

810 RIVER AVENUE

BRONX, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: 14CVCP171X

Prepared for:

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REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AWQSGVs	Ambient Water Quality Standards and Guidance Values
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
FT BLS	Feet below land surface
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, Joshua B Levine, 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 810 River Avenue Site, (NYC VCP Site No. 14CVCP171X). 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.

Joshua B. Levine
Qualified Environmental Professional

September 16, 2013
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 810 River Avenue in the West Concourse section in the Bronx, New York and is identified as Block 2483 and Lot 5 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 20,000-square feet and is bounded by East 158th Street to the north, City of New York Parks and Recreation River Avenue Pocket Park to the south, a six story apartment building to the east, and River Avenue and an elevated subway line to the west. A map of the site boundary is shown in Figure 1. Currently, the Site is used for a vacant bowling alley with a sports bar and grill and contains kitchen equipment and a sports bar on the first floor and bowling lanes on both the first and second floor.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a 17-story apartment building, including an underground parking garage. The current zoning designation is C6-3D. The proposed use is consistent with existing zoning for the property.

Demolition of the existing building is required to redevelop the Site with a multi-unit affordable housing apartment building. The redevelopment plan includes a full cellar for utilities, an office and a garage, to a combined depth of approximately 12 feet below surface.

The first and second floors of the development will be common areas and commercial space. Floors 3 through 17 will be Residential units. Development costs are currently estimated at \$57MM.

Summary of Past Uses of Site and Areas of Concern

The area in which the Site is located has been developed since the late 1800s and contained a mixture of residential and commercial properties. The Site itself was first developed sometime before 1909, at which time it is known a small ancillary structure existed on the Site along River Avenue. The current Site building was reportedly built in 1927. The City Directory indicates the Site was utilized as a garage as early as 1949. A 1951 Sanborn fire insurance map depicts the Site as a garage with two 550-gallon buried gasoline tanks. The City Directory also indicates that the Site was utilized as an automotive service center in 1956. One of the four certificates of occupancy for the Site notes it was utilized as a warehouse in 1958. The Site was converted for use as a bowling alley in approximately 1960, and continued to be utilized as a bowling alley with a sports bar and grill until 2010. The Site is currently vacant.

Roux Associates considers the potential presence of buried gasoline tanks depicted in the 1951 Sanborn fire insurance map as an environmental concern. Additionally, the historic use of the immediate area surrounding the Site for auto repair facilities as depicted in the Sanborn fire insurance maps and onsite groundwater and soil vapor quality are considered environmental concerns for the Site.

The AOCs identified for this site include:

1. Potential buried gasoline tanks depicted in the 1951 Sanborn fire insurance map.
2. Historic use of the immediate area surrounding the Site for auto repair facilities located adjacent to the north and south of the Site as depicted in the Sanborn fire insurance maps.
3. On-Site groundwater and soil vapor quality.

Summary of the Work Performed under the Remedial Investigation

810 River Avenue LLC performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e., structures, buildings, etc.);
2. Installed ten soil borings across the entire project Site, and collected ten soil samples for chemical analysis from the soil borings to evaluate soil quality;

3. Installed four groundwater monitoring wells throughout the Site and sampled one existing offsite monitoring well to establish groundwater flow and collected five groundwater samples for chemical analysis to evaluate groundwater quality; and
4. Installed five soil vapor probes around Site perimeter and collected five samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property ranges from 25 to 27 feet.
2. Depth to groundwater ranges from 18.3 to 21.6 feet at the Site.
3. Groundwater flow is generally from southeast to northwest beneath the Site.
4. Depth to bedrock is approximately 40 feet at the Site.
5. The stratigraphy of the site, from the surface down, consists of 15 feet of silty sand underlain by 25 feet of coarse sand and gravel underlain by decomposed and sound bedrock and approximately 38 to 48 ft bls.
6. Deep soil samples collected during the RI showed no VOCs or SVOCs that exceeded Track 1 SCOs in any of the 10 samples. Trace levels of acetone and toluene were detected in several soil samples, all below the Track 1 SCOs. Several metals were detected at trace concentrations; only two soil samples exceeded Unrestricted Use Track 1 SCOs for trivalent chromium (at 33 and 58.6 ppm). PCBs and pesticides were not detected in any soil sample. Shallow soil samples were not obtained during this investigation.
7. Groundwater samples collected during the RI contained VOC detections exceeding New York State 6NYCRR Part 703.5 for Class GA Groundwater Quality Standards (GQS) in four out of the five monitoring wells sampled. These VOCs included chloroform (maximum of 10.9 µg/L), cis-1,2-dichloroethene (ranging from 77 µg/L to 265 µg/L), tetrachloroethene (PCE) ranging from 135 µg/L to 292 µg/L, trans-1,2-dichloroethene ranging from 2 µg/L to 13.7 µg/L, and trichloroethene (TCE) ranging from 51 µg/L to 135 µg/L. The most significant results were for PCE and its degradation products, TCE and cis-1,2-DCE exceeding GQS in all five groundwater samples. SVOCs were not

detected in any of the groundwater samples collected. The metal chromium, beryllium and manganese were detected in groundwater samples, but only manganese exceeded GQS in one dissolved groundwater sample.

8. Numerous petroleum related and chlorinated VOCs were detected in the soil vapor samples collected during the RI. Chlorinated VOCs including PCE and TCE were the most prominent VOC detected at elevated levels in all of the soil vapor samples. PCE concentrations ranged from 10 ug/m³ to 850 ug/m³. TCE ranged from 6 ug/m³ to 29 ug/m³. PCE and TCE findings generally correlate with the VOCs identified in the onsite groundwater samples. TCA and carbon tetrachloride were not detected. PCE and TCE concentrations are above the monitoring levels established by NYSDOH decision guidance Matrix 1 provided in the NYSDOH Final Guidance on Soil Vapor Intrusion. Most other compounds were detected at concentrations less than 50 ug/m³, except for ethylbenzene (max. of 78 ug/m³), isooctane (max. of 230 ug/m³) and xylene (max. of 290 ug/m³).

1.0 SITE BACKGROUND

810 River Avenue LLC has conducted a Remedial Investigation and may enroll in the New York City Voluntary Cleanup Program (NYCVCP) to investigate and remediate a 0.46-acre site located at 810 River Avenue in the West Concourse section of the Bronx, New York. Residential use is proposed for the property. The RI work was performed between February 12 and February 26, 2013. This Remedial Investigation Report (RIR) summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

The Site currently has an e-designation (E-225) for hazardous materials and noise that will be addressed with the New York City Mayor's Office of Environmental Remediation prior to redevelopment.

1.1 Site Location and Current Usage

The Site is located at 810 River Avenue in the West Concourse section in the Bronx, New York and is identified as Block 2483 and Lot 5 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 20,000-square feet and is bounded by East 158th Street to the north, City of New York Parks and Recreation River Avenue Pocket Park to the south, a six story apartment building to the east, and River Avenue and an elevated subway line to the west. A map of the site boundary is shown in Figure 1. Currently, the Site is used for a vacant bowling alley with a sports bar and grill and contains kitchen equipment and a sports bar on the first floor and bowling lanes on both the first and second floor.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a 17-story apartment building, including an underground parking garage. The current zoning designation is C6-3D. The proposed use is consistent with existing zoning for the property.

Demolition of the existing building is required to redevelop the Site with a multi-unit affordable housing apartment building. The redevelopment plan includes a full cellar for utilities, an office and parking to a depth of approximately 12 feet below surface.

The first and second floors of the development will be shared by the residential common area and a commercial space. Development costs are currently estimated at \$57MM.

1.3 Description of Surrounding Property

The area surrounding the Site is urban and is predominantly commercial properties (i.e., retail stores and offices). The table below provides details on surrounding property usage adjacent to the Site.

North	East 158 th , Street beyond which is Stan's Sports Bar and a parking garage.
South	City of New York Parks and Recreation River Avenue Pocket Park.
East	Six story apartment building.
West	River Avenue, beyond which is Macombs Dam Park. An elevated subway line runs above River Avenue.

Figure 2 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

The area in which the Site is located has been developed since the late 1800s and contained a mixture of residential and commercial properties. The Site itself was first developed sometime before 1909, at which time it is known a small ancillary structure existed on the Site along River Avenue. The current Site building was reportedly built in 1927. The City Directory indicates the Site was utilized as a garage as early as 1949. A 1951 Sanborn fire insurance map depicts the Site as a garage with two 550-gallon buried gasoline tanks. The City Directory also indicates that the Site was utilized as an automotive service center in 1956. One of the four certificates of occupancy for the Site notes it was utilized as a warehouse in 1958. The Site was converted for use as a bowling alley in approximately 1960, and continued to be utilized as a bowling alley with a sports bar and grill until 2010. The Site is currently vacant.

2.2 PREVIOUS INVESTIGATIONS

A Comprehensive Environmental Site Assessment Report (SAR) was prepared by Hydrotech Environmental Corp of Commack, New York (Hydrotech) on March 28, 2011 (Appendix A). The SAR provided findings of both a Phase I ESA and limited Phase II investigation performed at the Site.

The Hydrotech SAR consisted of a ground penetrating radar survey (GPR) and installation of five soil borings. One of the soil borings was advanced to the water table and a ground water sample was collected for laboratory analysis. All borings were located in the southwest quadrant of the Site building; two borings were located in the basement (advanced to a depth of 4 feet below the basement floor), the remaining three borings were located within the building on the first floor (advanced to a depth of 12 feet below grade).

One soil sample from each boring was collected and submitted for laboratory analysis of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). Laboratory analytical results indicate the presence of various VOCs and SVOCs in the soil; however, all concentrations were below the 6NYCRR Part 375-6.8 Track 1 unrestricted use soil cleanup objectives (SCOs).

The one groundwater sample collected for laboratory analysis was also analyzed for VOCs and SVOCs. Several chlorinated VOCs (CVOCs) were detected at concentrations above applicable regulatory guidance values.

Results of the GPR survey were not included in the SAR.

Hydrotech noted that the potential presence of two 550-gallon underground storage tanks (USTs) depicted on a 1951 Sanborn fire insurance map were recommended for additional investigation.

Suspect asbestos containing materials (ACMs) were noted in the Hydrotech SAR. These ACMs were recommended for survey and sampling and abatement prior to building renovation and demolition.

2.3 Site Inspection

Christina Prete performed site inspections under the direction of Joshua Levine, P.E. during the RI on February 11-14, 2013. The building slab appeared in excellent condition and no indications of cracking or potential sources of vapor intrusion were identified. No visual indications of contamination or surficial staining were observed on the Site.

2.4 Areas of Concern

Roux Associates considers the potential presence of buried gasoline tanks depicted in the 1951 Sanborn fire insurance map as an environmental concern. Additionally, the historic use of the immediate area surrounding the Site for auto repair facilities as depicted in the Sanborn fire insurance maps and onsite groundwater and soil vapor quality are considered environmental concerns for the Site.

The AOCs identified for this site include:

1. Potential buried gasoline tanks depicted in the 1951 Sanborn fire insurance map.
2. Historic use of the immediate area surrounding the Site for auto repair facilities located adjacent to the north and south of the Site as depicted in the Sanborn fire insurance maps.
3. On-Site groundwater and soil vapor quality.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

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

3.2 Health and Safety

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements.

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations. One drum of soil cuttings and one drum of purge-water generated as a result of the RI are scheduled for disposal as non-hazardous waste at Republic Environmental Systems facility. The waste disposal manifest and facility approvals will be provided under separate cover.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

810 River Avenue LLC performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e., structures, buildings, etc.);
2. Installed ten soil borings across the entire project Site, and collected ten soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed four groundwater monitoring wells throughout the Site and sampled one existing offsite monitoring well to establish groundwater flow and collected five groundwater samples for chemical analysis to evaluate groundwater quality; and
4. Installed five soil vapor probes around Site perimeter and collected five samples for chemical analysis.

A summary table documenting the construction details for all soil borings, monitoring wells and soil vapor sampling points is included as Table 1.

4.1 Borings and Monitoring Wells

Drilling and Soil Logging

Prior to initiating any drilling activities, each location was cleared via a local GPR and magnetometer survey. All soil borings were advanced by Geoprobe direct push equipment. One boring was located in the basement (advanced to a depth of seven feet below the basement floor) and the remaining nine borings were located within the building on the first floor (advanced to a depth of 20 feet below grade). Soil borings were continuously screened via photoionization detector (PID) and visual observation of lithology was used to prepare soil boring logs attached as Appendix B. Soil borings were installed to the top of the water table and then backfilled with clean sand. Boring logs prepared by an engineer are attached in Appendix B. A map showing the location of soil borings and monitor wells is shown in Figure 2.

Groundwater Monitoring Well Construction

Monitoring wells were installed to a depth of approximately 25 to 26 feet below land surface (ft bls) with a 10 feet (ft) length of 20-slot monitoring well screen set straddling the water table. Generally, the well screen was set from 15 to 25 ft bls with the water table encountered at 19 to 20 ft bls. The annulus around the monitoring well screen was filled with #2 sand and a bentonite

well seal was installed to prevent groundwater cross contamination. The two-inch diameter monitoring wells were installed via a Geoprobe drill rig. Well MW-8 in the existing bar area was completed with an eight-inch diameter flush-mount access manhole, and wells MW-3, MW-4 and MW-10 in the bowling lanes were completed with stick ups. Monitoring well locations are shown in Figure 2.

Survey

The monitoring well measuring point elevations were surveyed by Angle of Attack via rod and level on February 15, 2013.

Water Level Measurement

Groundwater gauging was conducted via water level meter on February 15, 2013. Water level data is included in Table 3.

4.2 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

Ten soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 1 and 2. Figure 2 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

One soil sample was collected per soil boring from the two-foot sample depth interval exhibiting the greatest contamination via visual and olfactory observation, and field screening via PID. If no contamination was identified via field screening, a soil sample was collected from the two-foot sample interval directly above the water table. All soil samples were analyzed for Target Compound List (TCL) VOCs, TCL SVOCs, Target Analyte List (TAL) metals, TCL polychlorinated biphenyls (PCBs) and TCL pesticides. All samples were collected using dedicated sampling equipment that was disposed following collection to avoid cross-contamination.

One duplicate soil sample was collected and one field blank and trip blank were collected for analysis by the laboratory. All samples were labeled bottled, stored on ice, picked up by a courier under standard chain of custody procedures and brought directly to Accutest Laboratory of Dayton, New Jersey for analysis.

Groundwater Sampling

Five groundwater samples were collected for chemical analysis during this RI. Groundwater sample collection data is reported in Tables 1 and 2. Sampling logs with information on purging and sampling of groundwater monitor wells are included in Appendix C. Figure 3 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Groundwater samples were collected using low-flow sampling techniques and were monitored continuously via Horiba U-22 until parameters stabilized. Dedicated disposable tubing was used to prevent cross-contamination of the samples. In addition, groundwater samples were field filtered using 0.45 micron disposable field filters to obtain groundwater samples for dissolved metals analysis. Groundwater sampling logs are provided in Appendix C.

Groundwater samples were analyzed for TCL VOCs, TCL SVOCs and TAL metals. All samples were collected using dedicated sampling equipment that was disposed following collection to avoid cross-contamination. One duplicate, one field blank, and one trip blank sample were collected and analyzed by Accutest Laboratories of Dayton, New Jersey.

Soil Vapor Sampling

Five soil vapor probes were installed and five soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 4. Soil vapor sample collection data is reported in Tables 1 and 2. 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*.

Soil vapor sample locations were installed to a depth of six feet below the top of slab elevation inside common areas of the building and were finished with 5- inch diameter flush mount access manholes. The soil vapor sample locations consisted of 6-inch stainless steel screens connected to ¼-inch poly tubing that was terminated and capped inside the flush mount access manhole to prevent soil vapor intrusion. The annulus around the well screen and tubing was filled with #2 sand, and a bentonite well seal was installed to prevent soil vapor intrusion into the building. The flushmount manhole was set in concrete above the bentonite well seal.

Soil vapor sampling points were field tested using helium and a multi-gas meter prior to sampling in accordance with NYSDOH Final Guidance on Soil Vapor Intrusion, October 2006 protocol. Soil vapor samples were collected over a three-hour duration and were analyzed for TO-15 list VOCs by Eurofins Air Toxics, Inc. of Folsom, California.

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 Christina Prete
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were Accutest Laboratories of Dayton, New Jersey (soil and groundwater) and Eurofins Air Toxics, Inc of Folsom, California (soil vapor)
Chemical Analytical Methods	Soil analytical methods: - TAL Metals by EPA Method 6010C (rev. 2007) - VOCs by EPA Method 8260C (rev. 2006)

Factor	Description
	• SVOCs by EPA Method 8270D (rev. 2007) • Pesticides by EPA Method 8081B (rev. 2000) • PCBs by EPA Method 8082A (rev. 2000) Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007) • VOCs by EPA Method 8260C (rev. 2006) • SVOCs by EPA Method 8270D (rev. 2007) • Pesticides by EPA Method 8081B (rev. 2000) • PCBs by EPA Method 8082A (rev. 2000) Soil vapor analytical methods: • VOCs by TO-15 VOC parameters

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 5 – 13, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix E.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

The following sections provide a description of the findings of the RI.

Stratigraphy

The Site is generally characterized by silty sand from ground surface to 15 ft bls underlain by a coarse sand and gravel layer extending from 15 ft bls to the bottom the soil borings. Since the soil borings terminated at 20 to 25 ft bls, the bottom of the sand and gravel layer and the underlying bedrock were not identified in the RI.

Based on a review of geotechnical borings conducted by Soil Mechanics Drilling Corporation in April 2012 (Appendix F), the depth to bedrock onsite ranges from 38 to 49 ft bls.

Hydrogeology

A table of water level data for all monitor wells is included in Table 3. The average depth to groundwater is 20.6 ft bls and the range in depth is 18.3 to 21.66 ft bls. A map of groundwater level elevations with groundwater contours and inferred flow lines is shown in Figure 3. Groundwater flow is from southeast to northwest.

5.2 Soil Chemistry

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 Tables 5 – 9. Figure 4 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 1 Unrestricted Use SCOs.

Deep soil samples collected during the RI showed no VOCs and SVOCs that exceeded Track 1 SCOs in any of the 10 samples. Trace levels of acetone and toluene were detected in several soil samples, all below the Track 1 SCOs. Several metals were detected at trace concentrations; only two soil samples exceeded Unrestricted Use Track 1 SCOs for trivalent chromium (at 33 and 58.6 ppm). PCBs and pesticides were not detected in any soil sample.. Shallow soil samples were not obtained during this investigation.

Based on the data collected from the 10 soil boring locations, either soil has not been impacted from the historical activities at this site or potential sources of onsite soil contamination were not detected (e.g., chlorinated solvents and potential UST locations).

5.3 Groundwater Chemistry

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 Tables 10 – 12. Exceedences of applicable groundwater standards are shown.

Figure 5 shows the sample locations and posts the concentrations for compounds detected in groundwater that exceed the Ambient Water Quality Standards and Guidance Values (AWQSGVs) as provided in New York State 6NYCRR Part 703.5 for Class GA Groundwater Quality Standards (GQS).

Groundwater samples collected during the RI contained VOC detections exceeding GQS in four out of the five monitoring wells sampled. These VOCs included chloroform (maximum of 10.9 µg/L), cis-1,2-dichloroethene (ranging from 77 µg/L to 265 µg/L) (cis-1,2 DCE), tetrachloroethene (PCE) (ranging from 135 µg/L to 292 µg/L), trans-1,2-dichloroethene (ranging from 2 µg/L to 13.7 µg/L), and trichloroethene (TCE) (ranging from 51 µg/L to 135 µg/L). The most significant results were for PCE and its degradation products, TCE and cis-1,2-DCE in the four onsite monitoring wells. VOCs were not found exceeding the GQS in offsite monitoring well SW-1. Based on these results, we cannot rule out the likelihood that an onsite source(s) of VOCs exists at the site as well as offsite.

The metals chromium, beryllium and manganese were detected in groundwater samples, but only manganese exceeded GQS in one dissolved groundwater sample.

SVOCs were not detected in any of the groundwater samples collected.

PCBs and pesticides were not sampled.

Based on the data collected from the five monitoring wells, onsite groundwater has been contaminated from potential onsite and/or offsite sources.

5.4 Soil Vapor Chemistry

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 13.

Figure 6 shows the location and provides the concentrations of VOCs detected in soil vapor samples.

Numerous petroleum related and chlorinated VOCs were detected in the soil vapor samples collected during the RI. PCE was the most prominent VOC detected as it was found at elevated levels in all of the samples at concentrations ranging from 10 ug/m³ to 850 ug/m³. TCE was also identified in each sample collected and ranged from 6 ug/m³ to 29 ug/m³. These findings generally correlate with the VOCs identified in the onsite groundwater samples. Most other compounds were detected at concentrations less than 50 ug/m³ except for ethylbenzene (max. of 78 ug/m³), isooctane (max. of 230 ug/m³) and xylene (max. of 290 ug/m³).

