050 | 0.012 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |
| Lead, Total | ND | | mg/l | 0.0005 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |
| Magnesium, Total | ND | | mg/l | 0.070 | 0.022 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
# Batch Quality Control

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Manganese, Total | ND | | mg/l | 0.0005 | 0.0003 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |
| Nickel, Total | ND | | mg/l | 0.0005 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |
| Potassium, Total | 0.067 | J | mg/l | 0.100 | 0.019 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |
| Selenium, Total | ND | | mg/l | 0.005 | 0.001 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |
| Silver, Total | ND | | mg/l | 0.0004 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |
| Sodium, Total | 0.141 | J | mg/l | 0.150 | 0.016 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |
| Thallium, Total | ND | | mg/l | 0.0005 | 0.0001 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |
| Vanadium, Total | ND | | mg/l | 0.0050 | 0.0006 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |
| Zinc, Total | ND | | mg/l | 0.0100 | 0.0026 | 1 | 04/03/15 10:22 | 04/03/15 17:08 | 1,6020A | BM |

**Prep Information**

Digestion Method: EPA 3005A

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 17 Batch: WG773234-1 | | | | | | | | | | |
| Aluminum, Total | ND | | mg/l | 0.10 | 0.020 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |
| Antimony, Total | ND | | mg/l | 0.0500 | 0.0080 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |
| Arsenic, Total | ND | | mg/l | 0.0050 | 0.0020 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |
| Barium, Total | ND | | mg/l | 0.0100 | 0.0030 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |
| Beryllium, Total | ND | | mg/l | 0.0050 | 0.0010 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |
| Cadmium, Total | ND | | mg/l | 0.0050 | 0.0007 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |
| Calcium, Total | ND | | mg/l | 0.10 | 0.030 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |
| Chromium, Total | ND | | mg/l | 0.010 | 0.0020 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |
| Cobalt, Total | ND | | mg/l | 0.0200 | 0.0050 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |
| Copper, Total | ND | | mg/l | 0.0100 | 0.0020 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |
| Iron, Total | ND | | mg/l | 0.050 | 0.020 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |
| Lead, Total | ND | | mg/l | 0.0100 | 0.0020 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |
| Magnesium, Total | ND | | mg/l | 0.10 | 0.010 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |
| Manganese, Total | ND | | mg/l | 0.0100 | 0.0020 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |
| Nickel, Total | ND | | mg/l | 0.0250 | 0.0040 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |
| Potassium, Total | ND | | mg/l | 2.5 | 0.40 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |
| Selenium, Total | ND | | mg/l | 0.0100 | 0.0030 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |
| Silver, Total | ND | | mg/l | 0.0070 | 0.0020 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |
| Sodium, Total | ND | | mg/l | 2.0 | 0.30 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |
| Thallium, Total | ND | | mg/l | 0.0200 | 0.0040 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
# Batch Quality Control

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Vanadium, Total | ND | | mg/l | 0.0100 | 0.0010 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |
| Zinc, Total | ND | | mg/l | 0.0500 | 0.0070 | 1 | 04/03/15 10:40 | 04/07/15 12:35 | 1,6010C | TT |

**Prep Information**

Digestion Method: EPA 3005A

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 01-09 Batch: WG773681-1 | | | | | | | | | | |
| Aluminum, Total | ND | | mg/kg | 4.0 | 0.80 | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Antimony, Total | ND | | mg/kg | 2.0 | 0.32 | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Arsenic, Total | ND | | mg/kg | 0.40 | 0.08 | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Barium, Total | ND | | mg/kg | 0.40 | 0.12 | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Beryllium, Total | ND | | mg/kg | 0.20 | 0.04 | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Cadmium, Total | ND | | mg/kg | 0.40 | 0.03 | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Calcium, Total | ND | | mg/kg | 4.0 | 1.2 | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Chromium, Total | ND | | mg/kg | 0.40 | 0.08 | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Cobalt, Total | ND | | mg/kg | 0.80 | 0.20 | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Copper, Total | ND | | mg/kg | 0.40 | 0.08 | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Iron, Total | ND | | mg/kg | 2.0 | 0.80 | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Lead, Total | ND | | mg/kg | 2.0 | 0.08 | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Magnesium, Total | ND | | mg/kg | 4.0 | 0.40 | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Manganese, Total | 0.10 | J | mg/kg | 0.40 | 0.08 | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Nickel, Total | ND | | mg/kg | 1.0 | 0.16 | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Potassium, Total | ND | | mg/kg | 100 | 16. | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Selenium, Total | ND | | mg/kg | 0.80 | 0.12 | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Silver, Total | ND | | mg/kg | 0.40 | 0.08 | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Sodium, Total | ND | | mg/kg | 80 | 12. | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Thallium, Total | ND | | mg/kg | 0.80 | 0.16 | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Vanadium, Total | ND | | mg/kg | 0.40 | 0.04 | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |
| Zinc, Total | ND | | mg/kg | 2.0 | 0.28 | 1 | 04/06/15 12:01 | 04/06/15 19:56 | 1,6010C | MG |

**Prep Information**

Digestion Method: EPA 3050B

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286

**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

# Method Blank Analysis
# Batch Quality Control

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab for sample(s): 10-14 Batch: WG773890-1 | | | | | | | | | | |
| Aluminum, Total | ND | | mg/kg | 4.0 | 0.80 | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Antimony, Total | 0.67 | J | mg/kg | 2.0 | 0.32 | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Arsenic, Total | ND | | mg/kg | 0.40 | 0.08 | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Barium, Total | ND | | mg/kg | 0.40 | 0.12 | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Beryllium, Total | ND | | mg/kg | 0.20 | 0.04 | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Cadmium, Total | ND | | mg/kg | 0.40 | 0.03 | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Calcium, Total | ND | | mg/kg | 4.0 | 1.2 | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Chromium, Total | ND | | mg/kg | 0.40 | 0.08 | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Cobalt, Total | ND | | mg/kg | 0.80 | 0.20 | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Copper, Total | ND | | mg/kg | 0.40 | 0.08 | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Iron, Total | ND | | mg/kg | 2.0 | 0.80 | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Lead, Total | ND | | mg/kg | 2.0 | 0.08 | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Magnesium, Total | ND | | mg/kg | 4.0 | 0.40 | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Manganese, Total | ND | | mg/kg | 0.40 | 0.08 | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Nickel, Total | ND | | mg/kg | 1.0 | 0.16 | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Potassium, Total | ND | | mg/kg | 100 | 16. | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Selenium, Total | ND | | mg/kg | 0.80 | 0.12 | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Silver, Total | ND | | mg/kg | 0.40 | 0.08 | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Sodium, Total | ND | | mg/kg | 80 | 12. | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Thallium, Total | ND | | mg/kg | 0.80 | 0.16 | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Vanadium, Total | ND | | mg/kg | 0.40 | 0.04 | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |
| Zinc, Total | ND | | mg/kg | 2.0 | 0.28 | 1 | 04/07/15 09:32 | 04/07/15 14:13 | 1,6010C | TT |