PCE was detected in soil vapor at concentrations that require future monitoring when compared to NYSDOH decision guidance Matrix 1 provided in the NYSDOH Final Guidance on Soil Vapor Intrusion. Indoor air samples were not collected to confirm if mitigation is necessary per the NYSDOH decision guidance matrix because the building will be demolished and future soil excavation will occur prior to development.

Based on the soil vapor data, onsite soil vapor has been contaminated with VOCs that have volatilized from the site groundwater and/or potential onsite sources. Therefore, at a minimum, a vapor barrier will be necessary and a sub-slab depressurization system is recommended for installation in the unsaturated zone beneath the proposed foundation to prevent soil vapor intrusion into the future site development.

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.

Site-Specific Standards, Criteria and Guidance

- 6 NYCRR Part 375 - Inactive Hazardous Waste Disposal Sites
- 6 NYCRR Parts 700-706 - Water Quality Standards (June 1998)
- TOGS 1.1.1 - Ambient Water Quality Standards & Guidance Values and Groundwater Effluent Limitations
- NYSDOH Indoor Air Sampling & Analysis Guidance (August 8, 2001 or subsequent update)
- NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (draft October 2004 or subsequent final draft)

Table 1. Sample Summary Table, 810 River Avenue, Bronx, New York

Identification Number	Depth Interval	Media	TCL VOCs	TCL SVOCs	TAL Metals		PCBs	Pesticides	TO-15 VOCs
SB-1/5-7	5'-7'	Soil	X	X	X		X	X	
SB-2/17-19	17'-19'	Soil	X	X	X		X	X	
SB-5/18-20	18'-20'	Soil	X	X	X		X	X	
SB-6/18-20	18'-20'	Soil	X	X	X		X	X	
SB-7/18-20	18'-20'	Soil	X	X	X		X	X	
SB-9/18-20	18'-20'	Soil	X	X	X		X	X	
MW-3/17-19	17'-19'	Soil	X	X	X		X	X	
MW-4/18-20	18'-20'	Soil	X	X	X		X	X	
MW-8/18-20	18'-20'	Soil	X	X	X		X	X	
MW-10/18-20	18'-20'	Soil	X	X	X		X	X	
					Total	Dissolved			
MW-3	--	Groundwater	X	X	X	X			
MW-4	--	Groundwater	X	X	X	X			
MW-8	--	Groundwater	X	X	X	X			
MW-10	--	Groundwater	X	X	X	X			
MW-10/MS	--	Groundwater	X	X	X	X			
MW-10/MSD	--	Groundwater	X	X	X	X			
SW-1	--	Groundwater	X	X	X	X			
DUP (MW-10)	--	Groundwater	X	X	X	X			
Field Blank	--	Water	X	X	X				
Trip Blank	--	Water	X						
SV-1	--	Soil Gas							X
SV-2	--	Soil Gas							X
SV-3	--	Soil Gas							X
SV-4	--	Soil Gas							X
SV-5	--	Soil Gas							X

Table 2. Construction Details for Soil Borings and Monitoring Wells, 810 River Avenue, Bronx, New York

Identification Number	Date of Construction	Total Depth	Diameter	Ground Surface Elevation	Screened Interval (Elevation Range)	Construction Material
Monitoring Wells						
MW-3	2/14/2013	25' bls	3-inch	28.36	15-25	PVC
MW-4	2/14/2013	25' bls	3-inch	27.88	15-25	PVC
MW-8	2/13/2013	26' bls	3-inch	26.89	16-26	PVC
MW-10	2/15/2013	25' bls	3-inch	27.75	15-25	PVC
Soil Borings						
SB-1	2/15/2013	7' bls	6-inch	NA	NA	NA
SB-2	2/12/2013	20' bls	2-inch	NA	NA	NA
SB-5	2/12/2013	20' bls	2-inch	NA	NA	NA
SB-6	2/12/2013	20' bls	2-inch	NA	NA	NA
SB-7	2/13/2013	20' bls	2-inch	NA	NA	NA
SB-9	2/12/2013	20' bls	2-inch	NA	NA	NA
Soil Vapor Points						
SV-1	2/12/2013	6.5' bls	NA	NA	6-6.5	3/4" Poly Tubing
SV-2	2/12/2013	6.5' bls	NA	NA	6-6.5	3/4" Poly Tubing
SV-3	2/11/2013	6.5' bls	NA	NA	6-6.5	3/4" Poly Tubing
SV-4	2/12/2013	6.5' bls	NA	NA	6-6.5	3/4" Poly Tubing
SV-5	2/11/2013	6.5' bls	NA	NA	6-6.5	3/4" Poly Tubing

Table 3. Groundwater Level Data, February 22, 2013, 810 River Avenue, Bronx, New York

Monitoring Well ID Number	Date	Time of Day	Measuring Point Elevation (ft Above mean sea level)	Depth to Bottom (ft bls)	Depth to Water (ft bls)	Water Elevation (ft bls)
MW-3	2/22/2013	630	28.36	27.55	21.66	6.70
MW-4	2/22/2013	730	27.88	27.85	21.34	6.54
MW-8	2/22/2013	1040	26.89	24.5	20.4	6.49
MW-10	2/22/2013	840	27.75	24.36	21.25	6.50
SW-1	2/22/2013	1400	25.25	23.1	18.3	6.51

Table 4. Analytical Methods Summary Table, 810 River Avenue, Bronx, New York

Matrix	Number of Samples	Analytical Parameters Measured	Analytical Methods	Number of Duplicate Samples	Number of QA/QC Samples
Soil	10	TCL VOCs	SW846 8260B	1	2
		TCL SVOCs	SW846 8270D		
		TCL PCBs	SW846 8082A		
		TCL Pesticides	SW846 8081B		
		TAL Metals	SW846 6010C, SW846 7471B (Hg)		
Groundwater	5	TCL VOCs	SW846 8260B	1	2
		TCL SVOCs	SW846 8270D		
		TAL Metals	SW846 6010C, SW846 7471B (Hg)		
Soil Vapor	5	VOCs	TO-15	0	1

Table 5. Summary of Volatile Organic Compounds in Soil, 810 River Avenue, Bronx, New York

	NYSDEC										
	Part 375	Sample Designation:	MW-3	MW-4	MW-8	MW-8 DUP	MW-10	SB-1	SB-2	SB-5	SB-6
Parameter	Unrestricted	Sample Date:	2/13/2013	2/14/2013	2/13/2013	2/13/2013	2/14/2013	2/15/2013	2/12/2013	2/12/2013	2/12/2013
(Concentrations in µg/kg)	Use	Sample Depth (ft bls):	17-19	18-20	18-20	18-20	18-20	5-7	17-19	18-20	18-20
1,1,1-Trichloroethane	680		5.6 U	5.4 U	5.7 U	5.8 U	6.1 U	6.6 U	6.2 U	5.2 U	5.8 U
1,1-Dichloroethane	270		5.6 U	5.4 U	5.7 U	5.8 U	6.1 U	6.6 U	6.2 U	5.2 U	5.8 U
1,1-Dichloroethene	330		5.6 U	5.4 U	5.7 U	5.8 U	6.1 U	6.6 U	6.2 U	5.2 U	5.8 U
1,2,4-Trimethylbenzene	3600		5.6 U	5.4 U	5.7 U	5.8 U	6.1 U	0.64 J	6.2 U	5.2 U	5.8 U
1,2-Dichlorobenzene	1100		5.6 U	5.4 U	5.7 U	5.8 U	6.1 U	6.6 U	6.2 U	5.2 U	5.8 U
1,2-Dichloroethane	20		1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1.2 U
1,3,5-Trimethylbenzene	8400		5.6 U	5.4 U	5.7 U	5.8 U	6.1 U	6.6 U	6.2 U	5.2 U	5.8 U
1,3-Dichlorobenzene	2400		5.6 U	5.4 U	5.7 U	5.8 U	6.1 U	6.6 U	6.2 U	5.2 U	5.8 U
1,4-Dichlorobenzene	1800		5.6 U	5.4 U	5.7 U	5.8 U	6.1 U	6.6 U	6.2 U	5.2 U	5.8 U
1,4-Dioxane	100		140 U	140 U	140 U	140 U	150 U	160 U	160 U	130 U	140 U
2-Butanone (MEK)	120		11 U	11 U	11 U	12 U	12 U	13 U	12 U	10 U	12 U
Acetone	50		11 U	11 U	13.3	10.8 J	12 U	13 U	12.7	8.4 J	14.2
Benzene	60		1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1.2 U
Carbon tetrachloride	760		5.6 U	5.4 U	5.7 U	5.8 U	6.1 U	6.6 U	6.2 U	5.2 U	5.8 U
Chlorobenzene	1100		5.6 U	5.4 U	5.7 U	5.8 U	6.1 U	6.6 U	6.2 U	5.2 U	5.8 U
Chloroform	370		5.6 U	5.4 U	5.7 U	5.8 U	6.1 U	6.6 U	6.2 U	5.2 U	5.8 U
cis-1,2-Dichloroethene	250		5.6 U	5.4 U	5.7 U	5.8 U	6.1 U	6.6 U	6.2 U	5.2 U	5.8 U
Ethylbenzene	1000		1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1.2 U
m+p-Xylene	--		1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	0.79 J	1.2 U	1 U	1.2 U
Methylene chloride	50		5.6 U	5.4 U	5.7 U	5.8 U	6.1 U	6.6 U	6.2 U	5.2 U	5.8 U
MTBE	930		1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1.2 U
n-Butylbenzene	12000		5.6 U	5.4 U	5.7 U	5.8 U	6.1 U	6.6 U	6.2 U	5.2 U	5.8 U
n-Propylbenzene	3900		5.6 U	5.4 U	5.7 U	5.8 U	6.1 U	6.6 U	6.2 U	5.2 U	5.8 U
o-Xylene	--		1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1.2 U	1 U	1.2 U
sec-Butylbenzene	11000		5.6 U	5.4 U	5.7 U	5.8 U	6.1 U	6.6 U	6.2 U	5.2 U	5.8 U
tert-Butylbenzene	5900		5.6 U	5.4 U	5.7 U	5.8 U	6.1 U	6.6 U	6.2 U	5.2 U	5.8 U
Tetrachloroethene	1300		5.6 U	5.4 U	5.7 U	5.8 U	1.2 J	0.57 J	6.2 U	5.2 U	5.8 U
Toluene	700		0.48 J	0.43 J	0.6 J	0.48 J	0.6 J	1.3 U	0.54 J	0.46 J	0.42 J
trans-1,2-Dichloroethene	190		5.6 U	5.4 U	5.7 U	5.8 U	6.1 U	6.6 U	6.2 U	5.2 U	5.8 U
Trichloroethene	470		5.6 U	5.4 U	5.7 U	5.8 U	6.1 U	6.6 U	6.2 U	5.2 U	5.8 U
Vinyl chloride	20		5.6 U	5.4 U	5.7 U	5.8 U	6.1 U	6.6 U	6.2 U	5.2 U	5.8 U
Xylenes (total)	260		1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	0.79 J	1.2 U	1 U	1.2 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No Standards available

Bold data indicates that parameter was detected above the NYSDEC

Part 375 Unrestricted Use Standards

Table 5. Summary of Volatile Organic Compounds in Soil, 810 River Avenue, Bronx, New York

	NYSDEC			
	Part 375	Sample Designation:	SB-7	SB-9
Parameter	Unrestricted	Sample Date:	2/13/2013	2/12/2013
(Concentrations in µg/kg)	Use	Sample Depth (ft bls):	18-20	18-20
1,1,1-Trichloroethane	680		5.6 U	6.1 U
1,1-Dichloroethane	270		5.6 U	6.1 U
1,1-Dichloroethene	330		5.6 U	6.1 U
1,2,4-Trimethylbenzene	3600		5.6 U	6.1 U
1,2-Dichlorobenzene	1100		5.6 U	6.1 U
1,2-Dichloroethane	20		1.1 U	1.2 U
1,3,5-Trimethylbenzene	8400		5.6 U	6.1 U
1,3-Dichlorobenzene	2400		5.6 U	6.1 U
1,4-Dichlorobenzene	1800		5.6 U	6.1 U
1,4-Dioxane	100		140 U	150 U
2-Butanone (MEK)	120		11 U	12 U
Acetone	50		8.9 J	11.4 J
Benzene	60		1.1 U	1.2 U
Carbon tetrachloride	760		5.6 U	6.1 U
Chlorobenzene	1100		5.6 U	6.1 U
Chloroform	370		5.6 U	6.1 U
cis-1,2-Dichloroethene	250		5.6 U	6.1 U
Ethylbenzene	1000		1.1 U	1.2 U
m+p-Xylene	--		1.1 U	1.2 U
Methylene chloride	50		5.6 U	6.1 U
MTBE	930		1.1 U	1.2 U
n-Butylbenzene	12000		5.6 U	6.1 U
n-Propylbenzene	3900		5.6 U	6.1 U
o-Xylene	--		1.1 U	1.2 U
sec-Butylbenzene	11000		5.6 U	6.1 U
tert-Butylbenzene	5900		5.6 U	6.1 U
Tetrachloroethene	1300		5.6 U	6.1 U
Toluene	700		1.1 U	0.44 J
trans-1,2-Dichloroethene	190		5.6 U	6.1 U
Trichloroethene	470		5.6 U	6.1 U
Vinyl chloride	20		5.6 U	6.1 U
Xylenes (total)	260		1.1 U	1.2 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No Standards available

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Part 375 Unrestricted Use Standards

Table 6. Summary of Semivolatile Organic Compounds in Soil, 810 River Avenue, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC									
	Part 375	Sample Designation:	MW-3	MW-4	MW-8	MW-8 DUP	MW-10	SB-1	SB-2	SB-5
	Unrestricted	Sample Date:	2/13/2013	2/14/2013	2/13/2013	2/13/2013	2/14/2013	2/15/2013	2/12/2013	2/12/2013
	Use	Sample Depth (ft bls):	17-19	18-20	18-20	18-20	18-20	5-7	17-19	18-20
2-Methylphenol	330		68 U	59 U	70 U	64 U	67 U	67 U	73 U	66 U
3&4-Methylphenol	--		68 U	59 U	70 U	64 U	67 U	67 U	73 U	66 U
Acenaphthene	20000		34 U	29 U	35 U	32 U	33 U	34 U	36 U	33 U
Acenaphthylene	100000		34 U	29 U	35 U	32 U	33 U	34 U	36 U	33 U
Anthracene	100000		34 U	29 U	35 U	32 U	33 U	34 U	36 U	33 U
Benzo[a]anthracene	1000		34 U	29 U	35 U	32 U	33 U	34 U	36 U	33 U
Benzo[a]pyrene	1000		34 U	29 U	35 U	32 U	33 U	34 U	36 U	33 U
Benzo[b]fluoranthene	1000		34 U	29 U	35 U	32 U	33 U	34 U	36 U	33 U
Benzo[g,h,i]perylene	100000		34 U	29 U	35 U	32 U	33 U	34 U	36 U	33 U
Benzo[k]fluoranthene	800		34 U	29 U	35 U	32 U	33 U	34 U	36 U	33 U
Chrysene	1000		34 U	29 U	35 U	32 U	33 U	34 U	36 U	33 U
Dibenzo[a,h]anthracene	330		34 U	29 U	35 U	32 U	33 U	34 U	36 U	33 U
Dibenzofuran	7000		68 U	59 U	70 U	64 U	67 U	67 U	73 U	66 U
Fluoranthene	100000		34 U	29 U	35 U	32 U	33 U	34 U	36 U	33 U
Fluorene	30000		34 U	29 U	35 U	32 U	33 U	34 U	36 U	33 U
Hexachlorobenzene	330		68 U	59 U	70 U	64 U	67 U	67 U	73 U	66 U
Indeno[1,2,3-cd]pyrene	500		34 U	29 U	35 U	32 U	33 U	34 U	36 U	33 U
Naphthalene	12000		34 U	29 U	35 U	32 U	33 U	34 U	36 U	33 U
Pentachlorophenol	800		340 U	290 U	350 U	320 U	330 U	340 U	360 U	330 U
Phenanthrene	100000		34 U	29 U	35 U	32 U	33 U	34 U	36 U	33 U
Phenol	330		68 U	59 U	70 U	64 U	67 U	67 U	73 U	66 U
Pyrene	100000		34 U	29 U	35 U	32 U	33 U	34 U	36 U	33 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No Standards available

Bold data indicates that parameter was detected above the NYSDEC

Part 375 Unrestricted Use Standards

Table 6. Summary of Semivolatile Organic Compounds in Soil, 810 River Avenue, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:		
	Part 375	SB-6	SB-7	SB-9
	Unrestricted	Sample Date: 2/12/2013	2/13/2013	2/12/2013
	Use	Sample Depth (ft bls):	18-20	18-20
2-Methylphenol	330	70 U	70 U	70 U
3&4-Methylphenol	--	70 U	70 U	70 U
Acenaphthene	20000	35 U	35 U	35 U
Acenaphthylene	100000	35 U	35 U	35 U
Anthracene	100000	35 U	35 U	35 U
Benzo[a]anthracene	1000	35 U	35 U	35 U
Benzo[a]pyrene	1000	35 U	35 U	35 U
Benzo[b]fluoranthene	1000	35 U	35 U	35 U
Benzo[g,h,i]perylene	100000	35 U	35 U	35 U
Benzo[k]fluoranthene	800	35 U	35 U	35 U
Chrysene	1000	35 U	35 U	35 U
Dibenzo[a,h]anthracene	330	35 U	35 U	35 U
Dibenzofuran	7000	70 U	70 U	70 U
Fluoranthene	100000	35 U	35 U	35 U
Fluorene	30000	35 U	35 U	35 U
Hexachlorobenzene	330	70 U	70 U	70 U
Indeno[1,2,3-cd]pyrene	500	35 U	35 U	35 U
Naphthalene	12000	35 U	35 U	35 U
Pentachlorophenol	800	350 U	350 U	350 U
Phenanthrene	100000	35 U	35 U	35 U
Phenol	330	70 U	70 U	70 U
Pyrene	100000	35 U	35 U	35 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No Standards available

Bold data indicates that parameter was detected above the NYSDEC

Part 375 Unrestricted Use Standards

Table 7. Summary of Metals in Soil, 810 River Avenue, Bronx, New York

Parameter (Concentrations in mg/kg)	NYSDEC									
	Part 375	Sample Designation:	MW-10	MW-3	MW-4	MW-8	MW-8 DUP	SB-1	SB-2	SB-5
	Unrestricted	Sample Date:	2/14/2013	2/13/2013	2/14/2013	2/13/2013	2/13/2013	2/15/2013	2/12/2013	2/12/2013
	Use	Sample Depth (ft bls):	18-20	17-19	18-20	18-20	18-20	5-7	17-19	18-20
Arsenic	13		2.2 U	2.2 U	2.2 U	2.3 U	2 U	3.4	2.4	2 U
Barium	350		25.9	79.2	34.4	43.2	49.8	31.6	55.1	21.1
Beryllium	7.2		0.57	0.82	0.44	0.91	0.37	1	1.2	0.42
Cadmium	2.5		0.56 U	0.54 U	0.54 U	0.57 U	0.49 U	0.59 U	0.54 U	0.51 U
Chromium, Hexavalent	1		0.45 U	0.43 U	0.42 U	0.44 U	0.44 U	0.69	0.45 U	0.44
Chromium, Trivalent	30		16.3	58.6	9	19.4	19.2	16.4	22.6	9.4
Chromium	--		16.3	58.8	9	19.4	19.2	17.1	23	9.8
Copper	50		13.9	12.9	13.3	15.2	15.4	13.6	14.6	9.8
Cyanide, Free	27		0.27 U	0.24 U	0.24 U	0.27 U	0.21	0.26 U	0.26 U	0.44 U
Lead	63		3.5	2.7	2.8	5.9	5.3	8	7.4	2.8
Manganese	1600		253	242	209	281	323	407	447	164
Mercury	0.18		0.032 U	0.033 U	0.03 U	0.037 U	0.033 U	0.036 U	0.033 U	0.032 U
Nickel	30		11.3	24.7	8.2	17.3	16.6	14.7	17.8	9
Selenium	3.9		2.2 U	2.2 U	2.2 U	2.3 U	2 U	2.3 U	2.2 U	2 U
Silver	2		0.56 U	0.7	0.54 U	0.57	0.49 U	0.59 U	0.54 U	0.51 U
Zinc	109		22.8	54.6	17.7	74.4	53.8	39.7	37.3	17.6

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No Standards available

Bold data indicates that parameter was detected above the NYSDEC

Part 375 Unrestricted Use Standards

Table 7. Summary of Metals in Soil, 810 River Avenue, Bronx, New York

	NYSDEC				
	Part 375	Sample Designation:	SB-6	SB-7	SB-9
Parameter	Unrestricted	Sample Date:	2/12/2013	2/13/2013	2/12/2013
(Concentrations in mg/kg)	Use	Sample Depth (ft bls):	18-20	18-20	18-20
Arsenic	13		2.2 U	2.1 U	2.1 U
Barium	350		34.2	42.1	45.5
Beryllium	7.2		0.74	0.93	1.1
Cadmium	2.5		0.56 U	0.53 U	0.53 U
Chromium, Hexavalent	1		0.43 U	0.43 U	0.44 U
Chromium, Trivalent	30		20.1	33	17.4
Chromium	--		20.3	33.3	17.7
Copper	50		12.9	16.4	12.5
Cyanide, Free	27		0.27 U	0.24 U	0.27 U
Lead	63		4.2	6	6.5
Manganese	1600		289	343	379
Mercury	0.18		0.034 U	0.033 U	0.036 U
Nickel	30		13.5	20.5	13.8
Selenium	3.9		2.2 U	2.1 U	2.1 U
Silver	2		0.56 U	0.57	0.53 U
Zinc	109		30.9	53.9	41.5