**Prep Information**

Digestion Method: EPA 3050B

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-14 Batch: WG772484-2 SRM Lot Number: D083-540 | | | | | | | | |
| Mercury, Total | 100 | | - | | 75-126 | - | | |
| Dissolved Metals - Westborough Lab Associated sample(s): 15-16 Batch: WG772541-2 | | | | | | | | |
| Mercury, Dissolved | 114 | | - | | 70-130 | - | | |
| Total Metals - Westborough Lab Associated sample(s): 15-18 Batch: WG772543-2 | | | | | | | | |
| Mercury, Total | 117 | | - | | 80-120 | - | | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Dissolved Metals - Westborough Lab Associated sample(s): 15-16 Batch: WG772569-2 | | | | | |
| Aluminum, Dissolved | 98 | - | 80-120 | - | |
| Antimony, Dissolved | 95 | - | 80-120 | - | |
| Arsenic, Dissolved | 92 | - | 80-120 | - | |
| Barium, Dissolved | 105 | - | 80-120 | - | |
| Beryllium, Dissolved | 100 | - | 80-120 | - | |
| Cadmium, Dissolved | 115 | - | 80-120 | - | |
| Calcium, Dissolved | 99 | - | 80-120 | - | |
| Chromium, Dissolved | 105 | - | 80-120 | - | |
| Cobalt, Dissolved | 111 | - | 80-120 | - | |
| Copper, Dissolved | 112 | - | 80-120 | - | |
| Iron, Dissolved | 104 | - | 80-120 | - | |
| Lead, Dissolved | 89 | - | 80-120 | - | |
| Magnesium, Dissolved | 107 | - | 80-120 | - | |
| Manganese, Dissolved | 106 | - | 80-120 | - | |
| Nickel, Dissolved | 109 | - | 80-120 | - | |
| Potassium, Dissolved | 94 | - | 80-120 | - | |
| Selenium, Dissolved | 97 | - | 80-120 | - | |
| Silver, Dissolved | 100 | - | 80-120 | - | |
| Sodium, Dissolved | 106 | - | 80-120 | - | |
| Thallium, Dissolved | 86 | - | 80-120 | - | |
| Vanadium, Dissolved | 112 | - | 80-120 | - | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Dissolved Metals - Westborough Lab Associated sample(s): 15-16 Batch: WG772569-2 | | | | | |
| Zinc, Dissolved | 114 | - | 80-120 | - | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 15-16,18 Batch: WG773186-2 | | | | | |
| Aluminum, Total | 104 | - | 80-120 | - | |
| Antimony, Total | 102 | - | 80-120 | - | |
| Arsenic, Total | 107 | - | 80-120 | - | |
| Barium, Total | 99 | - | 80-120 | - | |
| Beryllium, Total | 110 | - | 80-120 | - | |
| Cadmium, Total | 116 | - | 80-120 | - | |
| Calcium, Total | 97 | - | 80-120 | - | |
| Chromium, Total | 102 | - | 80-120 | - | |
| Cobalt, Total | 105 | - | 80-120 | - | |
| Copper, Total | 108 | - | 80-120 | - | |
| Iron, Total | 98 | - | 80-120 | - | |
| Lead, Total | 114 | - | 80-120 | - | |
| Magnesium, Total | 106 | - | 80-120 | - | |
| Manganese, Total | 96 | - | 80-120 | - | |
| Nickel, Total | 105 | - | 80-120 | - | |
| Potassium, Total | 104 | - | 80-120 | - | |
| Selenium, Total | 118 | - | 80-120 | - | |
| Silver, Total | 107 | - | 80-120 | - | |
| Sodium, Total | 111 | - | 80-120 | - | |
| Thallium, Total | 107 | - | 80-120 | - | |
| Vanadium, Total | 99 | - | 80-120 | - | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 15-16,18 Batch: WG773186-2 | | | | | |
| Zinc, Total | 109 | - | 80-120 | - | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 17 Batch: WG773234-2 | | | | | |
| Aluminum, Total | 105 | - | 80-120 | - | |
| Antimony, Total | 103 | - | 80-120 | - | |
| Arsenic, Total | 112 | - | 80-120 | - | |
| Barium, Total | 97 | - | 80-120 | - | |
| Beryllium, Total | 102 | - | 80-120 | - | |
| Cadmium, Total | 112 | - | 80-120 | - | |
| Calcium, Total | 99 | - | 80-120 | - | |
| Chromium, Total | 105 | - | 80-120 | - | |
| Cobalt, Total | 103 | - | 80-120 | - | |
| Copper, Total | 103 | - | 80-120 | - | |
| Iron, Total | 97 | - | 80-120 | - | |
| Lead, Total | 111 | - | 80-120 | - | |
| Magnesium, Total | 100 | - | 80-120 | - | |
| Manganese, Total | 98 | - | 80-120 | - | |
| Nickel, Total | 102 | - | 80-120 | - | |
| Potassium, Total | 99 | - | 80-120 | - | |
| Selenium, Total | 111 | - | 80-120 | - | |
| Silver, Total | 107 | - | 80-120 | - | |
| Sodium, Total | 100 | - | 80-120 | - | |
| Thallium, Total | 107 | - | 80-120 | - | |
| Vanadium, Total | 107 | - | 80-120 | - | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 17 Batch: WG773234-2 | | | | | |
| Zinc, Total | 104 | - | 80-120 | - | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-09 Batch: WG773681-2 SRM Lot Number: D083-540 | | | | | |
| Aluminum, Total | 83 | - | 51-148 | - | |
| Antimony, Total | 181 | - | 1-210 | - | |
| Arsenic, Total | 106 | - | 78-122 | - | |
| Barium, Total | 96 | - | 82-117 | - | |
| Beryllium, Total | 99 | - | 82-118 | - | |
| Cadmium, Total | 98 | - | 82-118 | - | |
| Calcium, Total | 96 | - | 82-118 | - | |
| Chromium, Total | 98 | - | 79-121 | - | |
| Cobalt, Total | 100 | - | 83-117 | - | |
| Copper, Total | 101 | - | 80-120 | - | |
| Iron, Total | 99 | - | 47-153 | - | |
| Lead, Total | 94 | - | 81-119 | - | |
| Magnesium, Total | 93 | - | 75-124 | - | |
| Manganese, Total | 95 | - | 81-119 | - | |
| Nickel, Total | 98 | - | 82-118 | - | |
| Potassium, Total | 96 | - | 70-130 | - | |
| Selenium, Total | 102 | - | 78-123 | - | |
| Silver, Total | 105 | - | 74-125 | - | |
| Sodium, Total | 98 | - | 70-130 | - | |
| Thallium, Total | 103 | - | 78-122 | - | |
| Vanadium, Total | 98 | - | 65-135 | - | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-09 Batch: WG773681-2 SRM Lot Number: D083-540 | | | | | |
| Zinc, Total | 97 | - | 80-121 | - | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 10-14 Batch: WG773890-2 SRM Lot Number: D083-540 | | | | | |
| Aluminum, Total | 73 | - | 51-148 | - | |
| Antimony, Total | 181 | - | 1-210 | - | |
| Arsenic, Total | 98 | - | 78-122 | - | |
| Barium, Total | 84 | - | 82-117 | - | |
| Beryllium, Total | 92 | - | 82-118 | - | |
| Cadmium, Total | 96 | - | 82-118 | - | |
| Calcium, Total | 83 | - | 82-118 | - | |
| Chromium, Total | 94 | - | 79-121 | - | |
| Cobalt, Total | 94 | - | 83-117 | - | |
| Copper, Total | 97 | - | 80-120 | - | |
| Iron, Total | 79 | - | 47-153 | - | |
| Lead, Total | 90 | - | 81-119 | - | |
| Magnesium, Total | 83 | - | 75-124 | - | |
| Manganese, Total | 90 | - | 81-119 | - | |
| Nickel, Total | 96 | - | 82-118 | - | |
| Potassium, Total | 84 | - | 70-130 | - | |
| Selenium, Total | 96 | - | 78-123 | - | |
| Silver, Total | 96 | - | 74-125 | - | |
| Sodium, Total | 85 | - | 70-130 | - | |
| Thallium, Total | 95 | - | 78-122 | - | |
| Vanadium, Total | 92 | - | 65-135 | - | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 10-14 Batch: WG773890-2 SRM Lot Number: D083-540 | | | | | |
| Zinc, Total | 92 | - | 80-121 | - | |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG772484-4 QC Sample: L1506286-01 Client ID: SB-1 (1.5-2.0) | | | | | | | | | | | | |
| Mercury, Total | 0.06J | 0.155 | 0.25 | **161** | Q | - | - | | 80-120 | - | | 20 |
| Dissolved Metals - Westborough Lab Associated sample(s): 15-16 QC Batch ID: WG772541-4 QC Sample: L1506050-01 Client ID: MS Sample | | | | | | | | | | | | |
| Mercury, Dissolved | ND | 0.005 | 0.00533 | 107 | | - | - | | 75-125 | - | | 20 |
| Total Metals - Westborough Lab Associated sample(s): 15-18 QC Batch ID: WG772543-4 QC Sample: L1506050-05 Client ID: MS Sample | | | | | | | | | | | | |
| Mercury, Total | 0.00016J | 0.005 | 0.00529 | 106 | | - | - | | 75-125 | - | | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Metals - Westborough Lab Associated sample(s): 15-16 QC Batch ID: WG772569-4 QC Sample: L1506050-01 Client ID: MS Sample | | | | | | | | | | |
| Aluminum, Dissolved | 0.006J | 2 | 1.82 | 91 | | - | - | 75-125 | - | 20 |
| Antimony, Dissolved | 0.0023J | 0.5 | 0.4474 | 89 | | - | - | 75-125 | - | 20 |
| Arsenic, Dissolved | 0.00081 | 0.12 | 0.1449 | 120 | | - | - | 75-125 | - | 20 |
| Barium, Dissolved | 0.1272 | 2 | 2.118 | 100 | | - | - | 75-125 | - | 20 |
| Beryllium, Dissolved | ND | 0.05 | 0.04584 | 92 | | - | - | 75-125 | - | 20 |
| Cadmium, Dissolved | 0.00011J | 0.051 | 0.05786 | 113 | | - | - | 75-125 | - | 20 |
| Calcium, Dissolved | 72.7 | 10 | 90.6 | **179** | Q | - | - | 75-125 | - | 20 |
| Chromium, Dissolved | 0.00072J | 0.2 | 0.1962 | 98 | | - | - | 75-125 | - | 20 |
| Cobalt, Dissolved | 0.0021 | 0.5 | 0.5148 | 102 | | - | - | 75-125 | - | 20 |
| Copper, Dissolved | 0.00030J | 0.25 | 0.2464 | 98 | | - | - | 75-125 | - | 20 |
| Iron, Dissolved | 0.124 | 1 | 1.23 | 111 | | - | - | 75-125 | - | 20 |
| Lead, Dissolved | ND | 0.51 | 0.6134 | 120 | | - | - | 75-125 | - | 20 |
| Magnesium, Dissolved | 29.0 | 10 | 33.0 | **40** | Q | - | - | 75-125 | - | 20 |
| Manganese, Dissolved | 1.263 | 0.5 | 1.833 | 114 | | - | - | 75-125 | - | 20 |
| Nickel, Dissolved | 0.00924 | 0.5 | 0.5122 | 100 | | - | - | 75-125 | - | 20 |
| Potassium, Dissolved | 4.27 | 10 | 6.51 | **22** | Q | - | - | 75-125 | - | 20 |
| Selenium, Dissolved | 0.00195J | 0.12 | 0.151 | **126** | Q | - | - | 75-125 | - | 20 |
| Silver, Dissolved | ND | 0.05 | 0.04826 | 96 | | - | - | 75-125 | - | 20 |
| Sodium, Dissolved | 70.2 | 10 | 76.3 | **61** | Q | - | - | 75-125 | - | 20 |
| Thallium, Dissolved | ND | 0.12 | 0.1403 | 117 | | - | - | 75-125 | - | 20 |
| Vanadium, Dissolved | ND | 0.5 | 0.5020 | 100 | | - | - | 75-125 | - | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Dissolved Metals - Westborough Lab Associated sample(s): 15-16 QC Batch ID: WG772569-4 QC Sample: L1506050-01 Client ID: MS Sample | | | | | | | | | |
| Zinc, Dissolved | ND | 0.5 | 0.5218 | 104 | - | - | 75-125 | - | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 15-16,18 QC Batch ID: WG773186-3 WG773186-4 QC Sample: L1506002-04 Client ID: MS Sample | | | | | | | | | | |
| Aluminum, Total | 0.034 | 2 | 1.96 | 96 | | 1.96 | 96 | 75-125 | 0 | 20 |
| Antimony, Total | 0.0004J | 0.5 | 0.5078 | 102 | | 0.5143 | 103 | 75-125 | 1 | 20 |
| Arsenic, Total | 0.0068 | 0.12 | 0.1229 | 97 | | 0.1432 | 114 | 75-125 | 15 | 20 |
| Barium, Total | 0.1438 | 2 | 2.019 | 94 | | 2.057 | 96 | 75-125 | 2 | 20 |
| Beryllium, Total | ND | 0.05 | 0.0528 | 106 | | 0.0526 | 105 | 75-125 | 1 | 20 |
| Cadmium, Total | ND | 0.051 | 0.0600 | 118 | | 0.0569 | 112 | 75-125 | 5 | 20 |
| Calcium, Total | 65.5 | 10 | 78.1 | **126** | Q | 73.4 | 79 | 75-125 | 6 | 20 |
| Chromium, Total | 0.0006J | 0.2 | 0.1969 | 98 | | 0.2080 | 104 | 75-125 | 5 | 20 |
| Cobalt, Total | 0.0001J | 0.5 | 0.4991 | 100 | | 0.5226 | 104 | 75-125 | 5 | 20 |
| Copper, Total | 0.0012 | 0.25 | 0.2582 | 103 | | 0.2601 | 104 | 75-125 | 1 | 20 |
| Iron, Total | 0.148 | 1 | 1.12 | 97 | | 1.08 | 93 | 75-125 | 4 | 20 |
| Lead, Total | 0.0003J | 0.51 | 0.5470 | 107 | | 0.5595 | 110 | 75-125 | 2 | 20 |
| Magnesium, Total | 12.7 | 10 | 23.9 | 112 | | 22.2 | 95 | 75-125 | 7 | 20 |
| Manganese, Total | 0.5422 | 0.5 | 1.035 | 98 | | 1.054 | 102 | 75-125 | 2 | 20 |
| Nickel, Total | 0.0003J | 0.5 | 0.4909 | 98 | | 0.5090 | 102 | 75-125 | 4 | 20 |
| Potassium, Total | 1.54 | 10 | 10.8 | 93 | | 11.5 | 100 | 75-125 | 6 | 20 |
| Selenium, Total | ND | 0.12 | 0.140 | 117 | | 0.133 | 111 | 75-125 | 5 | 20 |
| Silver, Total | ND | 0.05 | 0.0498 | 100 | | 0.0480 | 96 | 75-125 | 4 | 20 |
| Sodium, Total | 9.40 | 10 | 21.1 | 117 | | 18.7 | 93 | 75-125 | 12 | 20 |
| Thallium, Total | ND | 0.12 | 0.1212 | 101 | | 0.1253 | 104 | 75-125 | 3 | 20 |
| Vanadium, Total | ND | 0.5 | 0.5125 | 102 | | 0.4935 | 99 | 75-125 | 4 | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 15-16,18 QC Batch ID: WG773186-3 WG773186-4 QC Sample: L1506002-04 Client ID: MS Sample | | | | | | | | | |
| Zinc, Total | 0.0160 | 0.5 | 0.5341 | 104 | 0.5204 | 101 | 75-125 | 3 | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 17 QC Batch ID: WG773234-4 QC Sample: L1506249-01 Client ID: MS Sample | | | | | | | | | |
| Aluminum, Total | 0.04J | 2 | 2.2 | 110 | - | - | 75-125 | - | 20 |
| Antimony, Total | 0.029J | 0.5 | 0.537 | 107 | - | - | 75-125 | - | 20 |
| Arsenic, Total | 0.0406 | 0.12 | 0.176 | 113 | - | - | 75-125 | - | 20 |
| Barium, Total | 0.101 | 2 | 2.07 | 98 | - | - | 75-125 | - | 20 |
| Beryllium, Total | ND | 0.05 | 0.0517 | 103 | - | - | 75-125 | - | 20 |
| Cadmium, Total | ND | 0.051 | 0.0570 | 112 | - | - | 75-125 | - | 20 |
| Calcium, Total | 17. | 10 | 27 | 100 | - | - | 75-125 | - | 20 |
| Chromium, Total | ND | 0.2 | 0.21 | 105 | - | - | 75-125 | - | 20 |
| Cobalt, Total | ND | 0.5 | 0.519 | 104 | - | - | 75-125 | - | 20 |
| Copper, Total | 0.004J | 0.25 | 0.265 | 106 | - | - | 75-125 | - | 20 |
| Iron, Total | 6.4 | 1 | 7.2 | 80 | - | - | 75-125 | - | 20 |
| Lead, Total | 0.002J | 0.51 | 0.580 | 114 | - | - | 75-125 | - | 20 |
| Magnesium, Total | 2.7 | 10 | 13 | 103 | - | - | 75-125 | - | 20 |
| Manganese, Total | 3.36 | 0.5 | 3.74 | 76 | - | - | 75-125 | - | 20 |
| Nickel, Total | ND | 0.5 | 0.511 | 102 | - | - | 75-125 | - | 20 |
| Potassium, Total | 21. | 10 | 30 | 90 | - | - | 75-125 | - | 20 |
| Selenium, Total | ND | 0.12 | 0.139 | 116 | - | - | 75-125 | - | 20 |
| Silver, Total | ND | 0.05 | 0.0552 | 110 | - | - | 75-125 | - | 20 |
| Sodium, Total | 3.8 | 10 | 14 | 102 | - | - | 75-125 | - | 20 |
| Thallium, Total | ND | 0.12 | 0.124 | 103 | - | - | 75-125 | - | 20 |
| Vanadium, Total | 0.003J | 0.5 | 0.544 | 109 | - | - | 75-125 | - | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 17 QC Batch ID: WG773234-4 QC Sample: L1506249-01 Client ID: MS Sample | | | | | | | | | |
| Zinc, Total | ND | 0.5 | 0.521 | 104 | - | - | 75-125 | - | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | | MSD Found | MSD %Recovery | | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG773681-4 WG773681-5 QC Sample: L1506261-02 Client ID: MS Sample | | | | | | | | | | | |
| Aluminum, Total | 5000 | 182 | 5400 | **220** | Q | 4800 | **0** | Q | 75-125 | 12 | 20 |
| Antimony, Total | ND | 45.5 | 44 | 97 | | 45 | 97 | | 75-125 | 2 | 20 |
| Arsenic, Total | 3.6 | 10.9 | 15 | 104 | | 15 | 102 | | 75-125 | 0 | 20 |
| Barium, Total | 27. | 182 | 200 | 95 | | 210 | 98 | | 75-125 | 5 | 20 |
| Beryllium, Total | 0.19J | 4.55 | 4.6 | 101 | | 4.7 | 101 | | 75-125 | 2 | 20 |
| Cadmium, Total | ND | 4.64 | 4.5 | 97 | | 4.7 | 99 | | 75-125 | 4 | 20 |
| Calcium, Total | 840 | 909 | 1700 | 94 | | 1600 | 82 | | 75-125 | 6 | 20 |
| Chromium, Total | 18. | 18.2 | 34 | 88 | | 33 | 81 | | 75-125 | 3 | 20 |
| Cobalt, Total | 3.7 | 45.5 | 47 | 95 | | 48 | 95 | | 75-125 | 2 | 20 |
| Copper, Total | 9.4 | 22.7 | 31 | 95 | | 31 | 93 | | 75-125 | 0 | 20 |
| Iron, Total | 10000 | 90.9 | 10000 | **0** | Q | 11000 | **1080** | Q | 75-125 | 10 | 20 |
| Lead, Total | 1.8J | 46.4 | 49 | 106 | | 50 | 105 | | 75-125 | 2 | 20 |
| Magnesium, Total | 2200 | 909 | 2800 | **66** | Q | 2700 | **54** | Q | 75-125 | 4 | 20 |
| Manganese, Total | 190 | 45.5 | 220 | **66** | Q | 210 | **43** | Q | 75-125 | 5 | 20 |
| Nickel, Total | 7.7 | 45.5 | 50 | 93 | | 50 | 91 | | 75-125 | 0 | 20 |
| Potassium, Total | 490 | 909 | 1400 | 100 | | 1400 | 98 | | 75-125 | 0 | 20 |
| Selenium, Total | ND | 10.9 | 11 | 101 | | 11 | 98 | | 75-125 | 0 | 20 |
| Silver, Total | ND | 27.3 | 25 | 92 | | 25 | 90 | | 75-125 | 0 | 20 |
| Sodium, Total | 150J | 909 | 1100 | 121 | | 1100 | 118 | | 75-125 | 0 | 20 |
| Thallium, Total | ND | 10.9 | 9.9 | 91 | | 10 | 90 | | 75-125 | 1 | 20 |
| Vanadium, Total | 18. | 45.5 | 64 | 101 | | 65 | 101 | | 75-125 | 2 | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG773681-4 WG773681-5 QC Sample: L1506261-02 Client ID: MS Sample | | | | | | | | | |
| Zinc, Total | 20. | 45.5 | 62 | 92 | 63 | 92 | 75-125 | 2 | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 10-14 QC Batch ID: WG773890-4 QC Sample: L1506286-10 Client ID: SB-5 (14.5-15.0) | | | | | | | | | | |
| Aluminum, Total | 7400 | 168 | 7800 | **237** | Q | - | - | 75-125 | - | 20 |
| Antimony, Total | ND | 42.1 | 39 | 92 | | - | - | 75-125 | - | 20 |
| Arsenic, Total | 11. | 10.1 | 21 | 99 | | - | - | 75-125 | - | 20 |
| Barium, Total | 84. | 168 | 220 | 81 | | - | - | 75-125 | - | 20 |
| Beryllium, Total | 0.17J | 4.21 | 4.0 | 95 | | - | - | 75-125 | - | 20 |
| Cadmium, Total | ND | 4.3 | 3.3 | 77 | | - | - | 75-125 | - | 20 |
| Calcium, Total | 50000 | 842 | 52000 | **237** | Q | - | - | 75-125 | - | 20 |
| Chromium, Total | 22. | 16.8 | 35 | 77 | | - | - | 75-125 | - | 20 |
| Cobalt, Total | 7.0 | 42.1 | 43 | 85 | | - | - | 75-125 | - | 20 |
| Copper, Total | 48. | 21 | 69 | 100 | | - | - | 75-125 | - | 20 |
| Iron, Total | 30000 | 84.2 | 30000 | **0** | Q | - | - | 75-125 | - | 20 |
| Lead, Total | 100 | 43 | 110 | **23** | Q | - | - | 75-125 | - | 20 |
| Magnesium, Total | 18000 | 842 | 20000 | **237** | Q | - | - | 75-125 | - | 20 |
| Manganese, Total | 320 | 42.1 | 340 | **47** | Q | - | - | 75-125 | - | 20 |
| Nickel, Total | 26. | 42.1 | 57 | **74** | Q | - | - | 75-125 | - | 20 |
| Potassium, Total | 2600 | 842 | 3100 | **59** | Q | - | - | 75-125 | - | 20 |
| Selenium, Total | ND | 10.1 | 9.1 | 90 | | - | - | 75-125 | - | 20 |
| Silver, Total | ND | 25.3 | 23 | 91 | | - | - | 75-125 | - | 20 |
| Sodium, Total | 210 | 842 | 1000 | 94 | | - | - | 75-125 | - | 20 |
| Thallium, Total | ND | 10.1 | 6.7 | **66** | Q | - | - | 75-125 | - | 20 |
| Vanadium, Total | 28. | 42.1 | 70 | 100 | | - | - | 75-125 | - | 20 |