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No Standards available

Bold data indicates that parameter was detected above the NYSDEC

Part 375 Unrestricted Use Standards

Table 8. Summary of Polychlorinated Biphenyls in Soil, 810 River Avenue, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC									
	Part 375	Sample Designation:	MW-3	MW-4	MW-8	MW-8 DUP	MW-10	SB-1	SB-2	SB-5
	Unrestricted	Sample Date:	2/13/2013	2/14/2013	2/13/2013	2/13/2013	2/14/2013	2/15/2013	2/12/2013	2/12/2013
	Use	Sample Depth (ft bls):	17-19	18-20	18-20	18-20	18-20	5-7	17-19	18-20
Aroclor-1016	--		34 U	33 U	35 U	34 U	37 U	39 U	36 U	34 U
Aroclor-1221	--		34 U	33 U	35 U	34 U	37 U	39 U	36 U	34 U
Aroclor-1232	--		34 U	33 U	35 U	34 U	37 U	39 U	36 U	34 U
Aroclor-1242	--		34 U	33 U	35 U	34 U	37 U	39 U	36 U	34 U
Aroclor-1248	--		34 U	33 U	35 U	34 U	37 U	39 U	36 U	34 U
Aroclor-1254	--		34 U	33 U	35 U	34 U	37 U	39 U	36 U	34 U
Aroclor-1260	--		34 U	33 U	35 U	34 U	37 U	39 U	36 U	34 U
Total PCBs	100		0	0	0	0	0	0	0	0

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No Standards available

Bold data indicates that parameter was detected above the NYSDEC

Part 375 Unrestricted Use Standards

PCBs - Polychlorinated Biphenyls

Table 8. Summary of Polychlorinated Biphenyls in Soil, 810 River Avenue, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC				
	Part 375	Sample Designation:	SB-6	SB-7	SB-9
	Unrestricted	Sample Date:	2/12/2013	2/13/2013	2/12/2013
	Use	Sample Depth (ft bls):	18-20	18-20	18-20
Aroclor-1016	--		34 U	35 U	35 U
Aroclor-1221	--		34 U	35 U	35 U
Aroclor-1232	--		34 U	35 U	35 U
Aroclor-1242	--		34 U	35 U	35 U
Aroclor-1248	--		34 U	35 U	35 U
Aroclor-1254	--		34 U	35 U	35 U
Aroclor-1260	--		34 U	35 U	35 U
Total PCBs	100		0	0	0

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No Standards available

Bold data indicates that parameter was detected above the NYSDEC

Part 375 Unrestricted Use Standards

PCBs - Polychlorinated Biphenyls

Table 9. Summary of Pesticides in Soil, 810 River Avenue, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC									
	Part 375	Sample Designation:	MW-10	MW-3	MW-4	MW-8	MW-8 DUP	SB-1	SB-2	SB-5
	Unrestricted	Sample Date:	2/14/2013	2/13/2013	2/14/2013	2/13/2013	2/13/2013	2/15/2013	2/12/2013	2/12/2013
	Use	Sample Depth (ft bls):	18-20	17-19	18-20	18-20	18-20	5-7	17-19	18-20
4,4'-DDD	3.3		0.74 U	0.68 U	0.65 U	0.7 U	0.7 U	0.78 U	0.72 U	0.68 U
4,4'-DDE	3.3		0.74 U	0.68 U	0.65 U	0.7 U	0.7 U	0.78 U	0.72 U	0.68 U
4,4'-DDT	3.3		0.74 U	0.68 U	0.65 U	0.7 U	0.7 U	0.78 U	0.72 U	0.68 U
Aldrin	5		0.74 U	0.68 U	0.65 U	0.7 U	0.7 U	0.78 U	0.72 U	0.68 U
alpha-BHC	20		0.74 U	0.68 U	0.65 U	0.7 U	0.7 U	0.78 U	0.72 U	0.68 U
alpha-Chlordane	94		0.74 U	0.68 U	0.65 U	0.7 U	0.7 U	0.78 U	0.72 U	0.68 U
beta-BHC	36		0.74 U	0.68 U	0.65 U	0.7 U	0.7 U	0.78 U	0.72 U	0.68 U
delta-BHC	40		0.74 U	0.68 U	0.65 U	0.7 U	0.7 U	0.78 U	0.72 U	0.68 U
Dieldrin	5		0.74 U	0.68 U	0.65 U	0.7 U	0.7 U	0.78 U	0.72 U	0.68 U
Endosulfan I	2400		0.74 U	0.68 U	0.65 U	0.7 U	0.7 U	0.78 U	0.72 U	0.68 U
Endosulfan II	2400		0.74 U	0.68 U	0.65 U	0.7 U	0.7 U	0.78 U	0.72 U	0.68 U
Endosulfan sulfate	2400		0.74 U	0.68 U	0.65 U	0.7 U	0.7 U	0.78 U	0.72 U	0.68 U
Endrin	14		0.74 U	0.68 U	0.65 U	0.7 U	0.7 U	0.78 U	0.72 U	0.68 U
gamma-BHC (Lindane)	100		0.74 U	0.68 U	0.65 U	0.7 U	0.7 U	0.78 U	0.72 U	0.68 U
Heptachlor	42		0.74 U	0.68 U	0.65 U	0.7 U	0.7 U	0.78 U	0.72 U	0.68 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No Standards available

Bold data indicates that parameter was detected above the NYSDEC

Part 375 Unrestricted Use Standards

Table 9. Summary of Pesticides in Soil, 810 River Avenue, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:		
	Part 375	SB-6	SB-7	SB-9
	Unrestricted Use	Sample Date: 2/12/2013	2/13/2013	2/12/2013
		Sample Depth (ft bls):	18-20	18-20
4,4'-DDD	3.3		0.68 U	0.71 U
4,4'-DDE	3.3		0.68 U	0.71 U
4,4'-DDT	3.3		0.68 U	0.71 U
Aldrin	5		0.68 U	0.71 U
alpha-BHC	20		0.68 U	0.71 U
alpha-Chlordane	94		0.68 U	0.71 U
beta-BHC	36		0.68 U	0.71 U
delta-BHC	40		0.68 U	0.71 U
Dieldrin	5		0.68 U	0.71 U
Endosulfan I	2400		0.68 U	0.71 U
Endosulfan II	2400		0.68 U	0.71 U
Endosulfan sulfate	2400		0.68 U	0.71 U
Endrin	14		0.68 U	0.71 U
gamma-BHC (Lindane)	100		0.68 U	0.71 U
Heptachlor	42		0.68 U	0.71 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No Standards available

Bold data indicates that parameter was detected above the NYSDEC

Part 375 Unrestricted Use Standards

Table 10. Summary of Volatile Organic Compounds in Groundwater, 810 River Avenue, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date: 2/22/2013	MW-3 2/22/2013	MW-4 2/22/2013	MW-8 2/22/2013	MW-10 2/22/2013	MW-10 DUP 2/22/2013	SW-1 2/22/2013	TRIP BLANK 2/22/2013	FB022213 2/22/2013
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5		2 U	2 U	2 U	2 U	2 U	2.9	2 U	2 U
1,2-Dichlorobenzene	3		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,3-Dichlorobenzene	3		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	--		130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2-Butanone (MEK)	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		10.5	10.9	6.6	2.9	3	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		265	161	77.3	179	173	2.2	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	0.32 J	1 U	1 U
m+p-Xylene	5		1 U	1 U	1 U	1 U	1 U	0.55 J	1 U	1 U
Methylene chloride	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
MTBE	10		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
n-Propylbenzene	5		5 U	5 U	5 U	5 U	5 U	0.53 J	5 U	5 U
o-Xylene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	5		5 U	5 U	5 U	5 U	5 U	0.88 J	5 U	5 U
tert-Butylbenzene	5		5 U	5 U	5 U	5 U	5 U	0.71 J	5 U	5 U
Tetrachloroethene	5		198	223	135	292	269	1.6	1 U	1 U
Toluene	5		1 U	1 U	0.51 J	1 U	1 U	0.32 J	1 U	1 U
trans-1,2-Dichloroethene	5		13.7	4.7	2.3	4.8	5.1	1 U	1 U	1 U
Trichloroethene	5		135	135	51	125	118	2.2	1 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	0.46 J	1 U	1 U
Xylenes (total)	5		1 U	1 U	1 U	1 U	1 U	0.55 J	1 U	1 U

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 11. Summary of Semivolatile Organic Compounds in Groundwater, 810 River Avenue, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-3 2/22/2013	MW-4 2/22/2013	MW-8 2/22/2013	MW-10 2/22/2013	MW-10 DUP 2/22/2013	SW-1 2/22/2013	FB022213 2/22/2013
2-Methylphenol	--		2.2 U	2.1 U	2.2 U	2.1 U	2.2 U	2 U	2.1 U
3&4-Methylphenol	--		2.2 U	2.1 U	2.2 U	2.1 U	2.2 U	2 U	2.1 U
Acenaphthene	20		1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Acenaphthylene	20		1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Anthracene	50		1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Benzo[a]anthracene	0.002		1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Benzo[a]pyrene	0		1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Benzo[b]fluoranthene	0.002		1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Benzo[g,h,i]perylene	--		1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Benzo[k]fluoranthene	0.002		1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Chrysene	0.002		1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Dibenzo[a,h]anthracene	--		1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Dibenzofuran	--		5.4 U	5.3 U	5.4 U	5.2 U	5.4 U	5 U	5.2 U
Fluoranthene	50		1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Fluorene	50		1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Hexachlorobenzene	0.04		1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Indeno[1,2,3-cd]pyrene	0.002		1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Naphthalene	10		1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Pentachlorophenol	1		11 U	11 U	11 U	10 U	11 U	10 U	10 U
Phenanthrene	50		1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U
Phenol	1		2.2 U	2.1 U	2.2 U	2.1 U	2.2 U	2 U	2.1 U
Pyrene	50		1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1 U

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 12. Summary of Metals in Groundwater, 810 River Avenue, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-3 2/22/2013	MW-3 2/22/2013 Filtered	MW-4 2/22/2013	MW-4 2/22/2013 Filtered	MW-8 2/22/2013	MW-8 2/22/2013 Filtered	MW-10 2/22/2013	MW-10 2/22/2013 Filtered
Arsenic	25		3 U	3 U	3 U	3 U	6.2	3 U	3 U	3 U
Barium	1000		200 U	200 U	200 U	200 U	515	200 U	200 U	200 U
Beryllium	3		1 U	1 U	1 U	1 U	3.2	1 U	1 U	1 U
Cadmium	5		3 U	3 U	3 U	3 U	6 U	3 U	3 U	3 U
Chromium	50		12.9	10 U	10 U	10 U	109	10 U	10 U	10 U
Copper	200		11.3	10 U	10 U	10 U	112	10 U	10 U	10 U
Lead	25		3.1	3 U	3 U	3 U	25	3 U	3 U	3 U
Manganese	300		366	168	166	248	1310	166	30.4	27.1
Mercury	0.7		0.2 U	0.2 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U
Nickel	100		10 U	10 U	10 U	10 U	87	10 U	10 U	10 U
Selenium	10		10 U	10 U	10 U	10 U	20 U	10 U	10 U	10 U
Silver	50		10 U	10 U	10 U	10 U	20 U	10 U	10 U	10 U
Zinc	2000		20 U	20 U	20 U	20 U	285	20 U	20 U	20 U

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

- - No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 12. Summary of Metals in Groundwater, 810 River Avenue, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: MW-10 DUP MW-10 DUP SW-1 SW-1 FB022213				
		Sample Date: 2/22/2013	2/22/2013	2/22/2013	2/22/2013	2/22/2013
			Filtered		Filtered	
Arsenic	25	3 U	3 U	3 U	3 U	3 U
Barium	1000	200 U	200 U	200 U	200 U	200 U
Beryllium	3	1 U	1 U	1 U	1 U	1 U
Cadmium	5	3 U	3 U	3 U	3 U	3 U
Chromium	50	10 U	10 U	10 U	10 U	10 U
Copper	200	10 U	10 U	10 U	10 U	10 U
Lead	25	3 U	3 U	3 U	3 U	3 U
Manganese	300	30	20.3	1600	1580	15 U
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	10 U	10 U	10 U	10 U	10 U
Selenium	10	10 U	10 U	10 U	10 U	10 U
Silver	50	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20 U	20 U	20 U	20 U	20 U

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

- - No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 13. Summary of Volatile Organic Compounds in Soil Vapor, 810 River Avenue, Bronx, New York

Parameter	Sample Designation: Sample Date:	SV-1 2/26/2013	SV-2 2/26/2013	SV-3 2/26/2013	SV-4 2/26/2013	SV-5 2/26/2013	Lab Blank 3/4/2013
(Concentrations in ug/m ³)							
1,1,1-Trichloroethane		1.8	2.8	5.1	2.2	7.9	0.54 U
1,1,2,2-Tetrachloroethane		0.96 U	1 U	2.9 U	1 U	4.2 U	0.69 U
1,1,2-Trichloroethane		0.76 U	0.81 U	2.3 U	0.79 U	3.3 U	0.54 U
1,1-Dichloroethane		0.57 U	0.6 U	1.7 U	0.59 U	2.5 U	0.4 U
1,1-Dichloroethene		0.56 U	0.59 U	1.7 U	0.57 U	2.4 U	0.4 U
1,2,4-Trichlorobenzene		5.2 U	5.5 U	16 U	5.4 U	23 U	3.7 U
1,2,4-Trimethylbenzene		0.69 U	2	3.3	1.1	30	0.49 U
1,2-Dibromoethane		1.1 U	1.1 U	3.3 U	1.1 U	4.7 U	0.77 U
1,2-Dichlorobenzene		0.84 U	0.9 U	2.6 U	0.87 U	3.7 U	0.6 U
1,2-Dichloroethane		0.57 U	0.6 U	1.7 U	0.59 U	2.5 U	0.4 U
1,2-Dichloropropane		0.65 U	0.69 U	2 U	0.67 U	2.8 U	0.46 U
1,3,5-Trimethylbenzene		0.69 U	0.73 U	2.1 U	0.71 U	14	0.49 U
1,3-Butadiene		0.31 U	0.33 U	0.95 U	0.32 U	1.4 U	0.22 U
1,3-Dichlorobenzene		0.84 U	0.9 U	2.6 U	0.87 U	3.7 U	0.6 U
1,4-Dichlorobenzene		0.84 U	0.9 U	2.6 U	0.87 U	3.7 U	0.6 U
1,4-Dioxane		0.5 U	0.54 U	1.5 U	0.52 U	2.2 U	0.36 U
2-Butanone (MEK)		2.1 U	2.2 U	6.3 U	2.1 U	9 U	1.5 U
2-Hexanone		2.9 U	3 U	8.8 U	3 U	12 U	2 U
2-Propanol		1.7 U	1.8 U	5.2 U	1.8 U	7.5 U	1.2 U
3-Chloropropene		2.2 U	2.3 U	6.7 U	2.3 U	9.6 U	1.6 U
4-Ethyltoluene		0.69 U	2.2	3.7	0.76	45	0.49 U
4-Methyl-2-pentanone (MIBK)		0.57 U	0.61 U	1.8 U	0.59 U	2.5 U	0.41 U
Acetone		8.5	5.9	8.4	2.1	7.3 U	1.2 U
Benzene		0.45 U	0.63	1.4 U	0.46 U	46	0.32 U
Benzyl chloride		0.72 U	0.77 U	2.2 U	0.75 U	3.2 U	0.52 U
Bromodichloromethane		0.94 U	1 U	2.9 U	0.97 U	4.1 U	0.67 U
Bromoform		1.4 U	1.5 U	4.4 U	1.5 U	6.3 U	1 U
Bromomethane		2.7 U	2.9 U	8.3 U	2.8 U	12 U	1.9 U
Carbon disulfide		2.2 U	2.3 U	6.7 U	2.2 U	31 J	1.6 U
Carbon tetrachloride		0.88 UJ	0.94 UJ	2.7 UJ	0.91 UJ	3.8 UJ	0.63 UJ
Chlorobenzene		0.64 U	0.68 U	2 U	0.67 U	2.8 U	0.46 U
Chloroethane		1.8 U	2 U	5.6 U	1.9 U	8.1 U	1.3 U
Chloroform		0.68 U	8.3	26	1.8	50	0.49 U
Chloromethane		0.39	0.31 U	0.88 U	0.3 U	1.3 U	0.21 U
cis-1,2-Dichloroethene		0.56 U	3.4	1.7 U	1.3	2.4 U	0.4 U

Table 13. Summary of Volatile Organic Compounds in Soil Vapor, 810 River Avenue, Bronx, New York

Parameter	Sample Designation: Sample Date:	SV-1 2/26/2013	SV-2 2/26/2013	SV-3 2/26/2013	SV-4 2/26/2013	SV-5 2/26/2013	Lab Blank 3/4/2013
(Concentrations in ug/m ³)							
cis-1,3-Dichloropropene		0.64 U	0.68 U	1.9 U	0.66 U	2.8 U	0.45 U
Cyclohexane		0.48 U	1.1	2.4	0.55	34	0.34 U
Dibromochloromethane		1.2 U	1.3 U	3.6 U	1.2 U	5.2 U	0.85 U
Dichlorodifluoromethane		3.4	3.8	7.8	3.1	11	0.49 U
Ethanol		8.6	4.7	9.2	2.7 U	12 U	1.9 U
Ethylbenzene		0.61 U	1.9	2.4	0.78	78	0.43 U
Freon 113		1.1 U	1.1 U	3.3 U	1.1 U	4.7 U	0.77 U
Freon 114		0.98 U	1 U	3 U	1 U	4.3 U	0.7 U
Heptane		0.57 U	0.61 U	1.8 U	0.59 U	43	0.41 U
Hexachlorobutadiene		7.5 U	7.9 U	23 U	7.7 U	33 U	5.3 U
Hexane		0.57	0.62	1.6	0.51 U	39	0.35 U
Isooctane		3.3 U	3.5 U	10 U	3.4 U	230	2.3 U
Isopropylbenzene		0.69 U	0.73 U	2.1 U	0.71 U	5.4	0.49 U
m+p-Xylene		0.61 U	6.5	7.2	3.9	290	0.43 U
Methylene chloride		1.5	1 U	3 U	0.99 J	6.4	0.69 U
MTBE		0.5 U	0.54 U	1.5 U	0.52 U	2.2 U	0.36 U
n-Propylbenzene		0.69 U	0.73 U	2.1 U	0.71 U	10	0.49 U
o-Xylene		0.61 U	3.1	2.7	1.6	88	0.43 U
Styrene		0.6 U	0.67	1.8 U	0.62 U	2.6 U	0.42 U
Tetrachloroethene		10	370	750	260	850	0.68 U
Tetrahydrofuran		2.1 U	2.2 U	6.3 U	2.1 U	9 U	1.5 U
Toluene		0.53 U	3.8	4.3	1.8	360	0.38 U
trans-1,2-Dichloroethene		0.56 U	0.59 U	1.7 U	0.57 U	2.4 U	0.4 U
trans-1,3-Dichloropropene		0.64 U	0.68 U	1.9 U	0.66 U	2.8 U	0.45 U
Trichloroethene		6.3	29	17	15	8.3	0.54 U
Trichlorofluoromethane		1.7	1.8	3.2	1.8	3.4 U	0.56 U
Vinyl chloride		0.36 U	0.38 U	1.1 U	0.37 U	1.6 U	0.26 U

J - Estimated value

E - Indicates value exceeded calibration range

U - Indicates that the compound was analyzed for but not detected

ug/m³ - Micrograms per cubic meter

Bold data indicates that parameter was detected

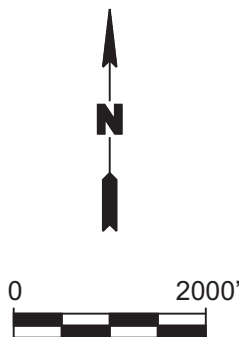


LOCATION OF SITE

QUADRANGLE LOCATION



SOURCE:
USGS; 1995, Central Park, NY-NJ
7.5 Minute Topographic Quadrangle



Title:

SITE LOCATION MAP

810 RIVER AVENUE
BRONX, NEW YORK

Prepared for:

810 RIVER AVENUE LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting
& Management

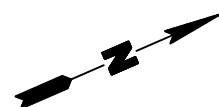
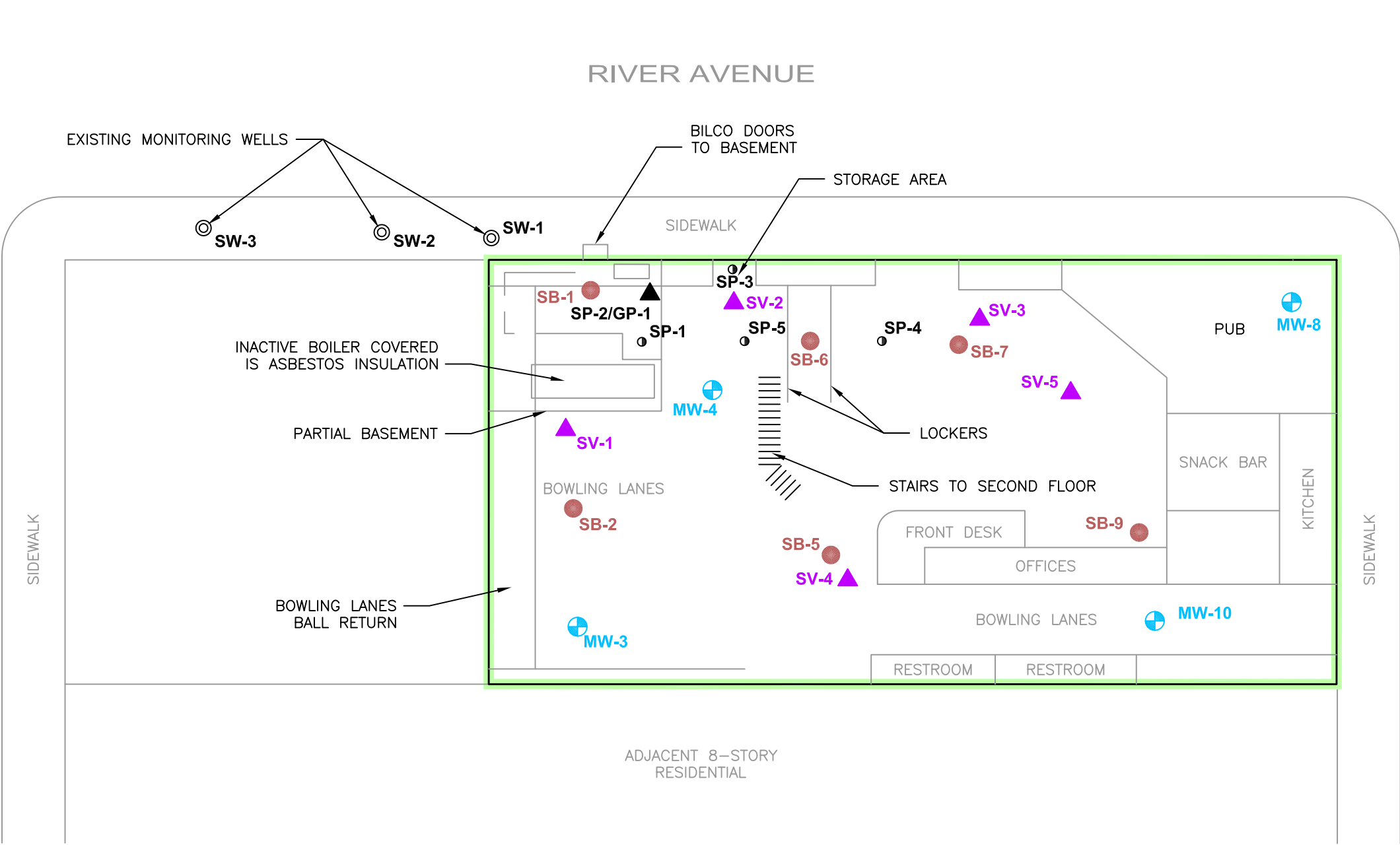
Compiled by: L.D.	Date: 26MAR13
Prepared by: J.A.D.	Scale: AS SHOWN
Project Mgr.: L.D.	Project No.: 2174.0001Y000
File: 2174.0001Y107.01.CDR	

FIGURE

1

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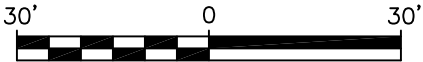
EAST 157th STREET



EAST 158th STREET

LEGEND	
	FORMER SOIL PROBE LOCATION (SP)
	FORMER SOIL PROBE CONVERTED TO GROUNDWATER PROBE
	MONITORING WELL LOCATION IN ADJACENT PROPERTY
	ABOVE GROUND STORAGE TANK

PROPOSED PHASE II SCOPE OF WORK	
	SOIL BORING (SOIL SAMPLE ONLY)
	2" MONITORING WELL (SOIL AND GROUNDWATER SAMPLE)
	SOIL VAPOR SAMPLE



Title:			
SITE PLAN			
810 RIVER AVENUE BRONX, NEW YORK			
Prepared For:			
810 RIVER AVENUE, LLC			
 ROUX ASSOCIATES, INC. Environmental Consulting & Management	Compiled by: J.L.	Date: 26MAR13	FIGURE 2
	Prepared by: J.A.D.	Scale: AS SHOWN	
	Project Mgr: J.L.	Project: 2174.001Y000	
	File: 2174.0001Y107.02.DWG		

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EAST 157th STREET

SIDEWALK

EXISTING MONITORING WELLS

SW-3

SW-2

SW-1 6.51

PARTIAL BASEMENT

INACTIVE BOILER COVERED
IS ASBESTOS INSULATION

CITY OF NEW YORK PARKS
AND RECREATION RIVER
AVENUE POCKET PARK

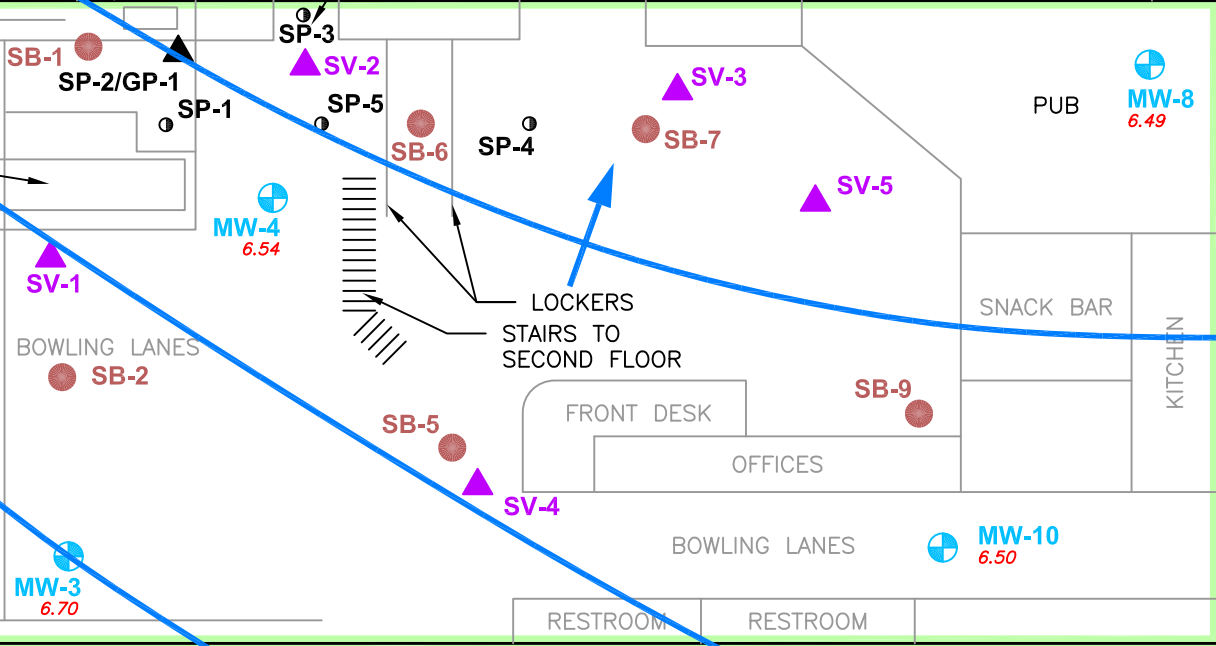
BOWLING LANES
BALL RETURN

RIVER AVENUE

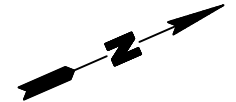
BILCO DOORS
TO BASEMENT

STORAGE AREA

SIDEWALK



ADJACENT 6-STORY
RESIDENTIAL



EAST 158th STREET

SIDEWALK

LEGEND

●	FORMER SOIL PROBE LOCATION (SP)	AST	ABOVE GROUND STORAGE TANK
▲	FORMER SOIL PROBE CONVERTED TO GROUNDWATER PROBE	6.50	GROUNDWATER ELEVATION IN FEET RELATIVE TO MEAN SEA-LEVEL
SW-1	MONITORING WELL LOCATION IN ADJACENT PROPERTY	6.54	LINE OF EQUAL GROUNDWATER ELEVATION
2	SOIL BORING (SOIL SAMPLE ONLY)	←	APPROXIMATE DIRECTION OF GROUNDWATER FLOW
3	2" MONITORING WELL (SOIL AND GROUNDWATER SAMPLE)		
SV-1	SOIL VAPOR SAMPLE		



Title: GROUNDWATER FLOW MAP FEBRUARY 22, 2013			
810 RIVER AVENUE BRONX, NEW YORK			
Prepared For: 810 RIVER AVENUE, LLC			
ROUX ROUX ASSOCIATES, INC. Environmental Consulting & Management	Compiled by: J.L.	Date: 09APR13	FIGURE 3
	Prepared by: J.A.D.	Scale: AS SHOWN	
	Project Mgr: J.L.	Project: 2174.001Y000	
	File: 2174.0001Y107.03.DWG		

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EAST 157th STREET

SIDEWALK

EXISTING MONITORING WELLS

SW-3

SW-2

SW-1

RIVER AVENUE

BILCO DOORS
TO BASEMENT

STORAGE AREA

SIDEWALK

INACTIVE BOILER COVERED
IS ASBESTOS INSULATION

PARTIAL BASEMENT

BOWLING LANES

SB-2

MW-3

ADJACENT 8-STORY
RESIDENTIAL

SP-3

SP-5

SB-6

SP-4

LOCKERS

STAIRS TO SECOND FLOOR

FRONT DESK

OFFICES

SB-9

BOWLING LANES

SNACK BAR

KITCHEN

MW-8
PUB

SV-3

SV-5

SB-5

SV-4

MW-10

RESTROOM

RESTROOM

SB-7	2/13/13
Depth	18-20
VOCs	
Chromium, Trivalent	33

MW-3	2/13/13
Depth	17-19
VOCs	
Chromium, Trivalent	58.6

LEGEND

- FORMER SOIL PROBE LOCATION (SP)
- ▲ FORMER SOIL PROBE CONVERTED TO GROUNDWATER PROBE
- SW-1 ◎ MONITORING WELL LOCATION IN ADJACENT PROPERTY
- AST ABOVE GROUND STORAGE TANK

PROPOSED PHASE II SCOPE OF WORK

- 2 ● SOIL BORING (SOIL SAMPLE ONLY)
- 3 ⊕ 2" MONITORING WELL (SOIL AND GROUNDWATER SAMPLE)
- SV-1 ▲ SOIL VAPOR SAMPLE

NOTES

CONCENTRATIONS IN mg/kg
mg/kg – MICROGRAMS PER KILOGRAM
*NYSDEC PART 375 UNRESTRICTED USE SOIL STANDARDS
NYSDEC – NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
– – NOT DETECTED ABOVE NYSDEC PART 375 UNRESTRICTED USE SOIL STANDARDS
ND – NO DETECTION

Parameter (Concentrations in mg/kg)	Standards* (mg/kg)
METALS	
Chromium, Trivalent	30
Chromium	30



Title: SOIL DETECTIONS IN EXCESS OF PART 375 UUSCOs

810 RIVER AVENUE
BRONX, NEW YORK

Prepared For:

810 RIVER AVENUE, LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting
& Management

Compiled by: J.L.	Date: 09APR13	FIGURE 4
Prepared by: J.A.D.	Scale: AS SHOWN	
Project Mgr: J.L.	Project: 2174.001Y000	
File: 2174.0001Y107.04.DWG		

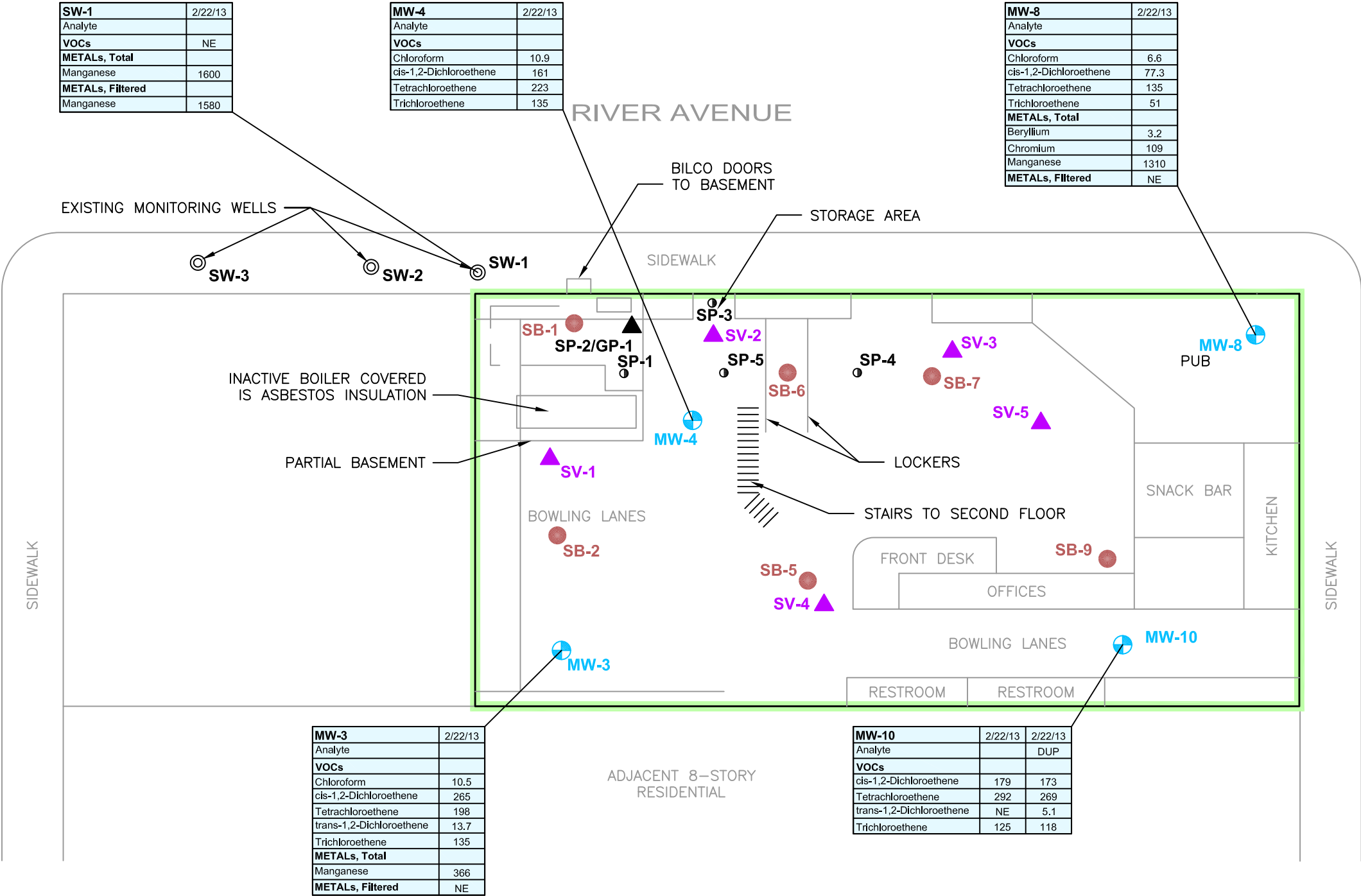
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SW-1	2/22/13
Analyte	
VOCs	NE
METALs, Total	
Manganese	1600
METALs, Filtered	
Manganese	1580

MW-4	2/22/13
Analyte	
VOCs	
Chloroform	10.9
cis-1,2-Dichloroethene	161
Tetrachloroethene	223
Trichloroethene	135

MW-8	2/22/13
Analyte	
VOCs	
Chloroform	6.6
cis-1,2-Dichloroethene	77.3
Tetrachloroethene	135
Trichloroethene	51
METALs, Total	
Beryllium	3.2
Chromium	109
Manganese	1310
METALs, Filtered	NE

EAST 157th STREET



MW-3	2/22/13
Analyte	
VOCs	
Chloroform	10.5
cis-1,2-Dichloroethene	265
Tetrachloroethene	198
trans-1,2-Dichloroethene	13.7
Trichloroethene	135
METALs, Total	
Manganese	366
METALs, Filtered	NE

MW-10	2/22/13	2/22/13
Analyte		DUP
VOCs		
cis-1,2-Dichloroethene	179	173
Tetrachloroethene	292	269
trans-1,2-Dichloroethene	NE	5.1
Trichloroethene	125	118

LEGEND

- FORMER SOIL PROBE LOCATION (SP)
- ▲ FORMER SOIL PROBE CONVERTED TO GROUNDWATER PROBE
- SW-1 ● MONITORING WELL LOCATION IN ADJACENT PROPERTY
- AST ABOVE GROUND STORAGE TANK

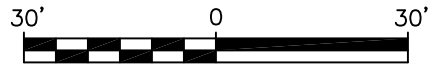
PROPOSED PHASE II SCOPE OF WORK

- 2 ● SOIL BORING (SOIL SAMPLE ONLY)
- 3 ● 2" MONITORING WELL (SOIL AND GROUNDWATER SAMPLE)
- SV-1 ▲ SOIL VAPOR SAMPLE

NOTES

CONCENTRATIONS IN µg/L
µg/L – MICROGRAMS PER LITER
*NYSDEC AWQSGVs
NYSDEC – NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AWQSGVs – AMBIENT WATER-QUALITY STANDARDS AND GUIDANCE VALUES
– – NOT DETECTED ABOVE NYSDEC AWQSGV
DUP – DUPLICATE SAMPLE
VOCs – VOLATILE ORGANIC COMPOUNDS
NE – NO EXCEEDANCES

Parameter (Concentrations in µg/L)	Standards* (µg/L)
VOCs	
Chloroform	7
cis-1,2-Dichloroethene	5
Tetrachloroethene	5
trans-1,2-Dichloroethene	5
Trichloroethene	5
METALs	
Beryllium	3
Chromium	50
Manganese	300



Title:

GROUNDWATER DETECTIONS IN EXCESS OF AWQSGVs

810 RIVER AVENUE
BRONX, NEW YORK

Prepared For:

810 RIVER AVENUE, LLC

Compiled by: J.L. Date: 05APR13

Prepared by: J.A.D. Scale: AS SHOWN

Project Mgr: J.L. Project: 2174.001Y000

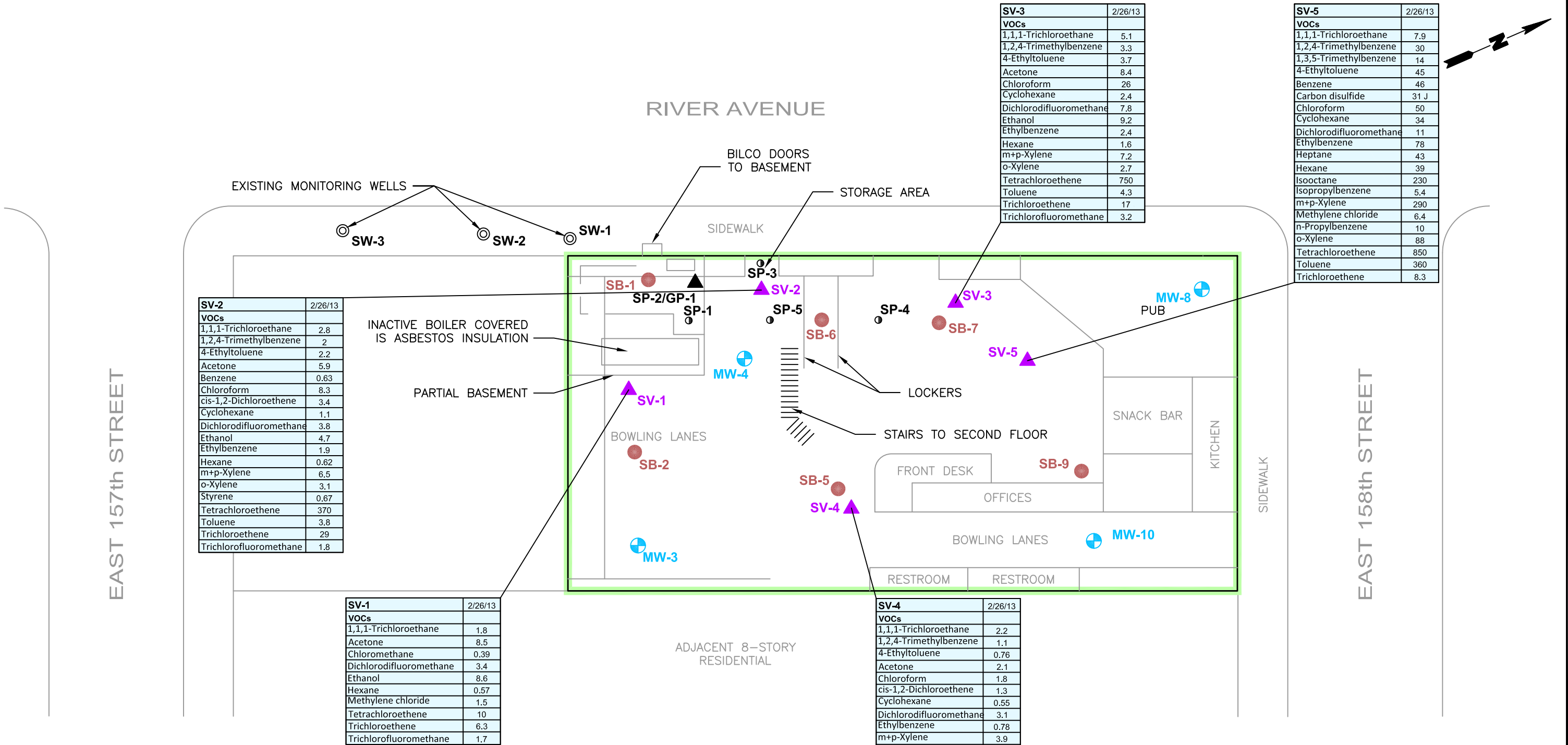
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FIGURE

5



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- LEGEND
- FORMER SOIL PROBE LOCATION (SP)
 - ▲ FORMER SOIL PROBE CONVERTED TO GROUNDWATER PROBE
 - SW-1 ● MONITORING WELL LOCATION IN ADJACENT PROPERTY
 - AST ABOVE GROUND STORAGE TANK

- PROPOSED PHASE II SCOPE OF WORK
- 2 ● SOIL BORING (SOIL SAMPLE ONLY)
 - 3 ● 2" MONITORING WELL (SOIL AND GROUNDWATER SAMPLE)
 - SV-1 ▲ SOIL VAPOR SAMPLE

NOTES

CONCENTRATIONS IN $\mu\text{g}/\text{m}^3$

$\mu\text{g}/\text{m}^3$ - MICROGRAMS PER CUBIC METER

J - ESTIMATED VALUE

Title:

SOIL VAPOR DETECTIONS

810 RIVER AVENUE
BRONX, NEW YORK

Prepared For:

810 RIVER AVENUE, LLC

ROUX ROUX ASSOCIATES, INC. Environmental Consulting & Management	Compiled by: J.L. Prepared by: J.A.D. Project Mgr: J.L.	Date: 09APR13 Scale: AS SHOWN Project: 2174.001Y000	FIGURE 6

Remedial Investigation Report

APPENDICES

**Hydrotech Site Assessment Report
(Phase I/II Report)**



Hydro Tech Environmental, Corp.