# Matrix Spike Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 10-14 QC Batch ID: WG773890-4 QC Sample: L1506286-10 Client ID: SB-5 (14.5-15.0) | | | | | | | | | | |
| Zinc, Total | 81. | 42.1 | 93 | **28** | Q | - | - | 75-125 | - | 20 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG772484-3 QC Sample: L1506286-01 Client ID: SB-1 (1.5-2.0) | | | | | | |
| Mercury, Total | 0.06J | 0.07J | mg/kg | NC | | 20 |
| Dissolved Metals - Westborough Lab Associated sample(s): 15-16 QC Batch ID: WG772541-3 QC Sample: L1506050-01 Client ID: DUP Sample | | | | | | |
| Mercury, Dissolved | ND | ND | mg/l | NC | | 20 |
| Total Metals - Westborough Lab Associated sample(s): 15-18 QC Batch ID: WG772543-3 QC Sample: L1506050-05 Client ID: DUP Sample | | | | | | |
| Mercury, Total | 0.00016J | 0.00017J | mg/l | NC | | 20 |
| Dissolved Metals - Westborough Lab Associated sample(s): 15-16 QC Batch ID: WG772569-3 QC Sample: L1506050-01 Client ID: DUP Sample | | | | | | |
| Arsenic, Dissolved | 0.00081 | 0.00064 | mg/l | **24** | Q | 20 |
| Barium, Dissolved | 0.1272 | 0.1254 | mg/l | 1 | | 20 |
| Beryllium, Dissolved | ND | ND | mg/l | NC | | 20 |
| Cadmium, Dissolved | 0.00011J | 0.00011J | mg/l | NC | | 20 |
| Chromium, Dissolved | 0.00072J | 0.00063J | mg/l | NC | | 20 |
| Copper, Dissolved | 0.00030J | 0.00043J | mg/l | NC | | 20 |
| Lead, Dissolved | ND | ND | mg/l | NC | | 20 |
| Nickel, Dissolved | 0.00924 | 0.00818 | mg/l | 12 | | 20 |
| Selenium, Dissolved | 0.00195J | 0.00183J | mg/l | NC | | 20 |
| Silver, Dissolved | ND | ND | mg/l | NC | | 20 |
| Zinc, Dissolved | ND | ND | mg/l | NC | | 20 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| Dissolved Metals - Westborough Lab Associated sample(s): 15-16 QC Batch ID: WG772569-3 QC Sample: L1506050-01 Client ID: DUP Sample | | | | | |
| Manganese, Dissolved | 1.263 | 1.251 | mg/l | 1 | 20 |
| Total Metals - Westborough Lab Associated sample(s): 17 QC Batch ID: WG773234-3 QC Sample: L1506249-01 Client ID: DUP Sample | | | | | |
| Arsenic, Total | 0.0406 | 0.0410 | mg/l | 1 | 20 |
| Calcium, Total | 17. | 17 | mg/l | 0 | 20 |
| Iron, Total | 6.4 | 6.3 | mg/l | 2 | 20 |
| Magnesium, Total | 2.7 | 2.6 | mg/l | 4 | 20 |
| Manganese, Total | 3.36 | 3.33 | mg/l | 1 | 20 |
| Potassium, Total | 21. | 20 | mg/l | 5 | 20 |
| Sodium, Total | 3.8 | 3.7 | mg/l | 3 | 20 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | Native Sample | Duplicate Sample | Units | RPD | | RPD Limits |
|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 10-14 QC Batch ID: WG773890-3 QC Sample: L1506286-10 Client ID: SB-5 (14.5-15.0) | | | | | | |
| Aluminum, Total | 7400 | 7800 | mg/kg | 5 | | 20 |
| Antimony, Total | ND | ND | mg/kg | NC | | 20 |
| Arsenic, Total | 11. | 9.9 | mg/kg | 11 | | 20 |
| Barium, Total | 84. | 75 | mg/kg | 11 | | 20 |
| Beryllium, Total | 0.17J | 0.15J | mg/kg | NC | | 20 |
| Cadmium, Total | ND | ND | mg/kg | NC | | 20 |
| Calcium, Total | 50000 | 47000 | mg/kg | 6 | | 20 |
| Chromium, Total | 22. | 23 | mg/kg | 4 | | 20 |
| Cobalt, Total | 7.0 | 6.3 | mg/kg | 11 | | 20 |
| Copper, Total | 48. | 44 | mg/kg | 9 | | 20 |
| Iron, Total | 30000 | 25000 | mg/kg | 18 | | 20 |
| Lead, Total | 100 | 74 | mg/kg | **30** | Q | 20 |
| Magnesium, Total | 18000 | 19000 | mg/kg | 5 | | 20 |
| Manganese, Total | 320 | 260 | mg/kg | **21** | Q | 20 |
| Nickel, Total | 26. | 21 | mg/kg | **21** | Q | 20 |
| Potassium, Total | 2600 | 2600 | mg/kg | 0 | | 20 |
| Selenium, Total | ND | ND | mg/kg | NC | | 20 |
| Silver, Total | ND | ND | mg/kg | NC | | 20 |
| Sodium, Total | 210 | 200 | mg/kg | 5 | | 20 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | Native Sample | Duplicate Sample | Units | RPD | | RPD Limits |
|---|---|---|---|---|---|---|
| Total Metals - Westborough Lab Associated sample(s): 10-14 QC Batch ID: WG773890-3 QC Sample: L1506286-10 Client ID: SB-5 (14.5-15.0) | | | | | | |
| Thallium, Total | ND | ND | mg/kg | NC | | 20 |
| Vanadium, Total | 28. | 29 | mg/kg | 4 | | 20 |
| Zinc, Total | 81. | 65 | mg/kg | **22** | Q | 20 |

# INORGANICS
# &
# MISCELLANEOUS

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-01
Client ID: SB-1 (1.5-2.0)
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 03/30/15 11:46
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 87.4 | | % | 0.100 | NA | 1 | - | 04/01/15 20:02 | 30,2540G | RT |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-02
Client ID: SB-1 (14.5-15.0)
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 03/30/15 12:15
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 90.6 | | % | 0.100 | NA | 1 | - | 04/01/15 20:02 | 30,2540G | RT |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-03
Client ID: SB-2 (1.5-2.0)
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 03/30/15 10:42
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 88.9 | | % | 0.100 | NA | 1 | - | 04/01/15 20:02 | 30,2540G | RT |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-04
Client ID: SB-2 (14.5-15.0)
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 03/30/15 10:58
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 88.6 | | % | 0.100 | NA | 1 | - | 04/01/15 20:02 | 30,2540G | RT |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-05
Client ID: SB-3 (1.5-2.0)
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 03/30/15 11:07
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 88.7 | | % | 0.100 | NA | 1 | - | 04/01/15 20:02 | 30,2540G | RT |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-06
Client ID: SB-3 (14.5-15.0)
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 03/30/15 11:53
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 92.4 | | % | 0.100 | NA | 1 | - | 04/01/15 20:02 | 30,2540G | RT |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-07
Client ID: SB-4 (1.5-2.0)
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 03/30/15 09:31
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 87.1 | | % | 0.100 | NA | 1 | - | 04/01/15 20:02 | 30,2540G | RT |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-08
Client ID: SB-4 (14.5-15.0)
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 03/30/15 09:55
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 86.7 | | % | 0.100 | NA | 1 | - | 04/01/15 20:02 | 30,2540G | RT |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-09
Client ID: SB-5 (1.5-2.0)
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 03/30/15 10:10
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 87.1 | | % | 0.100 | NA | 1 | - | 04/01/15 20:02 | 30,2540G | RT |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-10
Client ID: SB-5 (14.5-15.0)
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 03/30/15 10:14
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 92.1 | | % | 0.100 | NA | 1 | - | 04/01/15 20:02 | 30,2540G | RT |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-11
Client ID: SB-6 (1.5-2.0)
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 03/30/15 08:34
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 86.8 | | % | 0.100 | NA | 1 | - | 04/01/15 20:02 | 30,2540G | RT |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-12
Client ID: SB-6 (14.5-15.0)
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 03/30/15 08:42
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 84.5 | | % | 0.100 | NA | 1 | - | 04/01/15 20:02 | 30,2540G | RT |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-13
Client ID: SB-7 (1.5-2.0)
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 03/30/15 08:58
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 88.2 | | % | 0.100 | NA | 1 | - | 04/01/15 20:02 | 30,2540G | RT |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## SAMPLE RESULTS

Lab ID: L1506286-14
Client ID: SB-7 (14.5-15.0)
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 03/30/15 09:10
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 85.3 | | % | 0.100 | NA | 1 | - | 04/01/15 20:02 | 30,2540G | RT |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| General Chemistry - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG772734-1 QC Sample: L1506244-01 Client ID: DUP Sample | | | | | | |
| Solids, Total | 96.4 | 96.6 | % | 0 | | 20 |

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** 04/01/2015 02:52

| Cooler Information | Custody Seal |
|---|---|
| **Cooler** | |
| A | Absent |
| B | Absent |
| C | Absent |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1506286-01A | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-01B | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-01C | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-01D | Plastic 2oz unpreserved for TS | A | N/A | 3.0 | Y | Absent | TS(7) |
| L1506286-01E | Glass 250ml/8oz unpreserved | A | N/A | 3.0 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1506286-01X | Vial MeOH preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-01Y | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-01Z | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-02A | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-02B | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-02C | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-02D | Plastic 2oz unpreserved for TS | A | N/A | 3.0 | Y | Absent | TS(7) |

*Values in parentheses indicate holding time in days

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1506286-02E | Glass 250ml/8oz unpreserved | A | N/A | 3.0 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1506286-02X | Vial MeOH preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-02Y | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-02Z | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-03A | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-03B | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-03C | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-03D | Plastic 2oz unpreserved for TS | A | N/A | 3.0 | Y | Absent | TS(7) |
| L1506286-03E | Glass 250ml/8oz unpreserved | A | N/A | 3.0 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1506286-03X | Vial MeOH preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-03Y | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-03Z | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-04A | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-04B | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-04C | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-04D | Plastic 2oz unpreserved for TS | A | N/A | 3.0 | Y | Absent | TS(7) |

*Values in parentheses indicate holding time in days

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1506286-04E | Glass 250ml/8oz unpreserved | A | N/A | 3.0 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1506286-04X | Vial MeOH preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-04Y | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-04Z | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-05A | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-05B | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-05C | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-05D | Plastic 2oz unpreserved for TS | A | N/A | 3.0 | Y | Absent | TS(7) |
| L1506286-05E | Glass 250ml/8oz unpreserved | A | N/A | 3.0 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1506286-05X | Vial MeOH preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-05Y | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-05Z | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-06A | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-06B | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-06C | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-06D | Plastic 2oz unpreserved for TS | A | N/A | 3.0 | Y | Absent | TS(7) |

*Values in parentheses indicate holding time in days

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1506286-06E | Glass 250ml/8oz unpreserved | A | N/A | 3.0 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1506286-06X | Vial MeOH preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-06Y | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-06Z | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-07A | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-07B | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-07C | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-07D | Plastic 2oz unpreserved for TS | A | N/A | 3.0 | Y | Absent | TS(7) |
| L1506286-07E | Glass 250ml/8oz unpreserved | A | N/A | 3.0 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1506286-07X | Vial MeOH preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-07Y | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-07Z | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-08A | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-08B | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-08C | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-08D | Plastic 2oz unpreserved for TS | A | N/A | 3.0 | Y | Absent | TS(7) |

*Values in parentheses indicate holding time in days

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1506286-08E | Glass 250ml/8oz unpreserved | A | N/A | 3.0 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1506286-08X | Vial MeOH preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-08Y | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-08Z | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-09A | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-09B | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-09C | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-09D | Plastic 2oz unpreserved for TS | A | N/A | 3.0 | Y | Absent | TS(7) |
| L1506286-09E | Glass 250ml/8oz unpreserved | A | N/A | 3.0 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1506286-09X | Vial MeOH preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-09Y | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-09Z | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-10A | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-10B | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-10C | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-10D | Plastic 2oz unpreserved for TS | A | N/A | 3.0 | Y | Absent | TS(7) |

*Values in parentheses indicate holding time in days

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1506286-10E | Glass 250ml/8oz unpreserved | A | N/A | 3.0 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1506286-10X | Vial MeOH preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-10Y | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-10Z | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-11A | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-11B | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-11C | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-11D | Plastic 2oz unpreserved for TS | A | N/A | 3.0 | Y | Absent | TS(7) |
| L1506286-11E | Glass 250ml/8oz unpreserved | A | N/A | 3.0 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1506286-11X | Vial MeOH preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-11Y | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-11Z | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-12A | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-12B | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-12C | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-12D | Plastic 2oz unpreserved for TS | A | N/A | 3.0 | Y | Absent | TS(7) |

*Values in parentheses indicate holding time in days

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1506286-12E | Glass 250ml/8oz unpreserved | A | N/A | 3.0 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1506286-12X | Vial MeOH preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-12Y | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-12Z | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-13A | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-13B | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-13C | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-13D | Plastic 2oz unpreserved for TS | A | N/A | 3.0 | Y | Absent | TS(7) |
| L1506286-13E | Glass 250ml/8oz unpreserved | A | N/A | 3.0 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1506286-13X | Vial MeOH preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-13Y | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-13Z | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-14A | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-14B | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-14C | 5 gram Encore Sampler | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(2) |
| L1506286-14D | Plastic 2oz unpreserved for TS | A | N/A | 3.0 | Y | Absent | TS(7) |

*Values in parentheses indicate holding time in days

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1506286-14E | Glass 250ml/8oz unpreserved | A | N/A | 3.0 | Y | Absent | BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1506286-14X | Vial MeOH preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-14Y | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-14Z | Vial Water preserved split | A | N/A | 3.0 | Y | Absent | NYTCL-8260HLW(14) |
| L1506286-15A | Vial HCl preserved | C | N/A | 3.6 | Y | Absent | NYTCL-8260(14) |
| L1506286-15B | Vial HCl preserved | C | N/A | 3.6 | Y | Absent | NYTCL-8260(14) |
| L1506286-15C | Vial HCl preserved | C | N/A | 3.6 | Y | Absent | NYTCL-8260(14) |
| L1506286-15D | Plastic 250ml HNO3 preserved | C | <2 | 3.6 | Y | Absent | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1506286-15E | Plastic 250ml HNO3 preserved | C | <2 | 3.6 | Y | Absent | CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28) |
| L1506286-15F | Amber 1000ml unpreserved | C | 7 | 3.6 | Y | Absent | NYTCL-8082-1200ML(7) |
| L1506286-15G | Amber 1000ml unpreserved | C | 7 | 3.6 | Y | Absent | NYTCL-8082-1200ML(7) |
| L1506286-15H | Amber 500ml unpreserved | C | 7 | 3.6 | Y | Absent | NYTCL-8081(7) |
| L1506286-15I | Amber 500ml unpreserved | C | 7 | 3.6 | Y | Absent | NYTCL-8081(7) |
| L1506286-15J | Amber 1000ml unpreserved | C | 7 | 3.6 | Y | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1506286-15K | Amber 1000ml unpreserved | C | 7 | 3.6 | Y | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7) |

*Values in parentheses indicate holding time in days

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1506286-16A | Vial HCl preserved | C | N/A | 3.6 | Y | Absent | NYTCL-8260(14) |
| L1506286-16B | Vial HCl preserved | C | N/A | 3.6 | Y | Absent | NYTCL-8260(14) |
| L1506286-16C | Vial HCl preserved | C | N/A | 3.6 | Y | Absent | NYTCL-8260(14) |
| L1506286-16D | Plastic 250ml HNO3 preserved | C | <2 | 3.6 | Y | Absent | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1506286-16E | Plastic 250ml HNO3 preserved | C | <2 | 3.6 | Y | Absent | CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28) |
| L1506286-16F | Amber 1000ml unpreserved | C | 7 | 3.6 | Y | Absent | NYTCL-8082-1200ML(7) |
| L1506286-16G | Amber 1000ml unpreserved | C | 7 | 3.6 | Y | Absent | NYTCL-8082-1200ML(7) |
| L1506286-16H | Amber 500ml unpreserved | C | 7 | 3.6 | Y | Absent | NYTCL-8081(7) |
| L1506286-16I | Amber 500ml unpreserved | C | 7 | 3.6 | Y | Absent | NYTCL-8081(7) |
| L1506286-16J | Amber 1000ml unpreserved | B | 7 | 2.3 | Y | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1506286-16K | Amber 1000ml unpreserved | B | 7 | 2.3 | Y | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1506286-17A | Vial HCl preserved | B | N/A | 2.3 | Y | Absent | NYTCL-8260(14) |
| L1506286-17B | Vial HCl preserved | B | N/A | 2.3 | Y | Absent | NYTCL-8260(14) |
| L1506286-17C | Vial HCl preserved | B | N/A | 2.3 | Y | Absent | NYTCL-8260(14) |
| L1506286-17D | Plastic 250ml HNO3 preserved | B | <2 | 2.3 | Y | Absent | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |
| L1506286-17E | Amber 1000ml unpreserved | B | 7 | 2.3 | Y | Absent | NYTCL-8270(7) |
| L1506286-17F | Amber 1000ml unpreserved | B | 7 | 2.3 | Y | Absent | NYTCL-8270(7) |

*Values in parentheses indicate holding time in days

**Project Name:** LANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506286
**Report Date:** 04/09/15

## Container Information

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1506286-17G | Amber 500ml unpreserved | B | 7 | 2.3 | Y | Absent | NYTCL-8081(7) |
| L1506286-17H | Amber 500ml unpreserved | B | 7 | 2.3 | Y | Absent | NYTCL-8081(7) |
| L1506286-17I | Amber 1000ml unpreserved | B | 7 | 2.3 | Y | Absent | NYTCL-8082-1200ML(7) |
| L1506286-17J | Amber 1000ml unpreserved | B | 7 | 2.3 | Y | Absent | NYTCL-8082-1200ML(7) |
| L1506286-18A | Vial HCl preserved | B | N/A | 2.3 | Y | Absent | NYTCL-8260(14) |
| L1506286-18B | Vial HCl preserved | B | N/A | 2.3 | Y | Absent | NYTCL-8260(14) |
| L1506286-18C | Vial HCl preserved | B | N/A | 2.3 | Y | Absent | NYTCL-8260(14) |
| L1506286-18D | Plastic 250ml HNO3 preserved | B | <2 | 2.3 | Y | Absent | BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L1506286-18E | Amber 1000ml unpreserved | B | 7 | 2.3 | Y | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1506286-18F | Amber 1000ml unpreserved | B | 7 | 2.3 | Y | Absent | NYTCL-8270(7),NYTCL-8270-SIM(7) |
| L1506286-18G | Amber 500ml unpreserved | B | 7 | 2.3 | Y | Absent | NYTCL-8081(7) |
| L1506286-18H | Amber 500ml unpreserved | B | 7 | 2.3 | Y | Absent | NYTCL-8081(7) |
| L1506286-18I | Amber 1000ml unpreserved | B | 7 | 2.3 | Y | Absent | NYTCL-8082-1200ML(7) |
| L1506286-18J | Amber 1000ml unpreserved | B | 7 | 2.3 | Y | Absent | NYTCL-8082-1200ML(7) |
| L1506286-19A | Vial HCl preserved | B | N/A | 2.3 | Y | Absent | NYTCL-8260(14) |

## Container Comments

L1506286-15G

L1506286-15H

L1506286-16F

L1506286-16H

L1506286-17G

L1506286-17I

L1506286-18G

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | LANDING RD. BRONX | **Lab Number:** | L1506286 |
| **Project Number:** | 12.0076232.20 | **Report Date:** | 04/09/15 |

# GLOSSARY

### *Acronyms*

| | |
|---|---|
| EDL | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME). |
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NI | - Not Ignitable. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |

### *Footnotes*

| | |
|---|---|
| 1 | - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method. |

### *Terms*

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

| | |
|---|---|
| **A** | - Spectra identified as "Aldol Condensation Product". |
| **B** | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone). |
| **C** | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses. |
| **D** | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte. |
| **E** | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument. |

*Report Format:* DU Report with 'J' Qualifiers

| | | | |
|---|---|---|---|
| **Project Name:** | LANDING RD. BRONX | **Lab Number:** | L1506286 |
| **Project Number:** | 12.0076232.20 | **Report Date:** | 04/09/15 |

***Data Qualifiers***

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The lower value for the two columns has been reported due to obvious interference.

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**S** - Analytical results are from modified screening analysis.

**J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

*Report Format:* DU Report with 'J' Qualifiers

**Project Name:** LANDING RD. BRONX **Lab Number:** L1506286
**Project Number:** 12.0076232.20 **Report Date:** 04/09/15

## REFERENCES


1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.


## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certification Information

Last revised December 16, 2014

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**The following analytes are not included in our NELAP Scope of Accreditation:**

**Westborough Facility**
**EPA 524.2:** Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
**EPA 8260C:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
**EPA 8270D:** 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
**EPA 625:** 4-Chloroaniline, 4-Methylphenol.
**SM4500**: Soil: Total Phosphorus, TKN, NO2, NO3.
**EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

**Mansfield Facility**
**EPA 8270D:** Biphenyl.
**EPA 2540D:** TSS
**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

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**The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:**

***Drinking Water***
**EPA 200.8**: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
**EPA 300.0**: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
**EPA 332**: Perchlorate.
**Microbiology**: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

***Non-Potable Water***
**EPA 200.8**: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
**EPA 200.7**: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
**EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH**, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
**EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
**EPA 624**: Volatile Halocarbons & Aromatics,
**EPA 608**: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
**EPA 625**: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
**Microbiology**: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

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For a complete listing of analytes and methods, please contact your Alpha Project Manager.

# NEW JERSEY CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

**Service Centers**
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 01-Apr-15

ALPHA Job #: L1506156

**Project Information**
Project Name: Landing Rd. Bronx
Project Location: Bronx NY
Project #: 12.0076238.20
(Use Project name as Project #) ☐
Project Manager: A. Elkesham
ALPHAQuote #:

**Client Information**
Client: GZA GEOENVIRONMENTAL
Address: 55 LANE RD.
SUITE 401 FAIRFIELD NJ 07004
Phone: 973 774-3316
Fax: 973 774-3350
Email: ashleen.elkesham@gza.com

**Turn-Around Time**
Standard ☒ Due Date: 02-Apr-15
Rush (only if pre approved) ☐ # of Days:

**Deliverables**
☒ ~~NJ Full / Reduced~~ NY PACKAGE
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

**Regulatory Requirement**
☒ SRS Residential/Non Residential
☒ SRS Impact to Groundwater
☒ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☐ Other

**Billing Information**
☒ Same as Client Info
PO #

**Site Information**
Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

**For EPH, selection is REQUIRED:**
☐ Category 1
☐ Category 2

**For VOC, selection is REQUIRED:**
☐ 1,4-Dioxane
☐ 8011

**Other project specific requirements/comments:**

**Please specify Metals or TAL.**

**ANALYSIS**

***Sample Filtration***
☒ Done
☐ Lab to do
***Preservation***
☐ Lab to do
***(Please Specify below)***

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | VOCs (8260) | SVOC (8270) | PEST/PCB (8081/8082) | METALS (6010/7471) | Sample Specific Comments | Total Bottle |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 06286-01 | SB-1 (1.5-2.0) | 3/30/15 | 1146 | SOIL | AE | X | X | X | X | | 5 |
| -02 | SB-1 (14.5-15.0) | | 1215 | | | | | | | | 5 |
| -03 | SB-2 (1.5-2.0) | | 1042 | | | | | | | | 5 |
| -04 | SB-2 (14.5-15.0) | | 1058 | | | | | | | | 5 |
| -05 | SB-3 (1.5-2.0) | | 1107 | | | | | | | | 5 |
| -06 | SB-3 (14.5-15.0) | | 1153 | | | | | | | | 5 |
| -07 | SB-4 (1.5-2.0) | | 0931 | | | | | | | | 5 |
| -08 | SB-4 (14.5-15.0) | | 0955 | | | | | | | | 5 |
| -09 | SB-5 (1.5-2.0) | | 1010 | | | | | | | | 5 |
| -10 | SB-5 (14.5-15.0) | | 1014 | | | | | | | | 5 |
| | | | | | Container Type | P,G E | PG E | PG E | PG E | | |
| | | | | | Preservative | - | - | - | - | | |

Preservative Code:
A = None
B = HCl
C = $HNO_3$
D = $H_2SO_4$
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Ashleen Elkesham | 3/31/15 1345 | (AAL) | 3/31/15 1345 |
| [illegible] | 3/31/15 1820 | Tom Tobin | 3-31-15 1820 |
| Tom Tobin | 3-31-15 0015 | Graham Phillips | 01-Apr-15 0015 |
| | 04/01/15 | | |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)

# NEW JERSEY CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

**Service Centers**
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 04-APR-15

ALPHA Job #: L1506282

**Client Information**
Client: GZA GEOENVIRONMENTAL
Address: 55 LANE RD
FAIRFIELD NJ 07004
Phone: 973-774-3316
Fax: 973-774-3350
Email: ashleen.elitsian@gza.com

**Project Information**
Project Name: Landing Rd Bronx
Project Location: Bronx NY
Project #: 12.0076232.90
(Use Project name as Project #) ☐
Project Manager: A. Elitsian
ALPHAQuote #:

**Turn-Around Time**
Standard ☐ Due Date: 07-Apr-15
Rush (only if pre approved) ☐ # of Days:

**Deliverables**
☐ NJ Full / Reduced
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other NY PACKAGE

**Billing Information**
☒ Same as Client Info
PO #

**Regulatory Requirement**
☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☐ Other

**Site Information**
Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

**For EPH, selection is REQUIRED:**
☐ Category 1
☐ Category 2

**For VOC, selection is REQUIRED:**
☐ 1,4-Dioxane
☐ 8011

**Other project specific requirements/comments:**
**Please specify Metals or TAL.**

**Sample Filtration**
☒ Done
☐ Lab to do
**Preservation**
☐ Lab to do
*(Please Specify below)*

**ANALYSIS**

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | VOCs (8260) | SVOCs (8270) | PEST/PCBs (8081/8082) | METALS (6010,7471) | DISSOLVED METALS | | | | Sample Specific Comments | Total Bottle |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80256 | SB-6 (1.5-2.0) | 3/30/15 | 0834 | SOIL | AE | X | X | X | X | | | | | | 5 |
| -12 | SB-6 (14.5-15.0) | | 0842 | | | | | | | | | | | | 5 |
| -13 | SB-7 (1.5-2.0) | | 0858 | | | | | | | | | | | | 5 |
| -14 | SB-7 (14.5-15.0) | | 0910 | | | | | | | | | | | | 5 |
| -15 | TW-2 | | 1437 | GW | | X | X | X | X | X | | | | | 11 |
| -16 | TW-3 | | 1534 | GW | | X | X | X | X | X | | | | | 11 |
| -17 | FIELD BLANK (033015) | | 1640 | FB | | X | X | X | X | | | | | | 11 |
| -18 | FBW (033015) | | 0800 | FB | | X | X | X | X | | | | | | 11 |
| -19 | TRIP BLANK | 3/26/15 | – | – | – | X | | | | | | | | | 1 |

| Container Type | PG VE | PG VE | PG VE | PG VE | P | | | |
|---|---|---|---|---|---|---|---|---|
| Preservative | HCL | – | – | $HNO_3$ | – | | | |

Preservative Code:
A = None
B = HCl
C = $HNO_3$
D = $H_2SO_4$
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| Ashleen Elitsian | 3/31/15 1345 | (AAL) | 3/31/15 1345 |
| | 3/31/15 1820 | | 3-31-15 1820 |
| | 3/31/15 04/01/15 0015 | | 01-Apr-15 0015 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)

# APPENDIX F

# SOIL VAPOR LABORATORY REPORT

# ANALYTICAL REPORT

| | |
|---|---|
| Lab Number: | L1506295 |
| Client: | GZA GeoEnvironmental, Inc.<br>55 Lane Road<br>Suite 407<br>Fairfield, NJ 07004 |
| ATTN: | Arsheen Ehtesham |
| Phone: | (973) 774-3300 |
| Project Name: | BLANDING RD. BRONX |
| Project Number: | 12.0076232.20 |
| Report Date: | 04/07/15 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), ME (MA00030), PA (68-02089), VA (460194), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), USFWS (Permit #LE2069641), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506295
**Report Date:** 04/07/15

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|---|---|---|---|---|---|
| L1506295-01 | SG-1 | SOIL_VAPOR | BRONX, NY | 03/31/15 09:01 | 03/31/15 |
| L1506295-02 | SG-2 | SOIL_VAPOR | BRONX, NY | 03/31/15 09:58 | 03/31/15 |
| L1506295-03 | SG-3 | SOIL_VAPOR | BRONX, NY | 03/31/15 10:11 | 03/31/15 |
| L1506295-04 | SG-4 | SOIL_VAPOR | BRONX, NY | 03/31/15 10:15 | 03/31/15 |

**Project Name:** BLANDING RD. BRONX **Lab Number:** L1506295
**Project Number:** 12.0076232.20 **Report Date:** 04/07/15

## Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

**Project Name:** BLANDING RD. BRONX **Lab Number:** L1506295
**Project Number:** 12.0076232.20 **Report Date:** 04/07/15

**Case Narrative (continued)**

Volatile Organics in Air

Canisters were released from the laboratory on March 27, 2015. The canister certification results are provided as an addendum.

Samples L1506295-01 through -04 and WG773358-5 Duplicate have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

Sample L1506295-03 was diluted and re-analyzed to quantify the sample within the calibration range. The result should be considered estimated, and are qualified with an E flag, for any compound that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

Sample L1506295-04 results for Acetone should be considered estimated due to co-elution with a non-target peak.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 04/07/15

# AIR

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506295
**Report Date:** 04/07/15

## SAMPLE RESULTS

Lab ID: L1506295-01 D
Client ID: SG-1
Sample Location: BRONX, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/04/15 02:16
Analyst: RY

Date Collected: 03/31/15 09:01
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | ND | 0.400 | -- | ND | 1.98 | -- | | 2 |
| Chloromethane | 0.400 | 0.400 | -- | 0.826 | 0.826 | -- | | 2 |
| Freon-114 | ND | 0.400 | -- | ND | 2.80 | -- | | 2 |
| Vinyl chloride | ND | 0.400 | -- | ND | 1.02 | -- | | 2 |
| 1,3-Butadiene | 0.756 | 0.400 | -- | 1.67 | 0.885 | -- | | 2 |
| Bromomethane | ND | 0.400 | -- | ND | 1.55 | -- | | 2 |
| Chloroethane | ND | 0.400 | -- | ND | 1.06 | -- | | 2 |
| Ethanol | ND | 5.00 | -- | ND | 9.42 | -- | | 2 |
| Vinyl bromide | ND | 0.400 | -- | ND | 1.75 | -- | | 2 |
| Acetone | 22.2 | 2.00 | -- | 52.7 | 4.75 | -- | | 2 |
| Trichlorofluoromethane | ND | 0.400 | -- | ND | 2.25 | -- | | 2 |
| Isopropanol | ND | 1.00 | -- | ND | 2.46 | -- | | 2 |
| 1,1-Dichloroethene | ND | 0.400 | -- | ND | 1.59 | -- | | 2 |
| Tertiary butyl Alcohol | ND | 1.00 | -- | ND | 3.03 | -- | | 2 |
| Methylene chloride | ND | 1.00 | -- | ND | 3.47 | -- | | 2 |
| 3-Chloropropene | ND | 0.400 | -- | ND | 1.25 | -- | | 2 |
| Carbon disulfide | 6.15 | 0.400 | -- | 19.2 | 1.25 | -- | | 2 |
| Freon-113 | ND | 0.400 | -- | ND | 3.07 | -- | | 2 |
| trans-1,2-Dichloroethene | ND | 0.400 | -- | ND | 1.59 | -- | | 2 |
| 1,1-Dichloroethane | ND | 0.400 | -- | ND | 1.62 | -- | | 2 |
| Methyl tert butyl ether | ND | 0.400 | -- | ND | 1.44 | -- | | 2 |
| 2-Butanone | 2.47 | 1.00 | -- | 7.28 | 2.95 | -- | | 2 |
| cis-1,2-Dichloroethene | 0.878 | 0.400 | -- | 3.48 | 1.59 | -- | | 2 |
| Ethyl Acetate | ND | 1.00 | -- | ND | 3.60 | -- | | 2 |

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506295
**Report Date:** 04/07/15

## SAMPLE RESULTS

Lab ID: L1506295-01 D
Client ID: SG-1
Sample Location: BRONX, NY
Date Collected: 03/31/15 09:01
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| **Volatile Organics in Air - Mansfield Lab** | | | | | | | | |
| Chloroform | ND | 0.400 | -- | ND | 1.95 | -- | | 2 |
| Tetrahydrofuran | ND | 1.00 | -- | ND | 2.95 | -- | | 2 |
| 1,2-Dichloroethane | ND | 0.400 | -- | ND | 1.62 | -- | | 2 |
| n-Hexane | 1.68 | 0.400 | -- | 5.92 | 1.41 | -- | | 2 |
| 1,1,1-Trichloroethane | ND | 0.400 | -- | ND | 2.18 | -- | | 2 |
| Benzene | 2.04 | 0.400 | -- | 6.52 | 1.28 | -- | | 2 |
| Carbon tetrachloride | ND | 0.400 | -- | ND | 2.52 | -- | | 2 |
| Cyclohexane | 1.80 | 0.400 | -- | 6.20 | 1.38 | -- | | 2 |
| 1,2-Dichloropropane | ND | 0.400 | -- | ND | 1.85 | -- | | 2 |
| Bromodichloromethane | ND | 0.400 | -- | ND | 2.68 | -- | | 2 |
| 1,4-Dioxane | ND | 0.400 | -- | ND | 1.44 | -- | | 2 |
| Trichloroethene | ND | 0.400 | -- | ND | 2.15 | -- | | 2 |
| 2,2,4-Trimethylpentane | 2.67 | 0.400 | -- | 12.5 | 1.87 | -- | | 2 |
| Heptane | 7.93 | 0.400 | -- | 32.5 | 1.64 | -- | | 2 |
| cis-1,3-Dichloropropene | ND | 0.400 | -- | ND | 1.82 | -- | | 2 |
| 4-Methyl-2-pentanone | ND | 1.00 | -- | ND | 4.10 | -- | | 2 |
| trans-1,3-Dichloropropene | ND | 0.400 | -- | ND | 1.82 | -- | | 2 |
| 1,1,2-Trichloroethane | ND | 0.400 | -- | ND | 2.18 | -- | | 2 |
| Toluene | 37.9 | 0.400 | -- | 143 | 1.51 | -- | | 2 |
| 2-Hexanone | ND | 0.400 | -- | ND | 1.64 | -- | | 2 |
| Dibromochloromethane | ND | 0.400 | -- | ND | 3.41 | -- | | 2 |
| 1,2-Dibromoethane | ND | 0.400 | -- | ND | 3.07 | -- | | 2 |
| Tetrachloroethene | ND | 0.400 | -- | ND | 2.71 | -- | | 2 |
| Chlorobenzene | ND | 0.400 | -- | ND | 1.84 | -- | | 2 |
| Ethylbenzene | 30.8 | 0.400 | -- | 134 | 1.74 | -- | | 2 |
| p/m-Xylene | 154 | 0.800 | -- | 669 | 3.47 | -- | | 2 |
| Bromoform | ND | 0.400 | -- | ND | 4.14 | -- | | 2 |
| Styrene | ND | 0.400 | -- | ND | 1.70 | -- | | 2 |