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15 Ocean Avenue, 2nd Fl.
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WWW.HYDROTECHENVIRONMENTAL.COM

COMPREHENSIVE ENVIRONMENTAL SITE ASSESSMENT REPORT

**810 River Avenue
Bronx, New York 10451**



Prepared For

Strohmayer Realty Corp.
13 Valley Court
Athens, New York 12015

March 28, 2011

Hydro Tech Job No. 110048

**COMPREHENSIVE ENVIRONMENTAL
SITE ASSESSMENT REPORT**

**810 River Avenue
Bronx, New York 10451**

March 28, 2011

Hydro Tech Environmental, Corp. appreciates the opportunity to work for Strohmayer Realty Corp. at the property located at 810 River Avenue, Bronx, New York.

Should you require any additional information or have any comments regarding the contents of this report, please feel free to contact our office at your convenience.

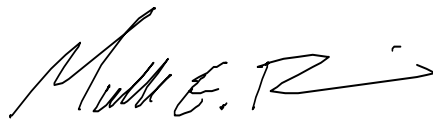
Very Truly Yours,
Hydro Tech Environmental, Corp.



X _____
Timothy Lo
Project Geologist



X _____
Rachel Ataman
VP Technical Services



X _____
Mark E. Robbins, C.P.G., C.E.I.
Senior Vice President

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- B. Regulatory Agency Documents
- C. Fire Insurance Maps
- D. City Directory Search
- E. Database Search Results
- F. Soil Probe Logs
- G. Laboratory Reports
- H. Credentials

1.0 EXECUTIVE SUMMARY

Hydro Tech Environmental, Corp. (Hydro Tech) has performed a Comprehensive Environmental Site Assessment of the property located at 810 River Avenue, Bronx, New York. The Environmental Site Assessment was performed on behalf of Strohmayer Realty Corp., the realtor of the property.

The purpose of the assessment was to identify historical uses and/or specific conditions or areas of concern at the subject site in order to conduct subsequent investigation/sampling of such areas. To accomplish this, aspects of the American Society for Testing and Materials Standard E1527-05, entitled "Standard Practices for Environmental Site Assessment: Phase I Environmental Site Assessment Process" were utilized. The Phase II consisted of the performance of a Ground Penetrating Radar (GPR) survey, followed by the installation and sampling of five (5) soil probes and one (1) groundwater probe to investigate the soil and groundwater quality beneath the Site. All work was performed under the supervision of a Hydro Tech Project Manager and under the guidance of a Hydro Tech Geologist.

The results of the investigation are contained in this report, with the following conclusions:

- The presence of suspect asbestos containing material.
- The suspect presence of two (2) 550-gallon underground storage tanks with unknown status.
- The Site is associated with a New York City E designation (E-225) for Hazardous Materials and Noise.
- The presence of an inactive aboveground storage tank (AST) in the basement of the building.
- The presence of chlorinated solvents in the groundwater at concentrations exceeding their respective NYSDEC regulatory standards.

No effort has been made to perform any investigation beyond what is included in this Report. The observations and conclusions included herein summarize the results of the investigation up to the date of the fieldwork and the date of this Report.

The following sections provide the details and specific information pertaining to the various components of this investigation.

2.0 INTRODUCTION & SCOPE OF WORK

2.1 Introduction

Hydro Tech Environmental, Corp. (Hydro Tech, the **“Preparer”**) has been retained by Strohmayer Realty Corp. (the **“Realtor”**) to perform a Comprehensive Environmental Site Assessment at the property located at 810 River Avenue in Bronx, New York. The property will hereafter be referred to as the **“Site”**.

The purpose of the assessment was to identify historical uses and/or specific conditions or areas of concern at the subject site in order to conduct subsequent investigation/sampling of such areas.

2.2 Scope of Work

Hydro Tech personnel visually and physically observed the property and any structure(s) located on the property to the extent not obstructed by bodies of water, adjacent buildings or other obstacles. Photographs of the Site and adjoining properties were taken. A visual inspection for the potential presence of Asbestos Containing Materials, Lead-Based Paint, and Mold was also conducted. Hydro Tech also obtained and reviewed an EDR Environmental Database Report for the Site and summarized properties contained in the *Standard Environmental Record Sources* which were indicated to be located within their respective Minimum Search Distances from the subject property as defined in ASTM E1527-05 Section 8.2.1. Available street directories and Sanborn Fire Rate Insurance Maps for the Subject Site were also reviewed in order to determine if any historical use(s) of concern exist at the property.

Concurrent with this Phase I ESA, soil probes and a groundwater probe were installed to evaluate the general soil and groundwater property.

2.3 Limitations, Deviations and Exceptions

This report is not intended to serve as a full asbestos survey or lead-based paint survey. These surveys are commonly performed for the purpose of building demolition/renovation or the recognition/identification of any building materials that may contain asbestos or lead-based paint and it is recommended that they be performed prior to any such work.

All related portions of the Phase II fieldwork were performed, at a minimum, in accordance with acceptable industry standards. These acceptable industry standards include, but are not limited to, the ASTM Standard Guide for Phase II Environmental Site Assessments (E 1903-97), the New York State Department of Environmental Conservation (NYSDEC) Bureau of Spill Prevention & Response Sampling Guidelines and Protocols, March 1991 and the DER-10 Technical Guidance for Site Investigation and Remediation, May 2010.

Business environmental risks have not been considered and are not included in the scope of work. This investigation is not intended to evaluate the fair market price of the property if it is not affected by hazardous or petroleum products. This report does not address vapor intrusion.

3.0 PHASE I ESA

3.1 Site Description

3.1.1 Site Vicinity

The Site is located on the east side of River Avenue, between East 157th Street and East 158th Street, in the Borough of Bronx, New York. The Borough of Bronx is situated in the northern portion of the City of New York.

The vicinity of the Site consists of residential (apartment buildings) and commercial properties. The ground surfaces in the vicinity of the Site consist of concrete and asphalt surfaces.

3.1.2 Site Details

The address of the Site is identified as 810 River Avenue, Bronx, New York, and is further described as Block 2483, Lot 5.

The property is a rectangular-shaped, approximately 20,000 square-foot lot that is occupied by a 2-story commercial building with a basement. The ground floor is currently utilized bowling alley, bar & snack bar with a ceiling height of approximately 12 feet and the 2nd floor is currently utilized as a bowling alley alone. The condition of upper level floor is good. Water damaged ceilings due to water intrusion is identified in the eastern portion of the suspended ceiling.

The Site is connected to the New York City sewer system, water, gas and electric services. These services enter the Site underground from River Avenue to the northwest. The 2-story commercial building is heated through a gas-operated forced air system.

The topography of the Site and its vicinity is generally level. **Figure 1** provides a Site Plan.

3.1.3 Adjacent Land Use

The Site is located in a residential and commercial area. The following properties were identified immediately adjacent to the Site:

Direction	Adjacent Parcel	Surrounding Parcels
North	Vacant lot	Residential/Commercial
South	Playground	Residential / Commercial
East	7-story residential	Residential / Commercial
West	Vacant lot	Residential/Commercial

Hydro Tech does not believe that the adjacent properties identified above should impact upon the environmental quality of the Site.

3.1.4 Proximity to Environmentally Sensitive Areas

The results of the Site inspection and an evaluation of the United States Geological Survey (USGS) 7-½ Minute Topographic Map containing the properties indicate that there are four (4) environmentally sensitive receptors present within ¼ mile radius of the Site. The sensitive receptors are not located immediately adjacent to the Site; therefore, Hydro Tech believes that the Site should not impact upon the environmental quality of the sensitive receptors.

3.1.5 Environmental Setting

The Subject Property is located in the southwestern portion of the Bronx in the City of New York. The elevation of the Subject Property is approximately 23 feet above mean sea level (USGS 7 ½-Minute Central Park, New York – New York Quadrangle, Photorevised 1995).

The Bronx, New York is located in the northern portion of the City of New York. The vicinity of the Site is characterized by metamorphosed sequence of bedrock known as the Manhattan Prong of the Hartland Formation. The Hartland Formation was formed during the late Cambrian to early Ordovician period and consists of undivided pelitic schist with gneiss and amphibolite. The formation is frequently cross cut by transverse and parallel faults. The area is overlain by Pleistocene aged glacial till deposits.

Outcrops of bedrock are common place in the Bronx. However, no areas of exposed bedrock were identified during the Site inspection.

The depth to groundwater in the vicinity of the Subject Property is approximately 18 feet below grade. The regional groundwater flow direction in the vicinity of the Subject Property is toward the southwest, in the direction of the Harlem River.

3.2 Site Reconnaissance

Carlos Quinonez of Hydro Tech performed the site reconnaissance portion of the Phase I Assessment on Monday, March 14, 2011. The weather during the inspection was sunny and approximately 40 degrees Fahrenheit. **Appendix A** provides photographs of the Subject Property.

Hydro Tech inspected all accessible portions of the Subject Property. The following pertinent information was obtained during the Subject Property Reconnaissance:

1. Industrial Processes:

No industrial processes were observed at the Subject Property. No evidence of historical industrial processes was observed at the Subject Property.

2. Suspect Asbestos-Containing Materials:

Suspect asbestos-containing materials were observed at the Subject Property in the inactive boiler in the partial basement. The possible presence of asbestos-containing materials may impact upon the environmental quality of the Subject Property, and therefore, should be considered a REC.

3. Suspect Lead-Based Paint:

No suspect lead-based paint was observed at the Subject Property.

4. Drum Storage:

No current or former drum storage areas were observed at the Subject Property.

5. Storage Tanks:

Evidence of one (1) aboveground storage tanks (AST) was observed at the Subject Property in the partial basement. The AST is 1,080 gallons in volume and is encased in concrete. The encasement is in good condition with no evidence of stains, odors or spills. The AST is no longer in use. The presence of the inactive AST should be considered a REC.

No evidence of former USTs or ASTs was observed at the Subject Property.

6. Drains:

No floor drains were observed at the Subject Property. No evidence of former floor drains was observed at the Subject Property.

7. Subsurface Drainage Structures:

No subsurface drainage structures, such as leaching pools, cesspools, or drywells were observed at the Subject Property. No evidence of former subsurface drainage structures were observed at the Subject Property.

8. PCB-Containing Equipment:

No leaking electric transformers containing PCBs were observed at the Subject Property. No evidence of PCBs or PCB-containing equipment, except light ballasts, were observed at the Subject Property. Due to the age of the building, the possible presence of PCBs in light ballasts should be considered during future demolition or construction activities.

9. Lead in Drinking Water:

The testing of drinking water for lead is beyond the scope of this Phase I ESA.

10. Monitoring / Potable Water Wells:

No monitoring wells or potable water wells were observed at the Subject Property. Three (3) monitoring wells were observed on adjacent property to the south. The adjacent parcel with the monitoring wells will be further discussed in this report.

11. Visual Evidence of Mold:

No visual evidence of mold was identified at the Subject Property.

12. Pits, Ponds, or Lagoons:

No waste disposal pits, ponds, or lagoons were observed at the Subject Property. No evidence of former pits, ponds, or lagoons was observed at the Subject Property.

13. Distressed Vegetation:

No distressed vegetation was observed at the Subject Property.

14. Fill / Land Disposal:

No areas of fill or evidence of land disposal of material(s) were observed at the Subject Property.

15. Engineering Controls:

No engineering controls were noted at the Subject Property.

16. Odors:

No odors indicative of a petroleum, chemical or hazardous substance spill or release were identified at the Subject Property.

17. Hazardous Substance / Petroleum Containers:

No evidence of suspect hazardous substance or petroleum containers was identified at the Subject Property.

3.3 Regulatory Agency Documents

Freedom of Information Act (FOIA) requests were issued to the following regulatory agencies with respect to the Site. All reasonably ascertainable municipal records are provided with this report. **Appendix B** provides copies of the regulatory agency documents.

- New York City Department of City Planning
- New York City Department of Building
- New York City Department of Health
- New York City Bureau of Fire Department
- New York State Department of Environmental Conservation
- New York City Department of Environmental Protection

New York City Department of City Planning

A FOIA request was submitted to the New York City Zoning Department. The address of the Site is identified as 810 River Avenue.

The New York City Zoning Department indicated that the Site is zoned "C6-3D". The Little "E" Restriction is listed as "E-225: Hazmat/Noise". The E-designation associated with the Site should be considered a REC.

The Department of Finance Occupancy Code is listed as "K2-Store Building" for the Site. This is inconsistent with the current utilization of the Site as it is currently a bowling alley/sports bar and grill.

New York City Department of Building

A FOIA request was submitted to the New York City Department of Building (NYCDOB). The Tax Map number for 810 River Avenue is Block 2483, Lot 5. The NYCDOB indicates that there are no open complaints or open Environmental Control Board (ECB) violations reported for the Lot. There is one (1) open DOB violation, however, no specific information was provided. There are twenty-two (22) actions listed pertaining to alteration, building notice, electric sign, public assembly, plumbing repair slip, special report, and Certificate of Occupancy. Two (2) Certificate of Occupancy (CO) documents were included in the NYCDOB records. The included CO, dated March 10, 1958, for "boiler room" in the cellar and "warehouse" on the 1st and 2nd floor. An approval of fuel oil installation by the Fire Department was noted on the CO. The other CO, dated June 28, 1960, for "no occupancy" in the cellar, "bowling alley, toilers & locker rooms, lunch counter, game room & cocktail lounge" on the 1st floor and "bowling alley" on the 2nd floor.

New York City Department of Health

A FOIA request was submitted to the New York City Department of Health (NYCDOH). The NYCDOH assigned the Control #**2011FR00531**. Any additional information will be provided as soon as it has been received and evaluated.

New York City Bureau of Fire Prevention

A FOIA request was submitted to the New York City Bureau of Fire Prevention (NYCBFP). The NYCBFP was contacted via telephone to obtain the status of the FOIA request. As of the date of this report, the NYCBFP has not responded to our initial search request or subsequent follow-up calls. Any information provided by the NYCBFP will be provided as soon as it has been received and evaluated.

New York State Department of Environmental Conservation

A FOIA request was submitted to the New York State Department of Environmental Conservation (NYSDEC). The NYSDEC assigned the FOIA referenced number **R2-11-450**. No other information was provided. Any additional information will be provided as soon as it has been received and evaluated.

New York City Department of Environmental Protection

A FOIA request was submitted to the New York City Department of Environmental Protection (NYCDEP). The NYCDEP assigned FOIA Log #**67093**. The NYCDEP responded to the FOIA Log #**67093** by stating that no records were identified in association with the Site. No other information was provided. Any additional information will be provided as soon as it has been received and evaluated.

3.4 Site History

3.4.1 Historical Maps

Sanborn Fire Rate Insurance Maps for the Site and its vicinity dated 1891, 1951, 1969, 1970, 1977, 1978, 1979, 1980, 1981, 1984, 1989, 1991, 1992, 1993, 1995, 1996, 1998, 2001, 2002, 2003, 2004, 2005, 2006 and 2007 were obtained from EDR and evaluated in order to establish the history of the Site. **Appendix C** provides a copy of the Sanborn Fire Rate Insurance Maps.

810 River Avenue Property

Date	Site Shown As	Notes
1891	Vacant and undeveloped, part of a much larger lot	
1951	Developed with a 2-story store/garage built in the 1927, 'two 550-gallon gasoline tanks buried' was denoted	
1969 - 2007	Building utilization changed to 'bowling', the denoted gasoline tanks was no longer present	

3.4.2 City Directory Search

In order to further assess the property's history, available City Directory files were obtained from EDR for review. The City Directories document known occupants of specific properties and sorted by individual addresses. **Appendix D** provides a copy of the City Directory Search.

The following provides a listing of all documented usages of the Site (810 River Avenue).

Date	Use of Site	Surrounding Property Use
1949	Amer Garage	Residential/Commercial
1956	Amer Garage/Amer Auto Service	Residential/Commercial
1961	Stadium Lanes Bowling Alleys	Residential/Commercial
1971	Same as above	Residential/Commercial
1976	Same as above	Residential/Commercial
1983	Ball Park Lanes Ince Bowling Alleys	Residential/Commercial
1993	Same as above	Residential/Commercial
2000	Ball Park Lanes Inc/Leroy Pro Shop	Residential/Commercial
2005	Same as above	Residential/Commercial

3.4.3 Historical Use Summary

Based on a review of available information provided and/or obtained for the Site as of the date of this ESA, it appears that the Site has been developed since at least the late 1920s with historical uses of concern specifically including the presence of two (2) buried 550-gallon gasoline tanks depicted in the 1951 Fire Insurance Map. In addition, the tanks are not registered to the NYSDEC Petroleum Bulk Storage (PBS) database. The historical presence of the tanks may have impacted upon the environmental quality of the Site, and therefore, this concern was investigated further during this Comprehensive Assessment.

The historical use of adjacent properties does not appear to have impacted the environmental quality of the Site.

No historical data failure (defined by ASTM E1527-05 as "a failure to achieve the historical research objectives") was encountered over the course of this investigation.

3.5 Neighborhood Hazardous Waste Databases

Federal, State, Local and Tribal hazardous waste databases were reviewed with respect to the Site and surrounding properties. The search areas for each database were specified by both ASTM E 1527 and the AAI rule. In addition, all orphan sites (those without adequate information for mapping purposes) listed in the database search were also reviewed, evaluated and incorporated (as needed). **Appendix E** provides a copy of the Database Search Results. The following databases, with the appropriate search radius, were reviewed:

ASTM Standard Environmental Record Source	Approx. ASTM Minimum Search Distance (MSD)	Number of Mapped Sites within MSD	Number of Orphan Sites
1. NPL (Superfund) <i>National Priorities List</i>	1.0 Mile	0	0
2. Delisted NPL Site <i>Delisted National Priorities List Site</i>	0.5 Mile	0	0
3. CERCLIS <i>Comprehensive Environmental Response Compensation & Liability Information System</i>	0.5 Mile	0	0
4. CERCLIS NFRAP <i>CERCLIS No Further Remedial Action Planned Site</i>	0.5 Mile	0	0
5. RCRA-TSD CORRACTS <i>Resource Conservation & Recovery Treatment/Storage/Disposal Facility Subject to Corrective Action</i>	1.0 Mile	0	0
6. RCRA-TSD <i>Resource Conservation & Recovery Treatment/Storage/Disposal Facility (Non-Corrective Action)</i>	0.5 Mile	0	0
7. RCRA-LG <i>Resource Conservation & Recovery Large Quantity Generator</i>	Site & Adjoining	0	0
8. RCRA-SG <i>Resource Conservation & Recovery Small Quantity Generator</i>	Site & Adjoining	0	0
9. ERNS <i>Emergency Response Notification System</i>	Property Only	0	0
10. Local / State / Tribal UST, PBS <i>Registered Storage Tanks</i>	Site & Adjoining	1	0
11. Local / State / Tribal LTANKS <i>Leaking Underground Storage Tanks</i>	0.5 Mile	43	0
12. State Spill Incidents <i>NYSDEC Spill Sites</i>	0.125 Mile	6	9
13. Local / State / Tribal SWF <i>Solid Waste Facility / Landfill</i>	0.5 Mile	0	0
14. Local / State / Tribal CERCLIS <i>Inactive Hazardous Waste Disposal Site</i>	0.5 Mile	2	0
16. Inst. / Engineering Controls <i>Registry of Institutional and/or Engineering Controls</i>	Property Only	0	0
17. Voluntary Cleanup Program Sites <i>Local / State / Tribal VCP Sites</i>	0.5 Mile	0	0
18. Brownfield Sites <i>Local / State / Tribal Brownfield Sites</i>	0.5 Mile	0	0
19. Non-ASTM Record Source(s)	Not Applicable	No MSD has been established by ASTM for these sources	

The review and evaluation of the above Federal and State/Tribal/Local Databases indicates that the Site was identified in the following databases:

Lot 5, Tax Block 2483 at 810 River Avenue is listed in the E Designation database. The E-designation is associated with the E-225: Hazmat/Noise and with the CEQR #09DCP024X. The inclusion of the property on this database may have affected the environmental integrity of the Site and should be considered a REC.