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506295
**Report Date:** 04/07/15

## SAMPLE RESULTS

Lab ID: L1506295-01 D
Client ID: SG-1
Sample Location: BRONX, NY
Date Collected: 03/31/15 09:01
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.400 | -- | ND | 2.75 | -- | | 2 |
| o-Xylene | 75.8 | 0.400 | -- | 329 | 1.74 | -- | | 2 |
| 4-Ethyltoluene | 21.5 | 0.400 | -- | 106 | 1.97 | -- | | 2 |
| 1,3,5-Trimethylbenzene | 39.8 | 0.400 | -- | 196 | 1.97 | -- | | 2 |
| 1,2,4-Trimethylbenzene | 150 | 0.400 | -- | 737 | 1.97 | -- | | 2 |
| Benzyl chloride | ND | 0.400 | -- | ND | 2.07 | -- | | 2 |
| 1,3-Dichlorobenzene | ND | 0.400 | -- | ND | 2.40 | -- | | 2 |
| 1,4-Dichlorobenzene | ND | 0.400 | -- | ND | 2.40 | -- | | 2 |
| 1,2-Dichlorobenzene | ND | 0.400 | -- | ND | 2.40 | -- | | 2 |
| 1,2,4-Trichlorobenzene | ND | 0.400 | -- | ND | 2.97 | -- | | 2 |
| Hexachlorobutadiene | ND | 0.400 | -- | ND | 4.27 | -- | | 2 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-Difluorobenzene | 95 | | 60-140 |
| Bromochloromethane | 92 | | 60-140 |
| chlorobenzene-d5 | 103 | | 60-140 |

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506295
**Report Date:** 04/07/15

## SAMPLE RESULTS

Lab ID: L1506295-02 D
Client ID: SG-2
Sample Location: BRONX, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/04/15 03:42
Analyst: RY

Date Collected: 03/31/15 09:58
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| **Volatile Organics in Air - Mansfield Lab** | | | | | | | | |
| Dichlorodifluoromethane | 0.500 | 0.400 | -- | 2.47 | 1.98 | -- | | 2 |
| Chloromethane | ND | 0.400 | -- | ND | 0.826 | -- | | 2 |
| Freon-114 | ND | 0.400 | -- | ND | 2.80 | -- | | 2 |
| Vinyl chloride | ND | 0.400 | -- | ND | 1.02 | -- | | 2 |
| 1,3-Butadiene | 0.420 | 0.400 | -- | 0.929 | 0.885 | -- | | 2 |
| Bromomethane | ND | 0.400 | -- | ND | 1.55 | -- | | 2 |
| Chloroethane | ND | 0.400 | -- | ND | 1.06 | -- | | 2 |
| Ethanol | ND | 5.00 | -- | ND | 9.42 | -- | | 2 |
| Vinyl bromide | ND | 0.400 | -- | ND | 1.75 | -- | | 2 |
| Acetone | 29.2 | 2.00 | -- | 69.4 | 4.75 | -- | | 2 |
| Trichlorofluoromethane | ND | 0.400 | -- | ND | 2.25 | -- | | 2 |
| Isopropanol | ND | 1.00 | -- | ND | 2.46 | -- | | 2 |
| 1,1-Dichloroethene | ND | 0.400 | -- | ND | 1.59 | -- | | 2 |
| Tertiary butyl Alcohol | ND | 1.00 | -- | ND | 3.03 | -- | | 2 |
| Methylene chloride | ND | 1.00 | -- | ND | 3.47 | -- | | 2 |
| 3-Chloropropene | ND | 0.400 | -- | ND | 1.25 | -- | | 2 |
| Carbon disulfide | 6.03 | 0.400 | -- | 18.8 | 1.25 | -- | | 2 |
| Freon-113 | ND | 0.400 | -- | ND | 3.07 | -- | | 2 |
| trans-1,2-Dichloroethene | ND | 0.400 | -- | ND | 1.59 | -- | | 2 |
| 1,1-Dichloroethane | ND | 0.400 | -- | ND | 1.62 | -- | | 2 |
| Methyl tert butyl ether | ND | 0.400 | -- | ND | 1.44 | -- | | 2 |
| 2-Butanone | 3.14 | 1.00 | -- | 9.26 | 2.95 | -- | | 2 |
| cis-1,2-Dichloroethene | ND | 0.400 | -- | ND | 1.59 | -- | | 2 |
| Ethyl Acetate | ND | 1.00 | -- | ND | 3.60 | -- | | 2 |

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506295
**Report Date:** 04/07/15

## SAMPLE RESULTS

Lab ID: L1506295-02 D
Client ID: SG-2
Sample Location: BRONX, NY
Date Collected: 03/31/15 09:58
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Chloroform | ND | 0.400 | -- | ND | 1.95 | -- | | 2 |
| Tetrahydrofuran | ND | 1.00 | -- | ND | 2.95 | -- | | 2 |
| 1,2-Dichloroethane | ND | 0.400 | -- | ND | 1.62 | -- | | 2 |
| n-Hexane | 3.00 | 0.400 | -- | 10.6 | 1.41 | -- | | 2 |
| 1,1,1-Trichloroethane | ND | 0.400 | -- | ND | 2.18 | -- | | 2 |
| Benzene | 3.46 | 0.400 | -- | 11.1 | 1.28 | -- | | 2 |
| Carbon tetrachloride | ND | 0.400 | -- | ND | 2.52 | -- | | 2 |
| Cyclohexane | 1.78 | 0.400 | -- | 6.13 | 1.38 | -- | | 2 |
| 1,2-Dichloropropane | ND | 0.400 | -- | ND | 1.85 | -- | | 2 |
| Bromodichloromethane | ND | 0.400 | -- | ND | 2.68 | -- | | 2 |
| 1,4-Dioxane | ND | 0.400 | -- | ND | 1.44 | -- | | 2 |
| Trichloroethene | ND | 0.400 | -- | ND | 2.15 | -- | | 2 |
| 2,2,4-Trimethylpentane | 2.61 | 0.400 | -- | 12.2 | 1.87 | -- | | 2 |
| Heptane | 10.9 | 0.400 | -- | 44.7 | 1.64 | -- | | 2 |
| cis-1,3-Dichloropropene | ND | 0.400 | -- | ND | 1.82 | -- | | 2 |
| 4-Methyl-2-pentanone | ND | 1.00 | -- | ND | 4.10 | -- | | 2 |
| trans-1,3-Dichloropropene | ND | 0.400 | -- | ND | 1.82 | -- | | 2 |
| 1,1,2-Trichloroethane | ND | 0.400 | -- | ND | 2.18 | -- | | 2 |
| Toluene | 47.9 | 0.400 | -- | 181 | 1.51 | -- | | 2 |
| 2-Hexanone | ND | 0.400 | -- | ND | 1.64 | -- | | 2 |
| Dibromochloromethane | ND | 0.400 | -- | ND | 3.41 | -- | | 2 |
| 1,2-Dibromoethane | ND | 0.400 | -- | ND | 3.07 | -- | | 2 |
| Tetrachloroethene | ND | 0.400 | -- | ND | 2.71 | -- | | 2 |
| Chlorobenzene | ND | 0.400 | -- | ND | 1.84 | -- | | 2 |
| Ethylbenzene | 42.0 | 0.400 | -- | 182 | 1.74 | -- | | 2 |
| p/m-Xylene | 212 | 0.800 | -- | 921 | 3.47 | -- | | 2 |
| Bromoform | ND | 0.400 | -- | ND | 4.14 | -- | | 2 |
| Styrene | ND | 0.400 | -- | ND | 1.70 | -- | | 2 |

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506295
**Report Date:** 04/07/15

## SAMPLE RESULTS

Lab ID: L1506295-02 D
Client ID: SG-2
Sample Location: BRONX, NY
Date Collected: 03/31/15 09:58
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.400 | -- | ND | 2.75 | -- | | 2 |
| o-Xylene | 104 | 0.400 | -- | 452 | 1.74 | -- | | 2 |
| 4-Ethyltoluene | 25.7 | 0.400 | -- | 126 | 1.97 | -- | | 2 |
| 1,3,5-Trimethylbenzene | 48.1 | 0.400 | -- | 236 | 1.97 | -- | | 2 |
| 1,2,4-Trimethylbenzene | 182 | 0.400 | -- | 895 | 1.97 | -- | | 2 |
| Benzyl chloride | ND | 0.400 | -- | ND | 2.07 | -- | | 2 |
| 1,3-Dichlorobenzene | ND | 0.400 | -- | ND | 2.40 | -- | | 2 |
| 1,4-Dichlorobenzene | ND | 0.400 | -- | ND | 2.40 | -- | | 2 |
| 1,2-Dichlorobenzene | ND | 0.400 | -- | ND | 2.40 | -- | | 2 |
| 1,2,4-Trichlorobenzene | ND | 0.400 | -- | ND | 2.97 | -- | | 2 |
| Hexachlorobutadiene | ND | 0.400 | -- | ND | 4.27 | -- | | 2 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-Difluorobenzene | 103 | | 60-140 |
| Bromochloromethane | 104 | | 60-140 |
| chlorobenzene-d5 | 112 | | 60-140 |

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506295
**Report Date:** 04/07/15

## SAMPLE RESULTS

Lab ID: L1506295-03 D
Client ID: SG-3
Sample Location: BRONX, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/04/15 04:26
Analyst: RY

Date Collected: 03/31/15 10:11
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | 0.494 | 0.400 | -- | 2.44 | 1.98 | -- | | 2 |
| Chloromethane | ND | 0.400 | -- | ND | 0.826 | -- | | 2 |
| Freon-114 | ND | 0.400 | -- | ND | 2.80 | -- | | 2 |
| Vinyl chloride | ND | 0.400 | -- | ND | 1.02 | -- | | 2 |
| 1,3-Butadiene | 0.488 | 0.400 | -- | 1.08 | 0.885 | -- | | 2 |
| Bromomethane | ND | 0.400 | -- | ND | 1.55 | -- | | 2 |
| Chloroethane | ND | 0.400 | -- | ND | 1.06 | -- | | 2 |
| Ethanol | ND | 5.00 | -- | ND | 9.42 | -- | | 2 |
| Vinyl bromide | ND | 0.400 | -- | ND | 1.75 | -- | | 2 |
| Acetone | 103 | 2.00 | -- | 245 | 4.75 | -- | | 2 |
| Trichlorofluoromethane | ND | 0.400 | -- | ND | 2.25 | -- | | 2 |
| Isopropanol | ND | 1.00 | -- | ND | 2.46 | -- | | 2 |
| 1,1-Dichloroethene | ND | 0.400 | -- | ND | 1.59 | -- | | 2 |
| Tertiary butyl Alcohol | ND | 1.00 | -- | ND | 3.03 | -- | | 2 |
| Methylene chloride | 1.17 | 1.00 | -- | 4.06 | 3.47 | -- | | 2 |
| 3-Chloropropene | ND | 0.400 | -- | ND | 1.25 | -- | | 2 |
| Carbon disulfide | 1.14 | 0.400 | -- | 3.55 | 1.25 | -- | | 2 |
| Freon-113 | ND | 0.400 | -- | ND | 3.07 | -- | | 2 |
| trans-1,2-Dichloroethene | ND | 0.400 | -- | ND | 1.59 | -- | | 2 |
| 1,1-Dichloroethane | ND | 0.400 | -- | ND | 1.62 | -- | | 2 |
| Methyl tert butyl ether | ND | 0.400 | -- | ND | 1.44 | -- | | 2 |
| 2-Butanone | 102 | 1.00 | -- | 301 | 2.95 | -- | | 2 |
| cis-1,2-Dichloroethene | ND | 0.400 | -- | ND | 1.59 | -- | | 2 |
| Ethyl Acetate | ND | 1.00 | -- | ND | 3.60 | -- | | 2 |

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506295
**Report Date:** 04/07/15

## SAMPLE RESULTS

Lab ID: L1506295-03 D
Client ID: SG-3
Sample Location: BRONX, NY
Date Collected: 03/31/15 10:11
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| **Volatile Organics in Air - Mansfield Lab** | | | | | | | | |
| Chloroform | 0.480 | 0.400 | -- | 2.34 | 1.95 | -- | | 2 |
| Tetrahydrofuran | 89.7 | 1.00 | -- | 265 | 2.95 | -- | | 2 |
| 1,2-Dichloroethane | ND | 0.400 | -- | ND | 1.62 | -- | | 2 |
| n-Hexane | 2.07 | 0.400 | -- | 7.30 | 1.41 | -- | | 2 |
| 1,1,1-Trichloroethane | ND | 0.400 | -- | ND | 2.18 | -- | | 2 |
| Benzene | 1.44 | 0.400 | -- | 4.60 | 1.28 | -- | | 2 |
| Carbon tetrachloride | ND | 0.400 | -- | ND | 2.52 | -- | | 2 |
| Cyclohexane | 1.24 | 0.400 | -- | 4.27 | 1.38 | -- | | 2 |
| 1,2-Dichloropropane | ND | 0.400 | -- | ND | 1.85 | -- | | 2 |
| Bromodichloromethane | ND | 0.400 | -- | ND | 2.68 | -- | | 2 |
| 1,4-Dioxane | ND | 0.400 | -- | ND | 1.44 | -- | | 2 |
| Trichloroethene | 15.6 | 0.400 | -- | 83.8 | 2.15 | -- | | 2 |
| 2,2,4-Trimethylpentane | ND | 0.400 | -- | ND | 1.87 | -- | | 2 |
| Heptane | 4.07 | 0.400 | -- | 16.7 | 1.64 | -- | | 2 |
| cis-1,3-Dichloropropene | ND | 0.400 | -- | ND | 1.82 | -- | | 2 |
| 4-Methyl-2-pentanone | ND | 1.00 | -- | ND | 4.10 | -- | | 2 |
| trans-1,3-Dichloropropene | ND | 0.400 | -- | ND | 1.82 | -- | | 2 |
| 1,1,2-Trichloroethane | ND | 0.400 | -- | ND | 2.18 | -- | | 2 |
| Toluene | 19.6 | 0.400 | -- | 73.9 | 1.51 | -- | | 2 |
| 2-Hexanone | ND | 0.400 | -- | ND | 1.64 | -- | | 2 |
| Dibromochloromethane | ND | 0.400 | -- | ND | 3.41 | -- | | 2 |
| 1,2-Dibromoethane | ND | 0.400 | -- | ND | 3.07 | -- | | 2 |
| Tetrachloroethene | 2.41 | 0.400 | -- | 16.3 | 2.71 | -- | | 2 |
| Chlorobenzene | ND | 0.400 | -- | ND | 1.84 | -- | | 2 |
| Ethylbenzene | 23.2 | 0.400 | -- | 101 | 1.74 | -- | | 2 |
| p/m-Xylene | 135 | 0.800 | -- | 586 | 3.47 | -- | | 2 |
| Bromoform | ND | 0.400 | -- | ND | 4.14 | -- | | 2 |
| Styrene | ND | 0.400 | -- | ND | 1.70 | -- | | 2 |

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506295
**Report Date:** 04/07/15

## SAMPLE RESULTS

Lab ID: L1506295-03 D
Client ID: SG-3
Sample Location: BRONX, NY
Date Collected: 03/31/15 10:11
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.400 | -- | ND | 2.75 | -- | | 2 |
| o-Xylene | 68.6 | 0.400 | -- | 298 | 1.74 | -- | | 2 |
| 4-Ethyltoluene | 32.6 | 0.400 | -- | 160 | 1.97 | -- | | 2 |
| 1,3,5-Trimethylbenzene | 47.6 | 0.400 | -- | 234 | 1.97 | -- | | 2 |
| 1,2,4-Trimethylbenzene | 203 | 0.400 | -- | 998 | 1.97 | -- | E | 2 |
| Benzyl chloride | ND | 0.400 | -- | ND | 2.07 | -- | | 2 |
| 1,3-Dichlorobenzene | ND | 0.400 | -- | ND | 2.40 | -- | | 2 |
| 1,4-Dichlorobenzene | ND | 0.400 | -- | ND | 2.40 | -- | | 2 |
| 1,2-Dichlorobenzene | ND | 0.400 | -- | ND | 2.40 | -- | | 2 |
| 1,2,4-Trichlorobenzene | ND | 0.400 | -- | ND | 2.97 | -- | | 2 |
| Hexachlorobutadiene | ND | 0.400 | -- | ND | 4.27 | -- | | 2 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-Difluorobenzene | 104 | | 60-140 |
| Bromochloromethane | 106 | | 60-140 |
| chlorobenzene-d5 | 104 | | 60-140 |

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506295
**Report Date:** 04/07/15

## SAMPLE RESULTS

| | | | | |
|---|---|---|---|---|
| Lab ID: | L1506295-03 | D2 | Date Collected: | 03/31/15 10:11 |
| Client ID: | SG-3 | | Date Received: | 03/31/15 |
| Sample Location: | BRONX, NY | | Field Prep: | Not Specified |
| Matrix: | Soil_Vapor | | | |
| Anaytical Method: | 48,TO-15 | | | |
| Analytical Date: | 04/04/15 08:44 | | | |
| Analyst: | RY | | | |

| | ppbV | | | ug/m3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **Parameter** | **Results** | **RL** | **MDL** | **Results** | **RL** | **MDL** | **Qualifier** | **Dilution Factor** |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| 1,2,4-Trimethylbenzene | 205 | 0.667 | -- | 1010 | 3.28 | -- | | 3.333 |

| **Internal Standard** | **% Recovery** | **Qualifier** | **Acceptance Criteria** |
|---|---|---|---|
| 1,4-Difluorobenzene | 113 | | 60-140 |
| Bromochloromethane | 107 | | 60-140 |
| chlorobenzene-d5 | 102 | | 60-140 |

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506295
**Report Date:** 04/07/15

## SAMPLE RESULTS

Lab ID: L1506295-04 D
Client ID: SG-4
Sample Location: BRONX, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/04/15 05:09
Analyst: RY

Date Collected: 03/31/15 10:15
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| **Volatile Organics in Air - Mansfield Lab** | | | | | | | | |
| Dichlorodifluoromethane | 0.600 | 0.400 | -- | 2.97 | 1.98 | -- | | 2 |
| Chloromethane | ND | 0.400 | -- | ND | 0.826 | -- | | 2 |
| Freon-114 | ND | 0.400 | -- | ND | 2.80 | -- | | 2 |
| Vinyl chloride | ND | 0.400 | -- | ND | 1.02 | -- | | 2 |
| 1,3-Butadiene | 0.468 | 0.400 | -- | 1.04 | 0.885 | -- | | 2 |
| Bromomethane | ND | 0.400 | -- | ND | 1.55 | -- | | 2 |
| Chloroethane | ND | 0.400 | -- | ND | 1.06 | -- | | 2 |
| Ethanol | ND | 5.00 | -- | ND | 9.42 | -- | | 2 |
| Vinyl bromide | ND | 0.400 | -- | ND | 1.75 | -- | | 2 |
| Acetone | 4.16 | 2.00 | -- | 9.88 | 4.75 | -- | | 2 |
| Trichlorofluoromethane | ND | 0.400 | -- | ND | 2.25 | -- | | 2 |
| Isopropanol | ND | 1.00 | -- | ND | 2.46 | -- | | 2 |
| 1,1-Dichloroethene | ND | 0.400 | -- | ND | 1.59 | -- | | 2 |
| Tertiary butyl Alcohol | ND | 1.00 | -- | ND | 3.03 | -- | | 2 |
| Methylene chloride | ND | 1.00 | -- | ND | 3.47 | -- | | 2 |
| 3-Chloropropene | ND | 0.400 | -- | ND | 1.25 | -- | | 2 |
| Carbon disulfide | 2.94 | 0.400 | -- | 9.16 | 1.25 | -- | | 2 |
| Freon-113 | ND | 0.400 | -- | ND | 3.07 | -- | | 2 |
| trans-1,2-Dichloroethene | ND | 0.400 | -- | ND | 1.59 | -- | | 2 |
| 1,1-Dichloroethane | ND | 0.400 | -- | ND | 1.62 | -- | | 2 |
| Methyl tert butyl ether | ND | 0.400 | -- | ND | 1.44 | -- | | 2 |
| 2-Butanone | ND | 1.00 | -- | ND | 2.95 | -- | | 2 |
| cis-1,2-Dichloroethene | ND | 0.400 | -- | ND | 1.59 | -- | | 2 |
| Ethyl Acetate | ND | 1.00 | -- | ND | 3.60 | -- | | 2 |

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506295
**Report Date:** 04/07/15

## SAMPLE RESULTS

Lab ID: L1506295-04 D
Client ID: SG-4
Sample Location: BRONX, NY
Date Collected: 03/31/15 10:15
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| **Volatile Organics in Air - Mansfield Lab** | | | | | | | | |
| Chloroform | 2.52 | 0.400 | -- | 12.3 | 1.95 | -- | | 2 |
| Tetrahydrofuran | ND | 1.00 | -- | ND | 2.95 | -- | | 2 |
| 1,2-Dichloroethane | 1.15 | 0.400 | -- | 4.65 | 1.62 | -- | | 2 |
| n-Hexane | 6.10 | 0.400 | -- | 21.5 | 1.41 | -- | | 2 |
| 1,1,1-Trichloroethane | ND | 0.400 | -- | ND | 2.18 | -- | | 2 |
| Benzene | 10.2 | 0.400 | -- | 32.6 | 1.28 | -- | | 2 |
| Carbon tetrachloride | ND | 0.400 | -- | ND | 2.52 | -- | | 2 |
| Cyclohexane | 2.41 | 0.400 | -- | 8.30 | 1.38 | -- | | 2 |
| 1,2-Dichloropropane | ND | 0.400 | -- | ND | 1.85 | -- | | 2 |
| Bromodichloromethane | ND | 0.400 | -- | ND | 2.68 | -- | | 2 |
| 1,4-Dioxane | ND | 0.400 | -- | ND | 1.44 | -- | | 2 |
| Trichloroethene | 32.3 | 0.400 | -- | 174 | 2.15 | -- | | 2 |
| 2,2,4-Trimethylpentane | 7.88 | 0.400 | -- | 36.8 | 1.87 | -- | | 2 |
| Heptane | 6.91 | 0.400 | -- | 28.3 | 1.64 | -- | | 2 |
| cis-1,3-Dichloropropene | ND | 0.400 | -- | ND | 1.82 | -- | | 2 |
| 4-Methyl-2-pentanone | ND | 1.00 | -- | ND | 4.10 | -- | | 2 |
| trans-1,3-Dichloropropene | ND | 0.400 | -- | ND | 1.82 | -- | | 2 |
| 1,1,2-Trichloroethane | ND | 0.400 | -- | ND | 2.18 | -- | | 2 |
| Toluene | 22.7 | 0.400 | -- | 85.5 | 1.51 | -- | | 2 |
| 2-Hexanone | ND | 0.400 | -- | ND | 1.64 | -- | | 2 |
| Dibromochloromethane | ND | 0.400 | -- | ND | 3.41 | -- | | 2 |
| 1,2-Dibromoethane | ND | 0.400 | -- | ND | 3.07 | -- | | 2 |
| Tetrachloroethene | 1.99 | 0.400 | -- | 13.5 | 2.71 | -- | | 2 |
| Chlorobenzene | ND | 0.400 | -- | ND | 1.84 | -- | | 2 |
| Ethylbenzene | 16.1 | 0.400 | -- | 69.9 | 1.74 | -- | | 2 |
| p/m-Xylene | 93.6 | 0.800 | -- | 407 | 3.47 | -- | | 2 |
| Bromoform | ND | 0.400 | -- | ND | 4.14 | -- | | 2 |
| Styrene | ND | 0.400 | -- | ND | 1.70 | -- | | 2 |

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506295
**Report Date:** 04/07/15

## SAMPLE RESULTS

Lab ID: L1506295-04 D
Client ID: SG-4
Sample Location: BRONX, NY
Date Collected: 03/31/15 10:15
Date Received: 03/31/15
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.400 | -- | ND | 2.75 | -- | | 2 |
| o-Xylene | 48.5 | 0.400 | -- | 211 | 1.74 | -- | | 2 |
| 4-Ethyltoluene | 21.0 | 0.400 | -- | 103 | 1.97 | -- | | 2 |
| 1,3,5-Trimethylbenzene | 42.4 | 0.400 | -- | 208 | 1.97 | -- | | 2 |
| 1,2,4-Trimethylbenzene | 188 | 0.400 | -- | 924 | 1.97 | -- | | 2 |
| Benzyl chloride | ND | 0.400 | -- | ND | 2.07 | -- | | 2 |
| 1,3-Dichlorobenzene | ND | 0.400 | -- | ND | 2.40 | -- | | 2 |
| 1,4-Dichlorobenzene | ND | 0.400 | -- | ND | 2.40 | -- | | 2 |
| 1,2-Dichlorobenzene | ND | 0.400 | -- | ND | 2.40 | -- | | 2 |
| 1,2,4-Trichlorobenzene | ND | 0.400 | -- | ND | 2.97 | -- | | 2 |
| Hexachlorobutadiene | ND | 0.400 | -- | ND | 4.27 | -- | | 2 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-Difluorobenzene | 104 | | 60-140 |
| Bromochloromethane | 102 | | 60-140 |
| chlorobenzene-d5 | 109 | | 60-140 |

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506295
**Report Date:** 04/07/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/03/15 14:04

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG773358-4 | | | | | | | | |
| Propylene | ND | 0.500 | -- | ND | 0.861 | -- | | 1 |
| Dichlorodifluoromethane | ND | 0.200 | -- | ND | 0.989 | -- | | 1 |
| Chloromethane | ND | 0.200 | -- | ND | 0.413 | -- | | 1 |
| Freon-114 | ND | 0.200 | -- | ND | 1.40 | -- | | 1 |
| Vinyl chloride | ND | 0.200 | -- | ND | 0.511 | -- | | 1 |
| 1,3-Butadiene | ND | 0.200 | -- | ND | 0.442 | -- | | 1 |
| Bromomethane | ND | 0.200 | -- | ND | 0.777 | -- | | 1 |
| Chloroethane | ND | 0.200 | -- | ND | 0.528 | -- | | 1 |
| Ethanol | ND | 2.50 | -- | ND | 4.71 | -- | | 1 |
| Vinyl bromide | ND | 0.200 | -- | ND | 0.874 | -- | | 1 |
| Acetone | ND | 1.00 | -- | ND | 2.38 | -- | | 1 |
| Trichlorofluoromethane | ND | 0.200 | -- | ND | 1.12 | -- | | 1 |
| Isopropanol | ND | 0.500 | -- | ND | 1.23 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Tertiary butyl Alcohol | ND | 0.500 | -- | ND | 1.52 | -- | | 1 |
| Methylene chloride | ND | 0.500 | -- | ND | 1.74 | -- | | 1 |
| 3-Chloropropene | ND | 0.200 | -- | ND | 0.626 | -- | | 1 |
| Carbon disulfide | ND | 0.200 | -- | ND | 0.623 | -- | | 1 |
| Freon-113 | ND | 0.200 | -- | ND | 1.53 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| Methyl tert butyl ether | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Vinyl acetate | ND | 0.200 | -- | ND | 0.704 | -- | | 1 |
| 2-Butanone | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506295
**Report Date:** 04/07/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/03/15 14:04

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG773358-4 | | | | | | | | |
| Ethyl Acetate | ND | 0.500 | -- | ND | 1.80 | -- | | 1 |
| Chloroform | ND | 0.200 | -- | ND | 0.977 | -- | | 1 |
| Tetrahydrofuran | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| n-Hexane | ND | 0.200 | -- | ND | 0.705 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Benzene | ND | 0.200 | -- | ND | 0.639 | -- | | 1 |
| Carbon tetrachloride | ND | 0.200 | -- | ND | 1.26 | -- | | 1 |
| Cyclohexane | ND | 0.200 | -- | ND | 0.688 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Bromodichloromethane | ND | 0.200 | -- | ND | 1.34 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Trichloroethene | ND | 0.200 | -- | ND | 1.07 | -- | | 1 |
| 2,2,4-Trimethylpentane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Heptane | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 4-Methyl-2-pentanone | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Toluene | ND | 0.200 | -- | ND | 0.754 | -- | | 1 |
| 2-Hexanone | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| Dibromochloromethane | ND | 0.200 | -- | ND | 1.70 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.200 | -- | ND | 1.54 | -- | | 1 |
| Tetrachloroethene | ND | 0.200 | -- | ND | 1.36 | -- | | 1 |
| Chlorobenzene | ND | 0.200 | -- | ND | 0.921 | -- | | 1 |

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506295
**Report Date:** 04/07/15

# Method Blank Analysis
## Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/03/15 14:04

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG773358-4 | | | | | | | | |
| Ethylbenzene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| p/m-Xylene | ND | 0.400 | -- | ND | 1.74 | -- | | 1 |
| Bromoform | ND | 0.200 | -- | ND | 2.07 | -- | | 1 |
| Styrene | ND | 0.200 | -- | ND | 0.852 | -- | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| o-Xylene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,3,5-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.200 | -- | ND | 2.13 | -- | | 1 |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506295
**Report Date:** 04/07/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG773358-3 | | | | | | | | |
| Chlorodifluoromethane | 98 | | - | | 70-130 | - | | |
| Propylene | 107 | | - | | 70-130 | - | | |
| Propane | 91 | | - | | 70-130 | - | | |
| Dichlorodifluoromethane | 108 | | - | | 70-130 | - | | |
| Chloromethane | 108 | | - | | 70-130 | - | | |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | 106 | | - | | 70-130 | - | | |
| Methanol | 89 | | - | | 70-130 | - | | |
| Vinyl chloride | 107 | | - | | 70-130 | - | | |
| 1,3-Butadiene | 111 | | - | | 70-130 | - | | |
| Butane | 98 | | - | | 70-130 | - | | |
| Bromomethane | 109 | | - | | 70-130 | - | | |
| Chloroethane | 103 | | - | | 70-130 | - | | |
| Ethyl Alcohol | 103 | | - | | 70-130 | - | | |
| Dichlorofluoromethane | 94 | | - | | 70-130 | - | | |
| Vinyl bromide | 97 | | - | | 70-130 | - | | |
| Acrolein | 91 | | - | | 70-130 | - | | |
| Acetone | 115 | | - | | 70-130 | - | | |
| Acetonitrile | 97 | | - | | 70-130 | - | | |
| Trichlorofluoromethane | 102 | | - | | 70-130 | - | | |
| iso-Propyl Alcohol | 98 | | - | | 70-130 | - | | |
| Acrylonitrile | 95 | | - | | 70-130 | - | | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506295
**Report Date:** 04/07/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG773358-3 | | | | | | | | |
| Pentane | 93 | | - | | 70-130 | - | | |
| Ethyl ether | 90 | | - | | 70-130 | - | | |
| 1,1-Dichloroethene | 100 | | - | | 70-130 | - | | |
| tert-Butyl Alcohol | 90 | | - | | 70-130 | - | | |
| Methylene chloride | 98 | | - | | 70-130 | - | | |
| 3-Chloropropene | 103 | | - | | 70-130 | - | | |
| Carbon disulfide | 88 | | - | | 70-130 | - | | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 98 | | - | | 70-130 | - | | |
| trans-1,2-Dichloroethene | 89 | | - | | 70-130 | - | | |
| 1,1-Dichloroethane | 97 | | - | | 70-130 | - | | |
| Methyl tert butyl ether | 93 | | - | | 70-130 | - | | |
| Vinyl acetate | 110 | | - | | 70-130 | - | | |
| 2-Butanone | 100 | | - | | 70-130 | - | | |
| cis-1,2-Dichloroethene | 108 | | - | | 70-130 | - | | |
| Ethyl Acetate | 97 | | - | | 70-130 | - | | |
| Chloroform | 102 | | - | | 70-130 | - | | |
| Tetrahydrofuran | 89 | | - | | 70-130 | - | | |
| 2,2-Dichloropropane | 89 | | - | | 70-130 | - | | |
| 1,2-Dichloroethane | 109 | | - | | 70-130 | - | | |
| n-Hexane | 104 | | - | | 70-130 | - | | |
| Isopropyl Ether | 95 | | - | | 70-130 | - | | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506295
**Report Date:** 04/07/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG773358-3 | | | | | | | | |
| Ethyl-Tert-Butyl-Ether | 96 | | - | | 70-130 | - | | |
| 1,1,1-Trichloroethane | 120 | | - | | 70-130 | - | | |
| 1,1-Dichloropropene | 99 | | - | | 70-130 | - | | |
| Benzene | 105 | | - | | 70-130 | - | | |
| Carbon tetrachloride | 126 | | - | | 70-130 | - | | |
| Cyclohexane | 103 | | - | | 70-130 | - | | |
| Tertiary-Amyl Methyl Ether | 89 | | - | | 70-130 | - | | |
| Dibromomethane | 96 | | - | | 70-130 | - | | |
| 1,2-Dichloropropane | 105 | | - | | 70-130 | - | | |
| Bromodichloromethane | 107 | | - | | 70-130 | - | | |
| 1,4-Dioxane | 96 | | - | | 70-130 | - | | |
| Trichloroethene | 97 | | - | | 70-130 | - | | |
| 2,2,4-Trimethylpentane | 103 | | - | | 70-130 | - | | |
| Methyl Methacrylate | 94 | | - | | 70-130 | - | | |
| Heptane | 99 | | - | | 70-130 | - | | |
| cis-1,3-Dichloropropene | 107 | | - | | 70-130 | - | | |
| 4-Methyl-2-pentanone | 107 | | - | | 70-130 | - | | |
| trans-1,3-Dichloropropene | 92 | | - | | 70-130 | - | | |
| 1,1,2-Trichloroethane | 105 | | - | | 70-130 | - | | |
| Toluene | 99 | | - | | 70-130 | - | | |
| 1,3-Dichloropropane | 93 | | - | | 70-130 | - | | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506295
**Report Date:** 04/07/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG773358-3 | | | | | | | | |
| 2-Hexanone | 102 | | - | | 70-130 | - | | |
| Dibromochloromethane | 100 | | - | | 70-130 | - | | |
| 1,2-Dibromoethane | 99 | | - | | 70-130 | - | | |
| Butyl Acetate | 88 | | - | | 70-130 | - | | |
| Octane | 86 | | - | | 70-130 | - | | |
| Tetrachloroethene | 92 | | - | | 70-130 | - | | |
| 1,1,1,2-Tetrachloroethane | 90 | | - | | 70-130 | - | | |
| Chlorobenzene | 98 | | - | | 70-130 | - | | |
| Ethylbenzene | 102 | | - | | 70-130 | - | | |
| p/m-Xylene | 102 | | - | | 70-130 | - | | |
| Bromoform | 103 | | - | | 70-130 | - | | |
| Styrene | 102 | | - | | 70-130 | - | | |
| 1,1,2,2-Tetrachloroethane | 108 | | - | | 70-130 | - | | |
| o-Xylene | 105 | | - | | 70-130 | - | | |
| 1,2,3-Trichloropropane | 96 | | - | | 70-130 | - | | |
| Nonane (C9) | 99 | | - | | 70-130 | - | | |
| Isopropylbenzene | 98 | | - | | 70-130 | - | | |
| Bromobenzene | 97 | | - | | 70-130 | - | | |
| o-Chlorotoluene | 95 | | - | | 70-130 | - | | |
| n-Propylbenzene | 94 | | - | | 70-130 | - | | |
| p-Chlorotoluene | 87 | | - | | 70-130 | - | | |