There is one (1) site listed in the Petroleum Bulk Storage (PBS) Tanks database immediately adjacent of the Subject Property. The site is registered under PBS #**2-148141** and consists of an active 15,000-gallon UST containing #2 fuel oil. This tank passed its tank tightness test in 2006. Therefore, given the gradient and/or current case status, the listed adjacent site should not impact upon the environmental quality of the Site.

Forty-three (43) sites are listed in the Leaking Underground Storage Tanks (LUSTs) database within a ½ mile radius of the Site. Only five (5) of these incidents have open spill numbers. One (1) of the sites is located within 0.001 mile of the Site. The onsite tanks were scheduled to be removed in March 2010. The NYSDEC is currently waiting for closure applications for those tanks. The remaining four (4) sites are located over 1/10 mile from the Site. Therefore, given the distance, gradient, and/or current case status, none of these LUST incidents should impact upon the environmental quality of the Site.

Six (6) properties are listed in the NY Spills database within a ¼ mile radius of the Site. Only one (1) of these incidents has an open spill number, and given the distance, gradient, and/or current case status of the remaining five (5) incidents, none should impact upon the environmental quality of the Site. The one (1) open incident is as follow:

Yankee Stadium Parking Lot at River Avenue/East 157th Street is located across River Avenue to the southeast of the Site. State database records indicate this open spill was reported on September 15, 2005 due to contaminated soil identified in the parking lot during a subsurface investigation. A proposed Remedial Action Work Plan consisting of Air Sparge Soil Vapor Extraction and bioremediation was submitted to the NYSDEC in March 2010. Fuel oil tanks were identified during the anomaly assessment and the tanks were removed in March 2010 with a UST Removal Report submitted to the NYSDEC in April 2010. Although this case remains open, given the nature of the incident, it should not impact upon the environmental quality of the Site.

There are two (2) Inactive Hazardous Waste Sites located within ½ mile of the Site. Only one (1) of these incidents has an open violation, and given the distance, gradient, and/or current case status of the remaining one (1) incident, it should not have impacted upon the environmental quality of the Site. The one (1) open incident is as follow:

2350 Fifth Avenue Corp at 2350 5th Avenue is located over ¾ miles from the Site. State database records indicate that between 1970 and 1994, the site was occupied by an industrial laundry with a dry cleaning operation utilizing Tetrachloroethylene (PCE) as a cleaning solvent. Soils beneath the site, and onsite and offsite groundwater were contaminated with PCE. In addition, during renovations between 1996 and 1997, indoor air testing revealed the presence of PCE above the NYSDOH residential indoor air guideline of 15 parts per billion. A Soil Vapor Extraction system was installed as an Interim Remedial Measure. In December 2008, the NYSDOH required additional vapor intrusion investigation around the site perimeter. Although this case remains open, given the nature of the incident, it should not impact upon the environmental quality of the Site.

None of the remaining properties identified in the databases should impact upon the environmental quality of the Site.

4.0 PHASE II ESA

4.1 Introduction

The Phase II ESA was performed at 810 River Avenue in order to assess the general soil and groundwater quality beneath the Site. The field portion of the investigation was performed on March 14, 2011. The fieldwork consisted of the performance of a Ground Penetrating Radar (GPR) survey, followed by the installation and sampling of five (5) soil probes and one (1) groundwater probe. All portions of the fieldwork were performed under the direct oversight of a Hydro Tech Geologist and under the guidance of a Hydro Tech Project Manager.

All related portions of the fieldwork were performed, at a minimum, in accordance with acceptable industry standards. These acceptable industry standards include, but are not limited to, the ASTM Standard Guide for Phase II Environmental Site Assessments (E 1903-97), the New York State Department of Environmental Conservation (NYSDEC) Bureau of Spill Prevention & Response Sampling Guidelines and Protocols, March 1991 and the DER-10 Technical Guidance for Site Investigation and Remediation, May 2010.

4.2 Soil Probes

Five (5) soil probes, designated SP-1 through SP-5, were installed during the investigation. The purpose of the soil probes was to investigate the soil quality beneath the Site.

Due to the interior configuration and usage of the Site, available locations to install soil borings were limited. SP-1 was installed northwest of the inactive boiler present in the basement; SP-2 was installed northeast of the inactive AST present in the basement; SP-3 was installed in the western storage area of the 1st floor; SP-4 was installed north of the lockers on the 1st floor; and SP-5 was installed west of the staircase on the 1st floor. **Figure 2** provides the Sampling Plan.

SP-1 through SP-5 were installed utilizing Hydro Tech's remotely operated probing machine fitted with Geoprobe® tooling equipment. This machine installs soil probes utilizing direct-push technology. Soil samples were collected utilizing a four-foot long macro-core sampler fitted with dedicated acetate liners. Each sampler was installed with 1½-inch diameter drill rods. SP-1 and SP-2 were installed to a depth of approximately 4 feet below cellar grade (approximately 13 feet below grade). SP-3 through SP-5 were installed approximately 12 feet below grade. The water table was not encountered during the installation of the soil probes.

Separate aliquots of each soil sample were placed into 8-ounce jars and appropriately labeled. The Hydro Tech geologist then characterized each soil sample in the field. The soil characterization consisted of determining the soil classification utilizing the Unified Soil Classification System and screening each sample for organic vapors utilizing a Photoionization Detector (PID).

A PID makes use of the principle of photoionization for the detection and qualitative measurement of organic vapors. A PID does not respond to all compounds similarly, rather, each compound has its own response factor relative to its calibration. For this investigation, the PID was calibrated to the compound isobutylene, which is published by the manufacturer. The PID has a minimum detection limit of 0.1 parts per million (ppm). This meter measures the hydrocarbon concentrations in isolated portions of the secured samples.

Headspace analysis was conducted on each soil sample by partially filling the zip-loc bag and sealing it, thereby creating a void. This void is referred to as the sample headspace. To facilitate the detection of any hydrocarbons contained within the headspace, the container was agitated for a period of 30 seconds. The probe of the PID was then placed within the headspace to measure the organic vapors present. Soil probe logs were then generated based upon the soil characterization, along with the PID field screening.

Table 1 provides the Soil Characterization Details. As **Table 1** indicates, the general soil type beneath the Site consists of brown, medium-grained sandy loam with pebble-sized clasts. No levels (<0.1 ppm) of organic vapors were detected with the PID during the field screening of SP-1 through SP-5. In addition, no visual/olfactory evidence of contamination was observed in any of the soil samples obtained. **Appendix F** provides copies of the Soil Probe Logs.

Based upon the in-field screening results, the soil samples were selectively containerized for confirmatory analysis. These samples include the 2 to 4 foot samples from SP-1 and SP-2; 6 to 8 foot sample from SP-3; the 8 to 10 foot sample from SP-4; and the 10 to 12 foot sample from SP-5.

4.3 Groundwater Probes

One (1) groundwater probe, designated GP-1, was installed at the Site. The purpose of the groundwater probe was to investigate the groundwater quality beneath the Site.

GP-1 was installed in the same location as SP-2 and was installed utilizing the same technology as the soil probes (i.e. direct push). The groundwater probe was installed with 2-inch diameter drill rods and consisted of a 5 foot long screen with a slot size of 0.020 inches. The screen was placed so that it bisected the water table, which was encountered at approximately 18 feet below grade.

Groundwater samples were obtained utilizing an inertial pump consisting of a stainless steel check valve and ball. The inertial pump was fitted with dedicated polyethylene tubing, which allowed the groundwater to be brought up to the ground surface for collection. Each groundwater sample was then placed into 2 pre-cleaned 40-milliliter (mL) vials and 1 pre-cleaned 1,000 mL jar and appropriately labeled.

4.4 Laboratory Analyticals

All soil and groundwater samples were placed in a cooler and maintained at four (4) degrees Celsius. The samples were transmitted under proper chain of custody procedures to a State-certified (ELAP) laboratory. All samples were analyzed for volatile organic compounds (VOCs) via EPA Method 8260 and semi-volatile organic compounds (SVOCs) via EPA Method 8270BN. **Appendix G** contains the Laboratory Reports.

4.5 Decontamination Procedures & Quality Assurance/Quality Control

Each piece of sampling or other down hole equipment was decontaminated prior to each use in order to ensure that cross-contamination between sampling locations did not occur. The following procedure was utilized in the decontamination process:

- Wipe clean and wash with Alconox®
- Potable water rinse
- Methanol rinse
- Deionized water rinse
- Air dry

All decontamination procedures were performed in an area segregated from any sampling areas. Any rinsate from the decontamination area was contained and removed from the Site.

All samples were properly handled and placed into the appropriately labeled containers. The samples were placed in a cooler filled with ice and maintained at a maximum 4 degrees Celsius. All samples were transmitted under proper chain of custody procedures to a State-certified (ELAP) laboratory for confirmatory laboratory analyses. All holding times were met. The laboratory did not report any irregularities with respect to their internal Quality Assurance/Quality Control.

4.6 Analytical Results

4.6.1 Soil Quality

Table 2 provides the organic results for the compounds detected in the soil samples. **Table 2** also provides a comparison of the analytical results to the New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use Soil Cleanup Objectives (UUSCO) from 6 NYCRR Part 375, December 14, 2006. Concentrations reported in **Table 2** are in micrograms per kilogram ($\mu\text{g}/\text{kg}$). It should be noted that **Table 2** provides only those compounds detected at concentrations exceeding their respective method detection limits (MDLs).

As **Table 2** indicates, the total VOC concentrations range from 1.36 $\mu\text{g}/\text{kg}$ in SP-2 to 4.83 $\mu\text{g}/\text{kg}$ in SP-4. The total VOC concentrations in SP-1, SP-3 and SP-5 are 1.52 $\mu\text{g}/\text{kg}$, 1.59 $\mu\text{g}/\text{kg}$ and 1.68 $\mu\text{g}/\text{kg}$. It should be noted that the UUSCO does not provide a total VOC concentration standard.

None of the VOCs in SP-1 through SP-5 were detected at concentrations exceeding their respective UUSCOs.

Table 2 further indicates that the total SVOC concentrations range from 384 $\mu\text{g}/\text{kg}$ in SP-3 to 1,836 $\mu\text{g}/\text{kg}$ in SP-4. The total SVOC concentrations in SP-1, SP-2 and SP-5 are 474 $\mu\text{g}/\text{kg}$, 577 $\mu\text{g}/\text{kg}$ and 386 $\mu\text{g}/\text{kg}$. It should be noted that the UUSCO does not provide a total SVOC concentration standard.

None of the SVOCs in SP-1 through SP-5 were detected at concentrations exceeding their respective UUSCOs.

4.6.2 Groundwater Quality

Table 3 provides the organic compounds detected in groundwater sample at concentrations exceeding their laboratory method detection limits (MDLs). Concentrations reported in **Table 3** are in micrograms per Liter ($\mu\text{g}/\text{L}$). **Table 3** also provides a comparison of the results to each compound's Groundwater Quality Standard (GQS) from NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 entitled Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.

As **Table 3** indicates, the total VOC concentration in GP-1 is 96.53 $\mu\text{g}/\text{L}$. It should be noted that there is no GQS for total VOCs. The VOCs cis-1,2-Dichloroethene (38.4 $\mu\text{g}/\text{L}$), Trichloroethene (17.2 $\mu\text{g}/\text{L}$) and Tetrachloroethene (37.8 $\mu\text{g}/\text{L}$) were detected in the groundwater sample at concentrations exceeding their respective GQS. No other VOCs were detected in GP-1 at concentrations exceeding their respective GQS.

No SVOCs were detected in the groundwater sample at concentrations exceeding their respective MDLs.

4.7 Discussion of Results

No VOCs or SVOCs were detected in the soil beneath the vicinity of the inactive boiler and inactive AST in the basement, or in the western portion of the 1st floor (in the vicinity of the storage area, lockers and staircase), as evidenced by the analytical results from SP-1 through SP-5, respectively.

No SVOCs were detected in the groundwater sample at concentrations exceeding their respective laboratory MDLS, as evidenced by the analytical results of GP-1. VOCs, particularly chlorinated solvents, were detected in the groundwater sample at concentration exceeding their respective NYSDEC TOGS standards. However, it appears that the chlorinated solvents are most likely related to an off-site source since based upon the historical research of this investigation, the historical usage of the Site did not involve chlorinated solvents.

5.0 CONCLUSIONS

Hydro Tech has performed a Comprehensive Environmental Site Assessment at the property located at 810 River Avenue in Bronx, New York. Based upon the findings of the Assessment, the following conclusions are provided:

- The presence of suspect asbestos containing material.
- The suspect presence of two (2) 550-gallon underground storage tanks with unknown status.
- The Site is associated with a New York City E designation (E-225) for Hazardous Materials and Noise.
- The presence of an inactive aboveground storage tank (AST) in the basement of the building.
- The presence of chlorinated solvents in the groundwater at concentrations exceeding their respective NYSDEC regulatory standards.

6.0 RECOMMENDATIONS

Based upon the conclusions presented in Section 7.0, the following recommendations are provided:

- The presence of asbestos can only be confirmed through the collection and analysis of bulk samples. It is recommended that prior to the renovation or demolition of the building, an asbestos survey should be performed. If the presence of friable/non-friable asbestos is confirmed it should be abated properly.
- The USTs should be accessed to determine if they have been properly abandoned. Their status should then be updated with the New York State Department of Environmental Conservation (NYSDEC) Petroleum Bulk Storage (PBS) unit.
- The listing of the Site with an E-designation requires future site development to be performed under the oversight of the New York City Mayor's Office of Environmental Remediation (OER). Based upon our experience at similar sites we anticipate the OER will require further environmental investigations and remediation focused on the protection of public health which may include but is not limited to the installation of additional soil/groundwater probes, the development of a Remedial Action Plan (RAP) and Construction Health and Safety Plan (CHASP) to be implemented during construction, the supervision of construction activities, the performance of air monitoring for dust and vapors during construction, the installation of a vapor barrier and depressurization system, proper disposal of all soil removed from the site, the collection of endpoint samples and the installation of special glazed windows to meet specified indoor noise levels.

The building department will not issue construction permits until the OER approves the RAP & CHASP. Similarly, the Certificate of Occupancy will not be issued until the OER approved a Closure Report documenting the RAP/CHASP was properly implemented.

- Since the AST is no longer in use, it should be properly abandoned or removed and registered with the NYSDEC PBS as such.
- The presence of chlorinated solvents in the groundwater should be reported to the NYSDEC hazardous waste division. If the property is developed in the future, the OER will most likely require the installation of a vapor barrier and depressurization system to prevent the chlorinated solvents from impacting upon the air quality of the future development. The chlorinated solvents are most likely related to an off-site source since they do not appear to have a historical use on-site.

7.0 CREDENTIALS & DECLARATION

7.1 Credentials

In accordance with ASTM E 1527, the credentials of those personnel directly involved with the production of this Phase I are provided with this report. **Appendix H** provides a copy of the personnel credentials.

7.2 Environmental Professional Declaration

We declare that to the best of our professional knowledge and belief, we meet the definition of environmental professional as defined in 40 CFR Part 312. We have the specific qualifications based on education, training and experience to access a property of the nature, history and setting of the Site. Only where indicated we have developed and performed the AAIs in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

8.0 REFERENCES

1. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM E 1527-05, American Society for Testing and Materials, West Conshohocken, PA.
2. EDR Environmental Data Resources, 810 River Avenue, Bronx, NY, March 10, 2011. The EDR – Radius Map, Milford, Connecticut.
3. EDR Environmental Data Resources, 810 River Avenue, Bronx, NY, March 14, 2011. The EDR – Sanborn Fire Insurance Maps, Milford, Connecticut.
4. EDR Environmental Data Resources, 810 River Avenue, Bronx, NY, March 10, 2011. The EDR – City Directory Abstract, Milford, Connecticut.

9.0 EXCLUSIONS & DISCLAIMER

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 the Client.

In preparing this report, **Hydro Tech Environmental, Corp.** may have 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 **Hydro Tech Environmental, Corp.** at the time of the subject property assessment. Although there may have been some degree of overlap in the information provided by these various sources, **Hydro Tech Environmental, Corp.** did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this subject property assessment.

Observations were made of the subject property and of structures on the subject property as indicated within the report. Where access to portions of the subject property or to structures on the subject property was unavailable or limited, **Hydro Tech Environmental, Corp.** renders no opinion as to the presence of non-hazardous or hazardous materials, or to the presence of indirect evidence relating to a non hazardous or hazardous materials, in that portion of the subject property or structure. In addition, **Hydro Tech Environmental, Corp.** renders no opinion as to the presence of hazardous materials, or the presence of indirect evidence relating to hazardous materials, where direct observation of the interior walls, floors, or ceiling of a structure on a subject property was obstructed by objects or coverings on or over these surfaces.

Hydro Tech Environmental, Corp. did not perform testing or analyses to determine the presence or concentration of asbestos at the subject property or in the environment of the subject property under the scope of the services performed.

The conclusions and recommendations contained in this report are based in part, where noted, upon the data obtained from a limited number of soil samples obtained from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until further exploration. If variations or other latent conditions then appear evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

Any water level reading made in test pits, borings, and/or observation wells were made at the times and under the conditions stated in the report. However, it must be noted that fluctuations in the level of groundwater may occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.

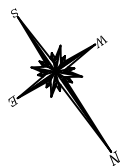
Except as noted within the text of the report, no qualitative laboratory testing was performed as part of the subject property assessment. Where such analyses have been conducted by an outside laboratory, **Hydro Tech Environmental, Corp.** has relied upon the data provided, and has not conducted an independent evaluation of the reliability of the data.

The conclusions and recommendations contained in this report are based in part, where noted, upon various types of chemical data and are contingent upon their validity. The data have been reviewed and interpretations were made in the report. As indicated within the report, some of the data may be preliminary "screening" level data, and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, the data should be reviewed, and the conclusions and recommendations presented herein modified accordingly. Chemical analyses have been performed for specific constituents during the course of this subject property assessment, as described in the text. However, it should be noted that additional chemical constituents not searched for during the current study may be present in soil and/or groundwater at the subject property.

Any GPR survey described above was performed in accordance with good commercial and customary practice and generally accepted protocols within the consulting industry. **Hydro Tech Environmental, Corp.** does not accept responsibility for survey limitations due to inherent technological limitations or site specific conditions, however, made appropriate effort to identify and notify the client of such limitations and conditions. In particular, please note that the survey described above does not represent a full utility clearance survey, and does not relieve any party of applicable legal obligations to notify a utility one-call service prior to excavating or drilling.