# Lab Control Sample Analysis
## Batch Quality Control

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20
**Lab Number:** L1506295
**Report Date:** 04/07/15

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG773358-3 | | | | | | | | |
| 4-Ethyltoluene | 106 | | - | | 70-130 | - | | |
| 1,3,5-Trimethylbenzene | 97 | | - | | 70-130 | - | | |
| tert-Butylbenzene | 95 | | - | | 70-130 | - | | |
| 1,2,4-Trimethylbenzene | 107 | | - | | 70-130 | - | | |
| Decane (C10) | 102 | | - | | 70-130 | - | | |
| Benzyl chloride | 115 | | - | | 70-130 | - | | |
| 1,3-Dichlorobenzene | 110 | | - | | 70-130 | - | | |
| 1,4-Dichlorobenzene | 104 | | - | | 70-130 | - | | |
| sec-Butylbenzene | 98 | | - | | 70-130 | - | | |
| p-Isopropyltoluene | 91 | | - | | 70-130 | - | | |
| 1,2-Dichlorobenzene | 107 | | - | | 70-130 | - | | |
| n-Butylbenzene | 110 | | - | | 70-130 | - | | |
| 1,2-Dibromo-3-chloropropane | 107 | | - | | 70-130 | - | | |
| Undecane | 112 | | - | | 70-130 | - | | |
| Dodecane (C12) | 117 | | - | | 70-130 | - | | |
| 1,2,4-Trichlorobenzene | 116 | | - | | 70-130 | - | | |
| Naphthalene | 115 | | - | | 70-130 | - | | |
| 1,2,3-Trichlorobenzene | 108 | | - | | 70-130 | - | | |
| Hexachlorobutadiene | 107 | | - | | 70-130 | - | | |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506295
**Report Date:** 04/07/15

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG773358-5 QC Sample: L1506295-01 Client ID: SG-1 | | | | | | |
| Dichlorodifluoromethane | ND | 0.432 | ppbV | NC | | 25 |
| Chloromethane | 0.400 | 0.468 | ppbV | 16 | | 25 |
| Freon-114 | ND | ND | ppbV | NC | | 25 |
| Vinyl chloride | ND | ND | ppbV | NC | | 25 |
| 1,3-Butadiene | 0.756 | 0.832 | ppbV | 10 | | 25 |
| Bromomethane | ND | ND | ppbV | NC | | 25 |
| Chloroethane | ND | ND | ppbV | NC | | 25 |
| Ethanol | ND | ND | ppbV | NC | | 25 |
| Vinyl bromide | ND | ND | ppbV | NC | | 25 |
| Acetone | 22.2 | 23.7 | ppbV | 7 | | 25 |
| Trichlorofluoromethane | ND | ND | ppbV | NC | | 25 |
| Isopropanol | ND | ND | ppbV | NC | | 25 |
| 1,1-Dichloroethene | ND | ND | ppbV | NC | | 25 |
| Tertiary butyl Alcohol | ND | ND | ppbV | NC | | 25 |
| Methylene chloride | ND | ND | ppbV | NC | | 25 |
| 3-Chloropropene | ND | ND | ppbV | NC | | 25 |
| Carbon disulfide | 6.15 | 6.65 | ppbV | 8 | | 25 |
| Freon-113 | ND | ND | ppbV | NC | | 25 |
| trans-1,2-Dichloroethene | ND | ND | ppbV | NC | | 25 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506295
**Report Date:** 04/07/15

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG773358-5 QC Sample: L1506295-01 Client ID: SG-1 | | | | | |
| 1,1-Dichloroethane | ND | ND | ppbV | NC | 25 |
| Methyl tert butyl ether | ND | ND | ppbV | NC | 25 |
| 2-Butanone | 2.47 | 2.54 | ppbV | 3 | 25 |
| cis-1,2-Dichloroethene | 0.878 | 0.892 | ppbV | 2 | 25 |
| Ethyl Acetate | ND | ND | ppbV | NC | 25 |
| Chloroform | ND | ND | ppbV | NC | 25 |
| Tetrahydrofuran | ND | ND | ppbV | NC | 25 |
| 1,2-Dichloroethane | ND | ND | ppbV | NC | 25 |
| n-Hexane | 1.68 | 1.96 | ppbV | 15 | 25 |
| 1,1,1-Trichloroethane | ND | ND | ppbV | NC | 25 |
| Benzene | 2.04 | 2.21 | ppbV | 8 | 25 |
| Carbon tetrachloride | ND | ND | ppbV | NC | 25 |
| Cyclohexane | 1.80 | 1.93 | ppbV | 7 | 25 |
| 1,2-Dichloropropane | ND | ND | ppbV | NC | 25 |
| Bromodichloromethane | ND | ND | ppbV | NC | 25 |
| 1,4-Dioxane | ND | ND | ppbV | NC | 25 |
| Trichloroethene | ND | ND | ppbV | NC | 25 |
| 2,2,4-Trimethylpentane | 2.67 | 2.71 | ppbV | 1 | 25 |
| Heptane | 7.93 | 8.02 | ppbV | 1 | 25 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506295
**Report Date:** 04/07/15

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG773358-5 QC Sample: L1506295-01 Client ID: SG-1 | | | | | |
| cis-1,3-Dichloropropene | ND | ND | ppbV | NC | 25 |
| 4-Methyl-2-pentanone | ND | ND | ppbV | NC | 25 |
| trans-1,3-Dichloropropene | ND | ND | ppbV | NC | 25 |
| 1,1,2-Trichloroethane | ND | ND | ppbV | NC | 25 |
| Toluene | 37.9 | 38.4 | ppbV | 1 | 25 |
| 2-Hexanone | ND | ND | ppbV | NC | 25 |
| Dibromochloromethane | ND | ND | ppbV | NC | 25 |
| 1,2-Dibromoethane | ND | ND | ppbV | NC | 25 |
| Tetrachloroethene | ND | ND | ppbV | NC | 25 |
| Chlorobenzene | ND | ND | ppbV | NC | 25 |
| Ethylbenzene | 30.8 | 31.2 | ppbV | 1 | 25 |
| p/m-Xylene | 154 | 156 | ppbV | 1 | 25 |
| Bromoform | ND | ND | ppbV | NC | 25 |
| Styrene | ND | ND | ppbV | NC | 25 |
| 1,1,2,2-Tetrachloroethane | ND | ND | ppbV | NC | 25 |
| o-Xylene | 75.8 | 76.4 | ppbV | 1 | 25 |
| 4-Ethyltoluene | 21.5 | 24.4 | ppbV | 13 | 25 |
| 1,3,5-Trimethylbenzene | 39.8 | 37.7 | ppbV | 5 | 25 |
| 1,2,4-Trimethylbenzene | 150 | 150 | ppbV | 0 | 25 |

# Lab Duplicate Analysis
## Batch Quality Control

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506295
**Report Date:** 04/07/15

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG773358-5 QC Sample: L1506295-01 Client ID: SG-1 | | | | | |
| Benzyl chloride | ND | ND | ppbV | NC | 25 |
| 1,3-Dichlorobenzene | ND | ND | ppbV | NC | 25 |
| 1,4-Dichlorobenzene | ND | ND | ppbV | NC | 25 |
| 1,2-Dichlorobenzene | ND | ND | ppbV | NC | 25 |
| 1,2,4-Trichlorobenzene | ND | ND | ppbV | NC | 25 |
| Hexachlorobutadiene | ND | ND | ppbV | NC | 25 |

**Project Name:** BLANDING RD. BRONX

**Lab Number:** L1506295

**Project Number:** 12.0076232.20

**Report Date:** 04/07/15

## Canister and Flow Controller Information

| Samplenum | Client ID | Media ID | Media Type | Date Prepared | Bottle Order | Cleaning Batch ID | Can Leak Check | Initial Pressure (in. Hg) | Pressure on Receipt (in. Hg) | Flow Controler Leak Chk | Flow Out mL/min | Flow In mL/min | % RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1506295-01 | SG-1 | 0605 | SV200 | 03/27/15 | 201520 | | - | - | - | Pass | 222 | 214 | 4 |
| L1506295-01 | SG-1 | 464 | 2.7L Can | 03/27/15 | 201520 | L1505515-01 | Pass | -28.0 | -3.2 | - | - | - | - |
| L1506295-02 | SG-2 | 0673 | sv200 | 03/27/15 | 201520 | | - | - | - | Pass | 220 | 217 | 1 |
| L1506295-02 | SG-2 | 2042 | 2.7L Can | 03/27/15 | 201520 | L1505515-01 | Pass | -28.0 | -2.5 | - | - | - | - |
| L1506295-03 | SG-3 | 0522 | SV200 | 03/27/15 | 201520 | | - | - | - | Pass | 221 | 217 | 2 |
| L1506295-03 | SG-3 | 363 | 2.7L Can | 03/27/15 | 201520 | L1505515-01 | Pass | -28.3 | -2.7 | - | - | - | - |
| L1506295-04 | SG-4 | 0506 | SV200 | 03/27/15 | 201520 | | - | - | - | Pass | 219 | 216 | 1 |
| L1506295-04 | SG-4 | 109 | 2.7L Can | 03/27/15 | 201520 | L1505515-01 | Pass | -30.0 | -2.2 | - | - | - | - |

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1505515
**Report Date:** 04/07/15

# Air Canister Certification Results

Lab ID: L1505515-01
Client ID: CAN 377 SHELF 13
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/21/15 16:57
Analyst: RY

Date Collected: 03/19/15 18:00
Date Received: 03/20/15
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Chlorodifluoromethane | ND | 0.200 | -- | ND | 0.707 | -- | | 1 |
| Propylene | ND | 0.500 | -- | ND | 0.861 | -- | | 1 |
| Propane | ND | 0.500 | -- | ND | 0.902 | -- | | 1 |
| Dichlorodifluoromethane | ND | 0.200 | -- | ND | 0.989 | -- | | 1 |
| Chloromethane | ND | 0.200 | -- | ND | 0.413 | -- | | 1 |
| Freon-114 | ND | 0.200 | -- | ND | 1.40 | -- | | 1 |
| Methanol | ND | 5.00 | -- | ND | 6.55 | -- | | 1 |
| Vinyl chloride | ND | 0.200 | -- | ND | 0.511 | -- | | 1 |
| 1,3-Butadiene | ND | 0.200 | -- | ND | 0.442 | -- | | 1 |
| Butane | ND | 0.200 | -- | ND | 0.475 | -- | | 1 |
| Bromomethane | ND | 0.200 | -- | ND | 0.777 | -- | | 1 |
| Chloroethane | ND | 0.200 | -- | ND | 0.528 | -- | | 1 |
| Ethanol | ND | 2.50 | -- | ND | 4.71 | -- | | 1 |
| Dichlorofluoromethane | ND | 0.200 | -- | ND | 0.842 | -- | | 1 |
| Vinyl bromide | ND | 0.200 | -- | ND | 0.874 | -- | | 1 |
| Acrolein | ND | 0.500 | -- | ND | 1.15 | -- | | 1 |
| Acetone | ND | 1.00 | -- | ND | 2.38 | -- | | 1 |
| Acetonitrile | ND | 0.200 | -- | ND | 0.336 | -- | | 1 |
| Trichlorofluoromethane | ND | 0.200 | -- | ND | 1.12 | -- | | 1 |
| Isopropanol | ND | 0.500 | -- | ND | 1.23 | -- | | 1 |
| Acrylonitrile | ND | 0.500 | -- | ND | 1.09 | -- | | 1 |
| Pentane | ND | 0.200 | -- | ND | 0.590 | -- | | 1 |
| Ethyl ether | ND | 0.200 | -- | ND | 0.606 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Tertiary butyl Alcohol | ND | 0.500 | -- | ND | 1.52 | -- | | 1 |

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1505515
**Report Date:** 04/07/15

# Air Canister Certification Results

Lab ID: L1505515-01
Client ID: CAN 377 SHELF 13
Sample Location:

Date Collected: 03/19/15 18:00
Date Received: 03/20/15
Field Prep: Not Specified

| | ppbV | | | ug/m3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **Parameter** | **Results** | **RL** | **MDL** | **Results** | **RL** | **MDL** | **Qualifier** | **Dilution Factor** |
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Methylene chloride | ND | 0.500 | -- | ND | 1.74 | -- | | 1 |
| 3-Chloropropene | ND | 0.200 | -- | ND | 0.626 | -- | | 1 |
| Carbon disulfide | ND | 0.200 | -- | ND | 0.623 | -- | | 1 |
| Freon-113 | ND | 0.200 | -- | ND | 1.53 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| Methyl tert butyl ether | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |
| Vinyl acetate | ND | 0.200 | -- | ND | 0.704 | -- | | 1 |
| 2-Butanone | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |
| Ethyl Acetate | ND | 0.500 | -- | ND | 1.80 | -- | | 1 |
| Chloroform | ND | 0.200 | -- | ND | 0.977 | -- | | 1 |
| Tetrahydrofuran | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| 2,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.200 | -- | ND | 0.809 | -- | | 1 |
| n-Hexane | ND | 0.200 | -- | ND | 0.705 | -- | | 1 |
| Diisopropyl ether | ND | 0.200 | -- | ND | 0.836 | -- | | 1 |
| tert-Butyl Ethyl Ether | ND | 0.200 | -- | ND | 0.836 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| 1,1-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| Benzene | ND | 0.200 | -- | ND | 0.639 | -- | | 1 |
| Carbon tetrachloride | ND | 0.200 | -- | ND | 1.26 | -- | | 1 |
| Cyclohexane | ND | 0.200 | -- | ND | 0.688 | -- | | 1 |
| tert-Amyl Methyl Ether | ND | 0.200 | -- | ND | 0.836 | -- | | 1 |
| Dibromomethane | ND | 0.200 | -- | ND | 1.42 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| Bromodichloromethane | ND | 0.200 | -- | ND | 1.34 | -- | | 1 |
| 1,4-Dioxane | ND | 0.200 | -- | ND | 0.721 | -- | | 1 |

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1505515
**Report Date:** 04/07/15

# Air Canister Certification Results

Lab ID: L1505515-01
Client ID: CAN 377 SHELF 13
Sample Location:

Date Collected: 03/19/15 18:00
Date Received: 03/20/15
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| Trichloroethene | ND | 0.200 | -- | ND | 1.07 | -- | | 1 |
| 2,2,4-Trimethylpentane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Methyl Methacrylate | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| Heptane | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 4-Methyl-2-pentanone | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.200 | -- | ND | 0.908 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.200 | -- | ND | 1.09 | -- | | 1 |
| Toluene | ND | 0.200 | -- | ND | 0.754 | -- | | 1 |
| 1,3-Dichloropropane | ND | 0.200 | -- | ND | 0.924 | -- | | 1 |
| 2-Hexanone | ND | 0.200 | -- | ND | 0.820 | -- | | 1 |
| Dibromochloromethane | ND | 0.200 | -- | ND | 1.70 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.200 | -- | ND | 1.54 | -- | | 1 |
| Butyl acetate | ND | 0.500 | -- | ND | 2.38 | -- | | 1 |
| Octane | ND | 0.200 | -- | ND | 0.934 | -- | | 1 |
| Tetrachloroethene | ND | 0.200 | -- | ND | 1.36 | -- | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| Chlorobenzene | ND | 0.200 | -- | ND | 0.921 | -- | | 1 |
| Ethylbenzene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| p/m-Xylene | ND | 0.400 | -- | ND | 1.74 | -- | | 1 |
| Bromoform | ND | 0.200 | -- | ND | 2.07 | -- | | 1 |
| Styrene | ND | 0.200 | -- | ND | 0.852 | -- | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | 0.200 | -- | ND | 1.37 | -- | | 1 |
| o-Xylene | ND | 0.200 | -- | ND | 0.869 | -- | | 1 |
| 1,2,3-Trichloropropane | ND | 0.200 | -- | ND | 1.21 | -- | | 1 |
| Nonane | ND | 0.200 | -- | ND | 1.05 | -- | | 1 |
| Isopropylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| Bromobenzene | ND | 0.200 | -- | ND | 0.793 | -- | | 1 |

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1505515
**Report Date:** 04/07/15

# Air Canister Certification Results

Lab ID: L1505515-01
Client ID: CAN 377 SHELF 13
Sample Location:

Date Collected: 03/19/15 18:00
Date Received: 03/20/15
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |
| 2-Chlorotoluene | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| n-Propylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 4-Chlorotoluene | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 1,3,5-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| tert-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| Decane | ND | 0.200 | -- | ND | 1.16 | -- | | 1 |
| Benzyl chloride | ND | 0.200 | -- | ND | 1.04 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| sec-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| p-Isopropyltoluene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.200 | -- | ND | 1.20 | -- | | 1 |
| n-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2-Dibromo-3-chloropropane | ND | 0.200 | -- | ND | 1.93 | -- | | 1 |
| Undecane | ND | 0.200 | -- | ND | 1.28 | -- | | 1 |
| Dodecane | ND | 0.200 | -- | ND | 1.39 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Naphthalene | ND | 0.200 | -- | ND | 1.05 | -- | | 1 |
| 1,2,3-Trichlorobenzene | ND | 0.200 | -- | ND | 1.48 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.200 | -- | ND | 2.13 | -- | | 1 |

| | Results | Qualifier | Units | RDL | Dilution Factor |
|---|---|---|---|---|---|
| Tentatively Identified Compounds | | | | | |
| No Tentatively Identified Compounds | | | | | |

**Project Name:** BATCH CANISTER CERTIFICATION **Lab Number:** L1505515

**Project Number:** CANISTER QC BAT **Report Date:** 04/07/15

# Air Canister Certification Results

Lab ID: L1505515-01 Date Collected: 03/19/15 18:00

Client ID: CAN 377 SHELF 13 Date Received: 03/20/15

Sample Location: Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air - Mansfield Lab | | | | | | | | |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-Difluorobenzene | 84 | | 60-140 |
| Bromochloromethane | 85 | | 60-140 |
| chlorobenzene-d5 | 86 | | 60-140 |

**Project Name:** BATCH CANISTER CERTIFICATION
**Project Number:** CANISTER QC BAT

**Lab Number:** L1505515
**Report Date:** 04/07/15

# Air Canister Certification Results

Lab ID: L1505515-01
Client ID: CAN 377 SHELF 13
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/21/15 16:57
Analyst: RY

Date Collected: 03/19/15 18:00
Date Received: 03/20/15
Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air by SIM - Mansfield Lab | | | | | | | | |
| Dichlorodifluoromethane | ND | 0.200 | -- | ND | 0.989 | -- | | 1 |
| Chloromethane | ND | 0.200 | -- | ND | 0.413 | -- | | 1 |
| Freon-114 | ND | 0.050 | -- | ND | 0.349 | -- | | 1 |
| Vinyl chloride | ND | 0.020 | -- | ND | 0.051 | -- | | 1 |
| 1,3-Butadiene | ND | 0.020 | -- | ND | 0.044 | -- | | 1 |
| Bromomethane | ND | 0.020 | -- | ND | 0.078 | -- | | 1 |
| Chloroethane | ND | 0.020 | -- | ND | 0.053 | -- | | 1 |
| Acetone | ND | 1.00 | -- | ND | 2.38 | -- | | 1 |
| Trichlorofluoromethane | ND | 0.050 | -- | ND | 0.281 | -- | | 1 |
| Acrylonitrile | ND | 0.500 | -- | ND | 1.09 | -- | | 1 |
| 1,1-Dichloroethene | ND | 0.020 | -- | ND | 0.079 | -- | | 1 |
| Methylene chloride | ND | 0.500 | -- | ND | 1.74 | -- | | 1 |
| Freon-113 | ND | 0.050 | -- | ND | 0.383 | -- | | 1 |
| Halothane | ND | 0.050 | -- | ND | 0.404 | -- | | 1 |
| trans-1,2-Dichloroethene | ND | 0.020 | -- | ND | 0.079 | -- | | 1 |
| 1,1-Dichloroethane | ND | 0.020 | -- | ND | 0.081 | -- | | 1 |
| Methyl tert butyl ether | ND | 0.020 | -- | ND | 0.072 | -- | | 1 |
| 2-Butanone | ND | 0.500 | -- | ND | 1.47 | -- | | 1 |
| cis-1,2-Dichloroethene | ND | 0.020 | -- | ND | 0.079 | -- | | 1 |
| Chloroform | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| 1,2-Dichloroethane | ND | 0.020 | -- | ND | 0.081 | -- | | 1 |
| 1,1,1-Trichloroethane | ND | 0.020 | -- | ND | 0.109 | -- | | 1 |
| Benzene | ND | 0.100 | -- | ND | 0.319 | -- | | 1 |
| Carbon tetrachloride | ND | 0.020 | -- | ND | 0.126 | -- | | 1 |
| 1,2-Dichloropropane | ND | 0.020 | -- | ND | 0.092 | -- | | 1 |

**Project Name:** BATCH CANISTER CERTIFICATION **Lab Number:** L1505515

**Project Number:** CANISTER QC BAT **Report Date:** 04/07/15

# Air Canister Certification Results

Lab ID: L1505515-01 Date Collected: 03/19/15 18:00

Client ID: CAN 377 SHELF 13 Date Received: 03/20/15

Sample Location: Field Prep: Not Specified

| | ppbV | | | ug/m3 | | | | |
|---|---|---|---|---|---|---|---|---|
| **Parameter** | **Results** | **RL** | **MDL** | **Results** | **RL** | **MDL** | **Qualifier** | **Dilution Factor** |
| Volatile Organics in Air by SIM - Mansfield Lab | | | | | | | | |
| Bromodichloromethane | ND | 0.020 | -- | ND | 0.134 | -- | | 1 |
| 1,4-Dioxane | ND | 0.100 | -- | ND | 0.360 | -- | | 1 |
| Trichloroethene | ND | 0.020 | -- | ND | 0.107 | -- | | 1 |
| cis-1,3-Dichloropropene | ND | 0.020 | -- | ND | 0.091 | -- | | 1 |
| 4-Methyl-2-pentanone | ND | 0.500 | -- | ND | 2.05 | -- | | 1 |
| trans-1,3-Dichloropropene | ND | 0.020 | -- | ND | 0.091 | -- | | 1 |
| 1,1,2-Trichloroethane | ND | 0.020 | -- | ND | 0.109 | -- | | 1 |
| Toluene | ND | 0.050 | -- | ND | 0.188 | -- | | 1 |
| Dibromochloromethane | ND | 0.020 | -- | ND | 0.170 | -- | | 1 |
| 1,2-Dibromoethane | ND | 0.020 | -- | ND | 0.154 | -- | | 1 |
| Tetrachloroethene | ND | 0.020 | -- | ND | 0.136 | -- | | 1 |
| 1,1,1,2-Tetrachloroethane | ND | 0.020 | -- | ND | 0.137 | -- | | 1 |
| Chlorobenzene | ND | 0.020 | -- | ND | 0.092 | -- | | 1 |
| Ethylbenzene | ND | 0.020 | -- | ND | 0.087 | -- | | 1 |
| p/m-Xylene | ND | 0.040 | -- | ND | 0.174 | -- | | 1 |
| Bromoform | ND | 0.020 | -- | ND | 0.207 | -- | | 1 |
| Styrene | ND | 0.020 | -- | ND | 0.085 | -- | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | 0.020 | -- | ND | 0.137 | -- | | 1 |
| o-Xylene | ND | 0.020 | -- | ND | 0.087 | -- | | 1 |
| Isopropylbenzene | ND | 0.200 | -- | ND | 0.983 | -- | | 1 |
| 4-Ethyltoluene | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| 1,3,5-Trimethybenzene | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| 1,2,4-Trimethylbenzene | ND | 0.020 | -- | ND | 0.098 | -- | | 1 |
| 1,3-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |
| 1,4-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |
| sec-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| p-Isopropyltoluene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2-Dichlorobenzene | ND | 0.020 | -- | ND | 0.120 | -- | | 1 |

**Project Name:** BATCH CANISTER CERTIFICATION **Lab Number:** L1505515

**Project Number:** CANISTER QC BAT **Report Date:** 04/07/15

# Air Canister Certification Results

Lab ID: L1505515-01 Date Collected: 03/19/15 18:00

Client ID: CAN 377 SHELF 13 Date Received: 03/20/15

Sample Location: Field Prep: Not Specified

| Parameter | ppbV Results | ppbV RL | ppbV MDL | ug/m3 Results | ug/m3 RL | ug/m3 MDL | Qualifier | Dilution Factor |
|---|---|---|---|---|---|---|---|---|
| Volatile Organics in Air by SIM - Mansfield Lab | | | | | | | | |
| n-Butylbenzene | ND | 0.200 | -- | ND | 1.10 | -- | | 1 |
| 1,2,4-Trichlorobenzene | ND | 0.050 | -- | ND | 0.371 | -- | | 1 |
| Naphthalene | ND | 0.050 | -- | ND | 0.262 | -- | | 1 |
| 1,2,3-Trichlorobenzene | ND | 0.050 | -- | ND | 0.371 | -- | | 1 |
| Hexachlorobutadiene | ND | 0.050 | -- | ND | 0.533 | -- | | 1 |

| Internal Standard | % Recovery | Qualifier | Acceptance Criteria |
|---|---|---|---|
| 1,4-difluorobenzene | 86 | | 60-140 |
| bromochloromethane | 86 | | 60-140 |
| chlorobenzene-d5 | 89 | | 60-140 |

**Project Name:** BLANDING RD. BRONX
**Project Number:** 12.0076232.20

**Lab Number:** L1506295
**Report Date:** 04/07/15

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

**Reagent H2O Preserved Vials Frozen on:** NA

**Cooler Information** **Custody Seal**

| Cooler | |
|---|---|
| N/A | Present/Intact |

**Container Information**

| Container ID | Container Type | Cooler | pH | Temp deg C | Pres | Seal | Analysis(*) |
|---|---|---|---|---|---|---|---|
| L1506295-01A | Canister - 2.7 Liter | N/A | NA | | Y | Present/Intact | TO15-LL(30) |
| L1506295-02A | Canister - 2.7 Liter | N/A | NA | | Y | Absent | TO15-LL(30) |
| L1506295-03A | Canister - 2.7 Liter | N/A | NA | | Y | Absent | TO15-LL(30) |
| L1506295-04A | Canister - 2.7 Liter | N/A | NA | | Y | Absent | TO15-LL(30) |

*Values in parentheses indicate holding time in days

| | | | |
|---|---|---|---|
| **Project Name:** | BLANDING RD. BRONX | **Lab Number:** | L1506295 |
| **Project Number:** | 12.0076232.20 | **Report Date:** | 04/07/15 |

# GLOSSARY

### *Acronyms*

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### *Footnotes*

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### *Terms*

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### *Data Qualifiers*

**A** - Spectra identified as "Aldol Condensation Product".

**B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

**C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

**D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

**E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

*Report Format:* Data Usability Report

| | | | |
|---|---|---|---|
| **Project Name:** | BLANDING RD. BRONX | **Lab Number:** | L1506295 |
| **Project Number:** | 12.0076232.20 | **Report Date:** | 04/07/15 |

***Data Qualifiers***

**G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

**H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

**I** - The lower value for the two columns has been reported due to obvious interference.

**M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

**P** - The RPD between the results for the two columns exceeds the method-specified criteria.

**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**S** - Analytical results are from modified screening analysis.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

*Report Format:* Data Usability Report

**Project Name:** BLANDING RD. BRONX **Lab Number:** L1506295
**Project Number:** 12.0076232.20 **Report Date:** 04/07/15

## REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

# Certification Information

Last revised December 16, 2014

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**The following analytes are not included in our NELAP Scope of Accreditation:**

**Westborough Facility**
**EPA 524.2:** Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
**EPA 8260C:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
**EPA 8270D:** 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
**EPA 625:** 4-Chloroaniline, 4-Methylphenol.
**SM4500**: Soil: Total Phosphorus, TKN, NO2, NO3.
**EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

**Mansfield Facility**
**EPA 8270D:** Biphenyl.
**EPA 2540D:** TSS
**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

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**The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:**

***Drinking Water***
**EPA 200.8**: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
**EPA 300.0**: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
**EPA 332**: Perchlorate.
**Microbiology**: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

***Non-Potable Water***
**EPA 200.8**: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
**EPA 200.7**: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
**EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH**, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
**EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
**EPA 624**: Volatile Halocarbons & Aromatics,
**EPA 608**: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
**EPA 625**: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
**Microbiology**: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

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For a complete listing of analytes and methods, please contact your Alpha Project Manager.

# AIR ANALYSIS

PAGE 1 OF 1

**CHAIN OF CUSTODY**

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1506295

**Client Information**

Client: G2A GEOENVIRONMENTAL
Address: 55 LANE RD. SUITE 407
FAIRFIELD NJ 07004
Phone: 973 774 3316
Fax: 973 774 3350
Email: asheen.ehtesham@g2a.com
☐ These samples have been previously analyzed by Alpha

**Project Information**

Project Name: Blanding Rd Bronx
Project Location: Bronx NY
Project #: 18.0076232.20
Project Manager: A. Ehtesham
ALPHA Quote #:

**Turn-Around Time**

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

**Report Information - Data Deliverables**

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

**Billing Information**

☒ Same as Client info PO #:

**Regulatory Requirements/Report Limits**

| State/Fed | Program | Criteria |
|---|---|---|
| | | |
| | | |
| | | |

Other Project Specific Requirements/Comments:

**All Columns Below Must Be Filled Out**

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Start Time | End Time | Initial Vacuum | Final Vacuum | Sample Matrix* | Sampler's Initials | Can Size | I D Can | I D - Flow Controller | TO-14A by TO-15 | TO-15 | TO-15 SIM | APH | FIXED GASES | TO-13A | TO-4 / TO-10 | Sample Comments (i.e. PID) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06295-01 | SG-1 | 3/31/15 | 0851 | 0901 | -27.52 | -4.40 | SV | AE | 2.7L | 464 | 0605 | | X | | | | | | |
| -02 | SG-2 | ↓ | 0947 | 0958 | -27.89 | -3.52 | SV | AE | ↓ | 2042 | 0673 | | X | | | | | | |
| -03 | SG-3 | ↓ | 1001 | 1011 | -27.99 | -4.00 | SV | AE | ↓ | 363 | 0522 | | X | | | | | | |
| -04 | SG-4 | ↓ | 1003 | 1015 | -29.71 | -8.66 | SV | AE | ↓ | 109 | 0506 | | X | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |
| Container Type | | | | | | | | | | | | | SC | | | | | | |

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

| Relinquished By: | Date/Time | Received By: | Date/Time: |
|---|---|---|---|
| Asheen Ehtesham | 3/31/15 1345 | (AAL) | 3/31/15 1345 |
| | 3/31/15 1830 | Tom Tobin | 3-31-15 1830 |
| Tom Tobin | 4-1-15 0125 | | 4/1/15 0125 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 101-02 (19-Jun-09)