FIGURES

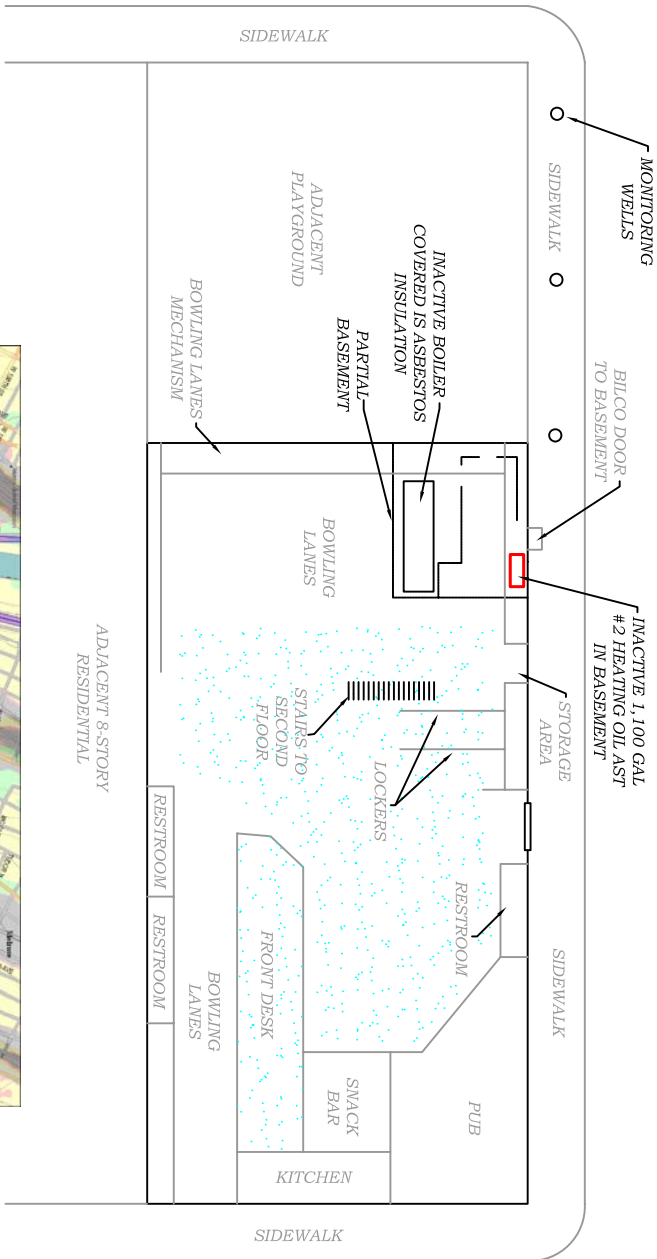
ADJACENT VACANT LOT
(FORMER YANKEE STADIUM)



RIVER AVENUE

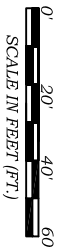
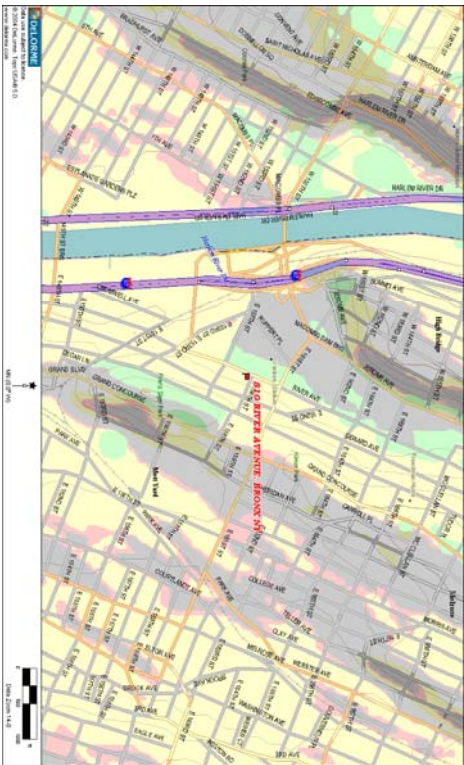
ADJACENT 2-STORY
COMMERCIAL

EAST 157th STREET



EAST 158th STREET

ADJACENT 2-STORY
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Drawn By:

CQ

TITLE:

Reviewed By:

MR

Approved By:

MS

Date: 03/22/11

Scale:

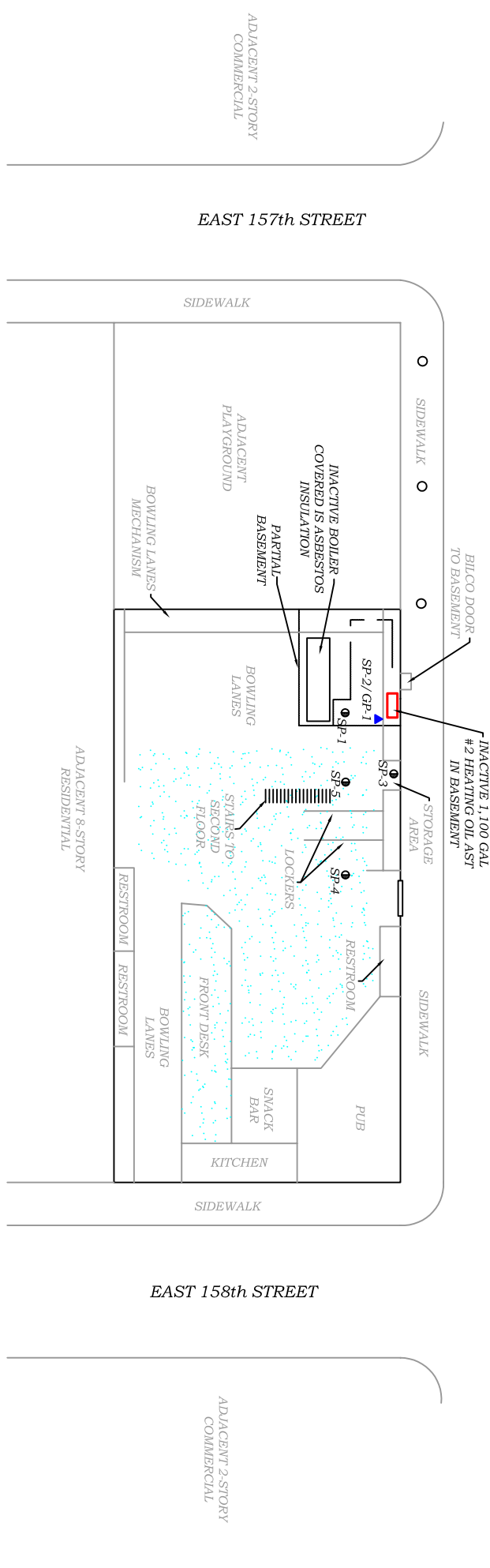
AS NOTED

FIGURE 1: SITE PLAN



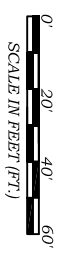
ADJACENT VACANT LOT
(FORMER YANKEE STADIUM)

RIVER AVENUE



LEGEND:

- SOIL PROBE LOCATION (SP)
- ▲ SOIL PROBE CONVERTED TO GROUNDWATER PROBE (SP/ GP)
- AST ABOVEGROUND STORAGE TANK
- MONITORING WELL LOCATION IN ADJACENT PROPERTY
- 🌿 AREA COVERED IN ASBESTOS FLOOR TILE





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Approved By:	M S
Date:	03/22/11
Scale:	AS NOTED

TITLE:

FIGURE 2: SAMPLING PLAN

TABLES

Table 1
Field Characterization Results of Soil Probes
810 River Avenue Bronx, NY

Soil Probe	Sampling Depths (ft)	PID Reading (ppm)	Soil Characterization
SP-1	0-2'	0.0	concrete/brown, med grained sandy loam with pebble sized clasts
	2'-4'	0.0	brown, med grained sandy loam with pebble sized clasts
SP-2	0-2'	0.0	concrete/brown, med grained sandy loam with pebble sized clasts
	2'-4'	0.0	brown, med grained sandy loam with pebble sized clasts
SP-3	0-2'	0.0	concrete/brown, med grained sandy loam with pebble sized clasts
	2'-4'	0.0	brown, med grained sandy loam with pebble sized clasts
	4'-6'	0.0	light brown, med grained sandy loam with pebble sized clasts
	6'-8'	0.0	brown, med grained sandy loam with pebble sized clasts
	8'-10'	0.0	brown, med grained sandy loam with pebble sized clasts
	10'-12'	0.0	brown, med grained sandy loam with pebble sized clasts
SP-4	0-2'	0.0	concrete/brown, med grained sandy loam with pebble sized clasts
	2'-4'	0.0	brown, med grained sandy loam with pebble sized clasts
	4'-6'	0.0	light brown, med grained sandy loam with pebble sized clasts
	6'-8'	0.0	brown, med grained sandy loam with pebble sized clasts
	8'-10'	0.0	brown, med grained sandy loam with pebble sized clasts
	10'-12'	0.0	brown, med grained sandy loam with pebble sized clasts
SP-5	0-2'	0.0	concrete/brown, med grained sandy loam with pebble sized clasts
	2'-4'	0.0	brown, med grained sandy loam with pebble sized clasts
	4'-6'	0.0	light brown, med grained sandy loam with pebble sized clasts
	6'-8'	0.0	brown, med grained sandy loam with pebble sized clasts
	8'-10'	0.0	brown, med grained sandy loam with pebble sized clasts
	10'-12'	0.0	brown, med grained sandy loam with pebble sized clasts

Table 1
Soil Samples Organic Analytical Results
810 River Ave, Bronx, NY

Sample Identification	SP-1	SP-2	SP-3	SP-4	SP-5
Sample Depth	2'-4'	2'-4'	6'-8'	8'-10'	10'-12'
Sample Date	3/14/2011	3/14/2011	3/14/2011	3/14/2011	3/14/2011
Sample Matrix	Soil	Soil	Soil	Soil	Soil
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Volatile Organic Compounds (µg/kg)					
Tetrachloroethene	ND	ND	ND	3.08	ND
1,2,4-Trimethylbenzene	1.52	1.36	1.59	ND	1.68
1,2,4 - Trimethylbenzene	ND	ND	ND	1.75	ND
Total VOC	1.52	1.36	1.59	4.83	1.68
Semi-Volatile Organic Compounds (µg/kg)					
Fluoranthene	ND	ND	ND	355	ND
Benzo (a) Anthracene	ND	ND	ND	221	ND
Chrysene	ND	ND	ND	260	ND
bis (2-Ethyl Hexyl) Phthalate	474	577	384	521	386
Benzo (a) Pyrene	ND	ND	ND	279	ND
Benzo (g,h,i) Perylene	ND	ND	ND	200	ND
Total SVOC	474	577	384	1,836	386

NS...No Standard

ND...Not Detected

Shaded values represent concentration exceeding the SCO

This Table Lists Only Compounds Detected At Concentrations Exceeding Their Respective Method Detection Limit.

Table 2
Water Samples Organic Analytical Results
810 River Ave, Bronx, NY

Sample Identification	GP-1	NYSDEC TOGS 1.1.1 Groundwater Quality Standard
Sample Date	3/14/2011	
Sample Matrix	Water	
Units	ug/L	
Volatile Organic Compounds		
cis-1,2-Dichloroethene	38.4	5
Chloroform	3.13	7
Trichloroethene	17.2	5
Tetrachloroethene	37.8	5
Total VOC	96.53	NS
Semivolatile Organic Compounds		
ND		

NS...No Standard

ug/L...micrograms per Liter

ND...not detected

Shaded values represent concentration exceeding the GQS

This Table Lists Only Compounds Detected At Concentrations Exceeding Their Respective Method Detection Limit.

APPENDIX A
PHOTOGRAPHS

PHOTOGRAPHS

Site



Inactive Boiler in Basement



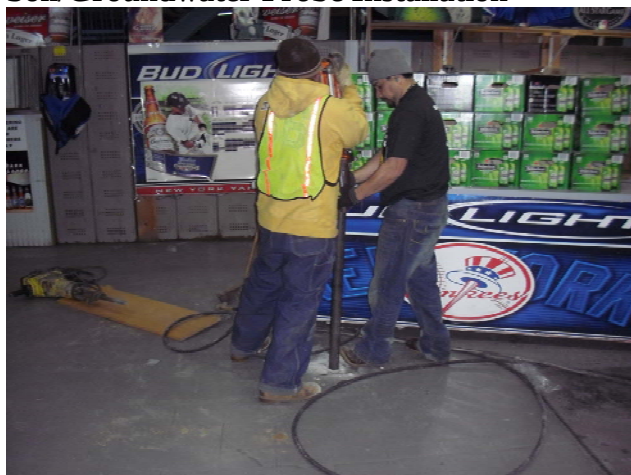
Inactive AST in Basement



Bowling Lanes on 1st Floor



Soil/Groundwater Probe Installation



APPENDIX B
REGULATORY AGENCY DOCUMENTS

S Cross

From: r2foil [r2foil@gw.dec.state.ny.us]
Sent: Friday, March 11, 2011 9:01 AM
To: S Cross
Subject: R2-11-450- Cross-Acknowledgment&website Search Advise.

March 11, 2011

FOIL:

R2-11-450

Shana Cross/Hydro Tech Env., Corp.
718-636-0800 631-462-5866
F 631-462-5877
scross@hydrotechenvironmental.com

Re: 810 River Ave in the Bronx

Dear Ms. Cross:

We are in receipt of your Foil request for the above referenced site. The identification Number(s) assigned is: R2-11-450.

If for any reason you need to contact us again please use these numbers. When the programs are done gathering the files/information, this office will contact you.

Please email your future FOILs to Region 2 directly to the following email address: r2foil@gw.dec.state.ny.us

Please expect our response within 20 business days from the date of this letter.

If you have any questions @ your FOIL, please call Gloria Silva/ or Cynthia Whiting/FOIL Secretary at 718-484507, or email me providing the above FOIL # at: r2foil@gw.dec.state.ny.us

Sincerely

yours,

Fawzy I.

Abdelsadek, Ph.D., P.E.

Regional Enforcement Coordinator

Please be advised that in your future submission of FOILs to Region 2, you should include the Spill(s), or PBS(s) number(s) to expedite your request. This will give you more information @ all records that we may have related to your FOIL(s). So that you will submit FOILs, for those that the additional information/records are needed.

NYSDEC public websites that are listed below:

Please be advised that relevant information responsive to your request may be found at the following Department of Environmental Conservation/Remediation's websites:

The Spills Database link is as follows:

<http://www.dec.ny.gov/cfm/external/derexternal/index.cfm?pageid=1>

HWR/Environmental Remediation Website:

<http://www.dec.ny.gov/cfm/external/derexternal/index.cfm?pageid=3>

The PBS Database link is as follows:

<http://www.dec.ny.gov/cfm/external/derexternal/index.cfm?pageid=4>

Also, you can search for Permits issued by NYSDEC by using the Link:

<http://www.dec.ny.gov/cfm/external/envapps/>

If you need assistance on how to search the above websites, please contact me.

Please email your future FOILs to Region 2 directly to the following email address:
r2foil@gw.dec.state.ny.us

If after your search, additional information/records are needed, please include the spill #(s), or PBS #(s), Permit #(s) and exact street address of the site(s) you are requesting information for, and email your request(s) to Region 2. Please note that Region 2 policy is to submit a FOIL request for a maximum of two (2) sites/FOIL. If you didn't provide the results (i.e. spills/PBS #(s)) of your websites search within 10 days, your FOIL will be closed

You may resubmit your FOIL again providing the above requested information.

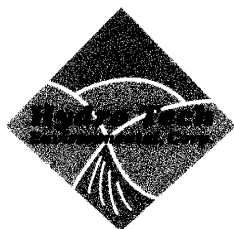
Thank you for your FOIL request. If you have any questions, please call Gloria Silva/FOIL Secretary at (718) 482-4507, or email me providing the above FOIL # at: r2foil@gw.dec.state.ny.us.

Sincerely yours,

Fawzy I. Abdelsadek, Ph.D., P.E.
Regional Enforcement Coordinator

Fawzy I. Abdelsadek, Ph.D., P.E.
Regional Enforcement Coordinator & FOIL Coordinator New York State Department of
Environmental Conservation Region 2 47-40 21St Street Long Island City, NY 11101
Tel:(718) 482-4507
Fax:(718) 482-6729
r2foil@gw.dec.state.ny.us

Fawzy I. Abdelsadek, Ph.D., P.E.
Regional Enforcement Coordinator & FOIL Coordinator
New York State Department of Environmental Conservation
Region 2
47-40 21St Street
Long Island City, NY 11101
Tel:(718) 482-4992
Fax:(718) 482-6729
r2foil@gw.dec.state.ny.us



Hydro Tech Environmental, Corp.

Main Office
2171 Jericho Turnpike, Suite 345
Commack, New York 11725
T (631) 462-5866 • F (631) 462-5877

NYC Office
15 Ocean Avenue, 2nd Floor
Brooklyn, New York 11225
T (718) 636-0800 • F (718) 636-0900

www.hydrotechenvironmental.com

March 10, 2011

Ms. Rena Bryant
NYC Department of Health
125 Worth Street – Room- 601 – Box 31
New York, NY 10013

RE: Freedom of Information Act Request

Dear Ms. Bryant:

Hydro Tech Environmental, Corp. is conducting a Phase I Environmental Site Assessment Research at the following location:

Address: 810 River Ave
Bronx, NY 10451
County: Bronx
Tax Block 2483
Map: Lot 5

Please consider this a Freedom of Information Act request, for any information that you may have pertaining to the release of petroleum products and/or hazardous materials, or any other environmental concerns for this location.

Your assistance is appreciated. Please feel free to contact me at (718) 636-0800 with any questions.

Very Truly Yours

Hydro Tech Environmental, Corp.

Shana
cc Hydro Tech File #110048



FIRE DEPARTMENT – CITY OF NEW YORK
Public Records Unit / Tanks Section
9 MetroTech Center
Brooklyn, New York 11201-3857
(718) 999-2441 or 2442



**Fuel Tank Special Report
Request Form**

SECTION A

CUSTOMER INFORMATION

Please print the required information below.

Name: Shanna Cross
Address: 15 Ocean Ave, 2nd FL
City: New York State: NY Zip Code: 11205
Telephone Number: 631-462-5886

OFFICE USE ONLY

Cashier / Search No. _____

PRU Staff
Accepted By/Initials: _____

Searched By: _____

Total Amount: _____

Note: Please make sure you complete this form and attach all required documents. Enclose a check or money order made payable to the **NYC Fire Department** and a stamped self-addressed envelope (with postage). Mail checks or money orders directly to the address and unit listed above. **DO NOT MAIL CASH.**

SECTION B

FUEL TANK REPORT - FEE \$10.00 / PER REPORT

House Number: 810 Street Name: River Ave Borough: Brooklyn

- ☒ THE TOTAL AMOUNT AND SIZE OF EXISTING FUEL OIL / HEATING TANKS
☒ THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED FUEL OIL / HEATING TANKS
☒ THE TOTAL AMOUNT AND SIZE OF EXISTING BURIED MOTOR VEHICLE TANKS
☒ THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED BURIED MOTOR VEHICLE TANKS
☐ MOST RECENT TANK / PIPING TEST RESULTS
☐ HISTORY OF BURIED TANKS LEAKS

Note: Requests will be responded to within 10 business days.

PR3 (July-08)



**NEW YORK CITY DEPARTMENT OF
HEALTH AND MENTAL HYGIENE**
Thomas Farley, MD, MPH
Commissioner

Office of the Secretary to the Department
125 Worth Street, Room 601, CH 31
New York, NY 10013
(212) 788-5242 tel
(212) 788-4315 fax

3/15/2011

Hydro Tech Environmental, Corp.
2171 Jericho Turnpike, Suite 345
Commack, NY 11725

Attention: *Shana*

Re: *810 River Avenue, Bx/Environmental Records*
Control #: *2011FR00531*

This is to acknowledge receipt of your Freedom of Information Law request. Your request has been assigned the above control number and has been forwarded to the bureau or office identified below for processing.

There is a fee of 25¢ per page for copies of Department records. You will be advised by the bureau indicated below, of the fee involved and upon receipt of the fee; the copies will be forwarded to you. All agencies of government are exempt from the fee.

You should receive a response from the indicated bureau within twenty business days.

Bureau / Office

☐ Lead Poisoning Prevention
Ben DelPercio
(212) 676-6123

☐ Bureau of Complaints
Roslyn Mondesir
(917) 438-9773

☐ Administrative Tribunal
Roxanne Kewley
(212) 788-5084

☒ Environmental Health Services
Natisha Smith or Shirley Wiley
(212) 788-4705/4706

☐ Contract Services
Christine Scott
(212) 219-5896

☐ Other:

All inquiries regarding the status of your request should be referred to the above bureau or office.

Sincerely,

Records Access Officer

810 River Ave, Bronx, NY 10451**A3 Overview**

Location		Square Feet	
Primary address	810 River Ave	Building SF	40,000
Zip	10451	Retail SF	40,000
Borough	Bronx	Lot SF	20,000
Block & lot	02483-0005	Ratio of Building SF to Lot SF (FAR)	
First 3 alt addresses	810 River Ave	FAR as built	Subscribe Now!
Neighborhood		Max allowed FAR	Subscribe Now!
School district	7 map/schools	SF under FAR	Subscribe Now!
Community board	4	SF over FAR	Subscribe Now!
Neighborhood	Highbridge, Concourse	Usable floor area	Subscribe Now!
City council	17 map	Maximum usable floor area	Subscribe Now!
Census tract	0059.01	Building	
Nearest		Bldg dimensions	200 ft x 100 ft
Police precinct	44 web site/crime stats	Stories	2
Police station	850 Washington Ave	Res units	n/a
Distance to	0.82 Miles	Commercial units	3
Fire station	330 E 150 St	Has extension	No
Distance to	0.68 Miles	Has garage	No
Property Tax Assessment		Year built	1927
Actual land	\$156,600	Year last altered	n/a
Assessment	\$1,246,500	Lot	
Tax class	4	Lot dimensions	200 ft x 100 ft
Annual tax bill	\$71,848	Corner lot	SE
Annual tax bill projected	\$84,422	Buildings on lot	1
Property Maps		Zoning, Use & C-of-O	
Zoning map	6a	C-of-O	Click here
Tax map	20907	Zoning district	Subscribe Now!
Sanborn map	210S004	2nd zoning district	Subscribe Now!
Link to zoning map	Click here	Building class	Two Story or Store and Office (K2)
Link to tax map	Click here	E-Designation	E-225
Most Recent Sale		Historic district	None
Sale date	3/20/1992	Hazards & Environment	
Sale price	\$0	Toxic site on this property	Yes
		Neighboring toxic sites	1
		Current Owner	
		Name	Strohmayer Real Estcp
		Address	26 Primrose Ave W
		City state zip	White Plains NY 10607-1713

A7 Sale & Property History**Property History**

Event	Amount	Date
Deed Transfer recorded	n/a	3/20/1992

B1 Ownership Summary**Subscribe and Get More!**

Only PropertyShark can help you get behind the LLC's, find out who really controls the property, and find their real address and phone number. Subscribe today and get ownership records from building permits, title documents, and HPD registrations.

See more about **810 River Ave's** ownership.

The Department of State - Division of Corporations - allows you to search for LLC owners.

C2 Title Documents**Subscribers to our Property Reports service can link directly to title documents in ACRIS!**

To link to ACRIS documents you will need to do the following **once per session**:

Click on the "See it" link for one of the documents below. This **will open a new window** and take you to an ACRIS info page on the NYC DoF website.

On the ACRIS info page, find the link titled "Begin using ACRIS" and click it. This **will open another new window**. Minimize this window but do not close it. This keeps an ACRIS session running on your computer.

In the original PropertyShark.com window, you can now click on any of the "See it" links for any NYC property and be taken directly to the corresponding ACRIS document.

Records go back to about 1966. See the different types of NYC title documents!

Recorded	Document Date	Type	Amount	Party1 name	Party2 name
7/17/2006	7/13/2006	Maps	\$0	Nyc Dept. Of City Planning	
3/20/1992	2/22/1992	Deed	\$0	Harris, Jean Selikowitz, Frances Strohmayer, Alexander Strohmayer, Charles	Strohmayer Real Estcp
1/20/1966		Sundry Agreement	\$0	Excelsior Savings Bank	

D1 Valuation Model

Our database has 2 properties that meet the following criteria:

Sold within the last 6 months

In the 10451 zip code

Property class K

Comparables Tool

Pick your own criteria

See detail on every sale

[Click here!](#)

Sale price over \$25,000

Expecting more results? Occasionally the actual use and recorded building use are different. If you think you should be looking at a different building class, try our Comparables Tool and search for more!

D2 Property Income and Expenses

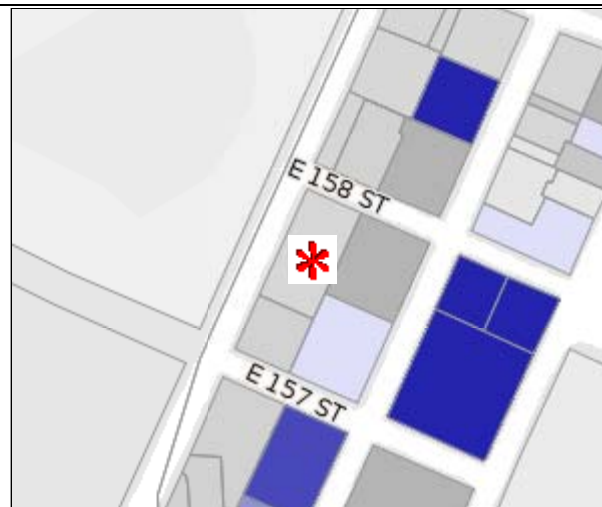
Owners of income-producing properties that have an actual assessed value of more than \$40,000 are required to file annual Real Property Income and Expense (RPIE) statements with the Department of Finance(DOF). The DOF uses the information from these statements, or data from comparables, to estimate the market value of a property for tax purposes.

Type No Income&Expense data was filed

Property		Building	
Lot SF	20000	Retail SF	40000
Height	28	Commercial SF	40000
		Total SF	40000

PropertyShark obtains its records from the DOF and updates them bi-annually.

D3 Sales & Values Maps



Click on the map to expand!

* Recent Sale Date: n/a

The map shows sales of neighboring properties. Find out how recent the property has been sold. For Condos and Coops the value is not reflective.

Legend

- first half of 2011
- second half of 2010
- first half of 2010
- second half of 2009
- first half of 2009
- all 2008
- 2006 - 2007
- < 2006

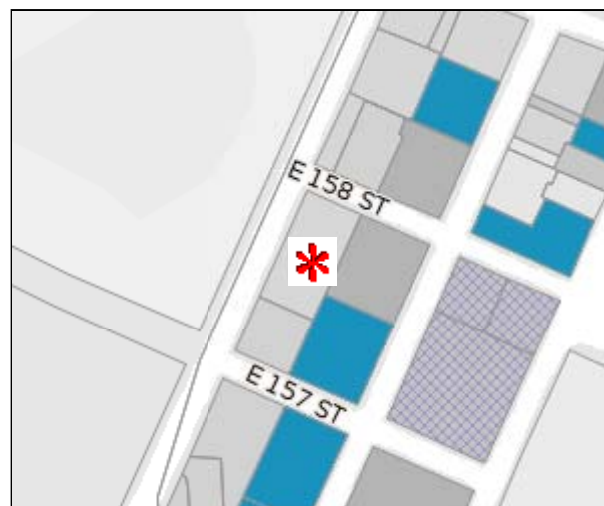
Sale Date

Time Since Last Recorded Sale

n/a

On this color-coded map, view the price paid per square foot for the last sale of the property. For Condos and Coops the value is not reflective.

Legend



Sale Price \$0
Lot Square Foot 20,000 SqFt
Price per SqFt \$0

Click on the map to expand!

* Price per SqFt: \$0

E1 Property Tax

	09/10 Final	10/11 Tentative
	The property tax assessment process starts when the city's assessors determine the <i>market value</i> of your property. Despite the name, this value has little to do with what someone would actually pay for your property. In some neighborhoods the <i>market values</i> are close to actual property values. In others they can be as little as 5% of true values. Even within neighborhoods there can be wide variations.	
Market Value	\$2,770,000	\$2,620,000
	Property tax is only levied on a portion of the <i>market value</i>. This portion is called the <i>assessed value</i>. For 1-3 family homes and 1-3 story condos, taxes are levied on 6% of the <i>market value</i>. For all other properties, taxes are levied on 45% of the value. Sometimes the city will exempt part of the assessed value from taxation for a certain number of years. Usually these exemptions are granted as an incentive to make improvements to an existing structure or to build on a vacant lot. Larger incentives are granted in development zones. For rental property the incentives are usually tied to rent stabilization.	
Market Value	\$2,770,000	\$2,620,000
Assessment Ratio	x 0.45	x 0.45
City's Assessed Value	= \$1,246,500	= \$1,179,000
Exemptions Granted by the City	- \$0	- \$0
City's Net Assessed Value	= \$1,246,500	= \$1,179,000
	While the city's assessors have noted the rapid appreciation of property in New York City, the state understands that it would be burdensome for	


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NYC Department of Buildings
Property Profile Overview

810 RIVER AVENUE

RIVER AVENUE

810 - 810

BRONX 10451

Health Area : 3800

Census Tract : 59.01

Community Board : 204

Buildings on Lot : 1

BIN# 2002976

Tax Block : 2483

Tax Lot : 5

Condo : NO

Vacant : NO

[View DCP Addresses...](#)[Browse Block](#)[View Zoning Documents](#)[View Challenge Results](#)[View Certificates of Occupancy](#)

Cross Street(s):

EAST 157 STREET, EAST 158 STREET

DOB Special Place Name:

DOB Building Remarks:

Landmark Status:

Local Law: YES

SRO Restricted: NO

UB Restricted: NO

Little 'E' Restricted: HAZMAT/NOISE

Legal Adult Use: NO

Additional BINs for Building: NONE

Special Status: N/A

Loft Law: NO

TA Restricted: NO

Grandfathered Sign: NO

City Owned: NO

Special District:

NONE

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Area. [Click here for more information](#)

Department of Finance Building Classification:

K2-STORE BUILDING

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open	Elevator Records
Complaints	1	0	Electrical Applications
Violations-DOB	1	1	Permits In-Process / Issued
Violations-ECB (DOB)	0	0	Illuminated Signs Annual Permits
Jobs/Filings	5		Plumbing Inspections
ARA / LAA Jobs	0		Open Plumbing Jobs / Work Types
Total Jobs	5		Facades
Actions	22		Marquee Annual Permits
OR Enter Action Type:			Boiler Records
OR Select from List:			DEP Boiler Information
Select...			After Hours Variance Permits
AND Show Actions			

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.


[CLICK HERE TO SIGN UP FOR BUILDINGS NEWS](#)

NYC Department of Buildings

Job Overview

Premises: 810 RIVER AVENUE BRONX

BIN: [2002976](#) Block:

To start overview at new date, select Month:

Day:

Year:

Show All BIS Job Types

Show All Filings

APPLY

FILE DATE	JOB #	DOC #	JOB TYPE	JOB STATUS	STATUS DATE	LIC #	APPLICANT	IN AUDIT
08/21/1990	200075881	01	A2	Q PERMIT-PARTIAL	10/31/1990	0496036 PE	CAPOBIAN	,
INSTALLATION OF A NEW EXTINGUISHING SYS- TEM FOR THE KITCHEN HOOD. NO Work on Floor(s): 1								
09/09/2005	200992337	01	A2	Q PERMIT-PARTIAL	11/16/2005	0013529 RA	KATZ	,
INSTALL FIRE SUPPRESSION SYSTEM ONLY.NO CHANGE IN USE, EGRESS, OR Work on Floor(s): 001								
10/31/2007	210021251	01	A2	R PERMIT-ENTIRE	11/29/2007	0071729 PE	UGBEBOR	,
INSTALL OUTDOOR SIGN STRUCTURE. NOT WITHIN 200`_OF ARTERIAL HIGHWAY. NO Work on Floor(s): OSP								
02/11/2010	220048259	01	SG	J P/E DISAPPROVED	03/18/2010	0014883 RA	BENIC	,
TO INSTALL A WALL BUSINESS ACCESSORY SIGN; WORDING: BALL PARK LANES Work on Floor(s): 001 thru 002								
02/11/2010	220048419	01	SG	J P/E DISAPPROVED	03/18/2010	0014883 RA	BENIC	,
TO INSTALL A WALL BUSINESS ACCESSORY SIGN; WORDING:BALL PARK LANES Work on Floor(s): 1ST 001 thru 002								

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.



 [CLICK HERE TO SIGN UP FOR BUILDINGS NEWS](#)

NYC Department of Buildings

DOB Violations

Premises: 810 RIVER AVENUE BRONX

BIN: [2002976](#) Block:

NUMBER

TYPE

FILE DATE

V 012288PA3C1(E)

DOB VIOLATION - ACTIVE

00/00/1988

Select Violation Type:

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

[✉ CLICK HERE TO SIGN UP FOR BUILDINGS NEWS](#)

NYC Department of Buildings

Actions

Premises: 810 RIVER AVENUE BRONX

BIN: [2002976](#) Block:

NUMBER		TYPE	FILE DAT
ALT 188-57		ALTERATION	00/00/195
ALT 588-59		ALTERATION	00/00/195
ALT 34-76		ALTERATION	00/00/197
BN 1077-70		BUILDING NOTICE	00/00/197
BN 111-81		BUILDING NOTICE	00/00/198
BN 782-85		BUILDING NOTICE	12/13/198
CO 23489-58	(PDF)	CERTIFICATE OF OCCUPANCY	00/00/195
CO 28462-60(T)	(PDF)	CERTIFICATE OF OCCUPANCY	00/00/196
CO 29173-60(T)	(PDF)	CERTIFICATE OF OCCUPANCY	00/00/196
CO 29572-60	(PDF)	CERTIFICATE OF OCCUPANCY	00/00/196

[Next](#)Enter Action Type: Or Select from List: [Select...](#)

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

[CLICK HERE TO SIGN UP FOR BUILDINGS NEWS](#)

NYC Department of Buildings

Actions

Premises: 810 RIVER AVENUE BRONX

BIN: [2002976](#) Block:

NUMBER	TYPE	FILE DATE
ES 102-60	ELECTRIC SIGN	00/00/1960
PA 11-60	PUBLIC ASSEMBLY	00/00/1960
PA 12-60	PUBLIC ASSEMBLY	00/00/1960
PRS 86-58	PLUMBING REPAIR SLIP	00/00/1958
PRS 283-70	PLUMBING REPAIR SLIP	00/00/1970
SR 400-59FD	SPECIAL REPORT	00/00/1959
SR 747-59LM	SPECIAL REPORT	00/00/1959
SR 741-60LCS	SPECIAL REPORT	00/00/1960
SR 32-74LCS	SPECIAL REPORT	00/00/1974
SR 61-75LCS	SPECIAL REPORT	00/00/1975

[Previous](#)[Next](#)Enter Action Type: Or Select from List: [Select...](#)

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

[✉ CLICK HERE TO SIGN UP FOR BUILDINGS NEWS](#)

NYC Department of Buildings

Actions

Premises: 810 RIVER AVENUE BRONX

BIN: [2002976](#) Block:

NUMBER

TYPE

FILE DATE

SR 158-76LCS

SPECIAL REPORT

00/00/1976

SR 98-78LCS

SPECIAL REPORT

00/00/1978

V 012288PA3C1(E)

DOB VIOLATION - ACTIVE

00/00/1988

[Previous](#)Enter Action Type: Or Select from List: [Select...](#)

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

DEPARTMENT OF BUILDINGS

BOROUGH OF BRONX, THE CITY OF NEW YORK

No. 23489

Date MAR 10 1958

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 C-26-181.0 to C-26-187.0 inclusive Administrative Code 2.1.3.1. to 2.1.3.7. Building Code.)

This certificate supersedes C. O. No. N.B. 2476/27

To the owner or owners of the building or premises:

THIS CERTIFIES that the ~~altered~~ ~~existing~~ building—premises located at
810 River Avenue, S/E/C of East 158th St.

Block 2483 Lot 5

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.

XXXXXX No. 188-52

Construction classification— Fireproof

Occupancy classification— Commercial

Height

2

stories,

25 feet

Date of completion— January 28, 1958

Located in

Unrestricted

Use District

B Area : Class 14 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	On Ground				Boiler Room
First	On Ground & 120				Warehouse
Second	120				Warehouse
NOTE: Fire Dept. approval of fuel oil installation and standpipe system received.					

LONG 9
 MAR 10 1958

Borough Superintendent

**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.

DEPARTMENT OF BUILDINGS

BOROUGH OF

BRONX

THE CITY OF NEW YORK

No. 29572

Date

JUN 28 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 C-26-181.0 to C-26-187.0 Inclusive Administrative Code 21.3.1 to 21.3.7 Building Code.)

This certificate supersedes C. O. No.

29173/60

To the owner or owners of the building or premises:

THIS CERTIFIES that the new—altered—existing—building—premises located at

xxx xxxxx

10 River Ave. S.E. Corner 158th Street

Block 2483 Lot

conforms substantially to the approved plans and specifications, and 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 646 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.—

Construction classification—

xxxxx 588-59

Height

stories,

Fireproof

Date of completion—

Commercial

Located in

2

25'

Use District.

Area

6-24-60

Height Zone at time of issuance of permit

Unrestricted

Class 1
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	On Earth				No occupancy
First	On Earth & 120	100	100	200	Bowling Alley, Toilet & Locker Rooms, Lunch Counter, Game Room & Cocktail Lounge
Second	120	100	100	200	Bowling Alley

ONING O.K.

JUN 28 1960

Borough Superintendent

CERTIFICATE WILL BE NULL AND VOID IF ALTERED IN ANY MANNER OR ADDITIONS ARE MADE THEREON.

(Page 1)

**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 of 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 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 an 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 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.

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION

Application for Records, Article 8 - New York State Public Officers Law, Freedom of Information Law

Complete Part I of this form. Please refer to instruction sheet for assistance in completing this form. If responsive records are located, you will be notified and informed of the required payment. Advance payment is required in check or money order payable to the City of New York before documents will be released. Either send the complete application to the Records Access Officer at NYC DEP, Bureau of Legal Affairs, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373, or fax to (718) 595-6543. DO NOT FAX AND MAIL.

PART I. APPLICATION - Check type of record(s) requested:

☐ Bid/Procurement (ACCO)	☐ Notices of Violation and decisions (ECB)	☐ Sewer main/line repair/construction (BWSO)	☐ Water bill accounts/metering (BCS)
☒ Asbestos (BEC)	☐ Environmental Review/SEQRA (OEPA)	☐ Water Quality (BWS/WQ)	☐ Personnel records (HRM)
☒ Hazardous materials emergency response (BEC)	☒ Industrial Pretreatment/ sewer discharge violations (BWT)	☐ Watershed/ reservoir operations (BWS)	☒ Wastewater Treatment Plant operations (BWT)
☐ Right To Know (BEC)	☐ Water main/line repair/construction (BWSO)	☐ Watershed area incident reports (DEP PD)	
☒ Air permits/complaints/inspections (BEC)			
☒ Noise complaints/inspections (BEC)			

I hereby apply to ☐ inspect or ☒ receive copies of the following records (use additional sheets as needed and attach):

Location: 710 River Ave, Bronx, NY

Time frame/date of records: _____

Name: Shana Cross

Phone: 212-462-5366

E-Mail: scross@ntecorp.info

Firm: Hydro Tech Environmental Corp.

Address: 3171 Jerome Turnpike, 3rd City Connect

State NY Zip Code 11722

Signature: [Signature]

Date: 3-10-11

PART II. DISPOSITION OF REQUEST (TO BE COMPLETED BY THE DEPARTMENT)

☐ APPROVED ☐ APPROVED IN PART -- To arrange for access to the records, please contact:

(Department Representative)

Number of Pages: _____

(Bureau)

x\$.25 per page = Cost: _____

(Phone No.) _____

☐ DENIED DENIED IN PART -- for reason(s) checked: References are to Sec. 87 of the Public Officers Law.

☐ Exempt: State/Fed. Statute (2(a))

☐ Invasion of personal privacy (2(b))

☐ Competitive position injury (2(d))

☐ Exempt: Law Enforcement (2(e))

☐ Inter/intra-agency material (2(g))

☐ (Other) _____

Brief Description of records not subject to disclosure: _____

A denial, in whole or in part, may be appealed within 30 days by writing to the NYCDEP FOIL Appeals Officer, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373

☐ UNAVAILABLE -- for reason(s) checked:

Not described in sufficient detail

After search, no records responsive to request located

(Other) _____

Not maintained by this Department

LOG NO.: 67093

(Department Representative)

(Bureau)

(Date)

☐ Fee Waived

☐ Check/M.O. received

☐ Check/M.O. requested

DOC# 060801



Date: 3/24/11

Re: Freedom of Information Law Request (FOIL) # 67093

Caswell F. Holloway
Commissioner

Vincent Sapienza, P.E.
Deputy Commissioner
Bureau of Wastewater
Treatment

96-05 Horace Harding Expwy
Corona, NY 11368

Tel. (718) 595-4906
Fax (718) 595-6950
vsapienza@dep.nyc.gov

Dear Sir or Madam:

I am writing in response to your FOIL request (see attached). This response specifically addresses only those aspects of your request related to the discharge of wastewater or other materials to a New York City public sewer. As this letter only pertains to records in the custody of the Division of Pollution Control and Monitoring, if your request was also directed to other divisions within the Bureau of Wastewater Treatment or to other bureaus within the Department of Environmental Protection, then you will receive a separate response from those divisions or bureaus.

Concerning your request, the **Division of Pollution Control and Monitoring**:

- ☐ cannot identify the requested location because _____
- ☒ after search, has not identified any records responsive to your request.
- ☐ has identified records responsive to your request. Please telephone me at (718) 595-4756 to arrange for an appointment to review the information.
- ☐ other _____

Sincerely,

Vitaly Weiler
FOIL Liaison
Division of Pollution Control and Monitoring

APPENDIX C
FIRE INSURANCE MAPS

810 River Avenue, Bronx, New York

810 River Ave

Bronx, NY 10451

Inquiry Number: 3010859.3

March 14, 2011

Certified Sanborn® Map Report

Certified Sanborn® Map Report

3/14/11

Site Name:

810 River Avenue, Bronx, New
810 River Ave
Bronx, NY 10451

Client Name:

Hydro Tech Env. Corp.
2171 Jericho Turnpike
Commack, NY 11725

EDR Inquiry # 3010859.3

Contact: Shana Cross



The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Hydro Tech Env. Corp. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: 810 River Avenue, Bronx, New York
Address: 810 River Ave
City, State, Zip: Bronx, NY 10451
Cross Street:
P.O. # 4530
Project: 110048
Certification # 1E1E-4912-A191



Sanborn® Library search results
Certification # 1E1E-4912-A191

Maps Provided:

2007	2001	1991	1978
2006	1998	1989	1977
2005	1996	1984	1970
2004	1995	1981	1969
2003	1993	1980	1951
2002	1992	1979	1891

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, 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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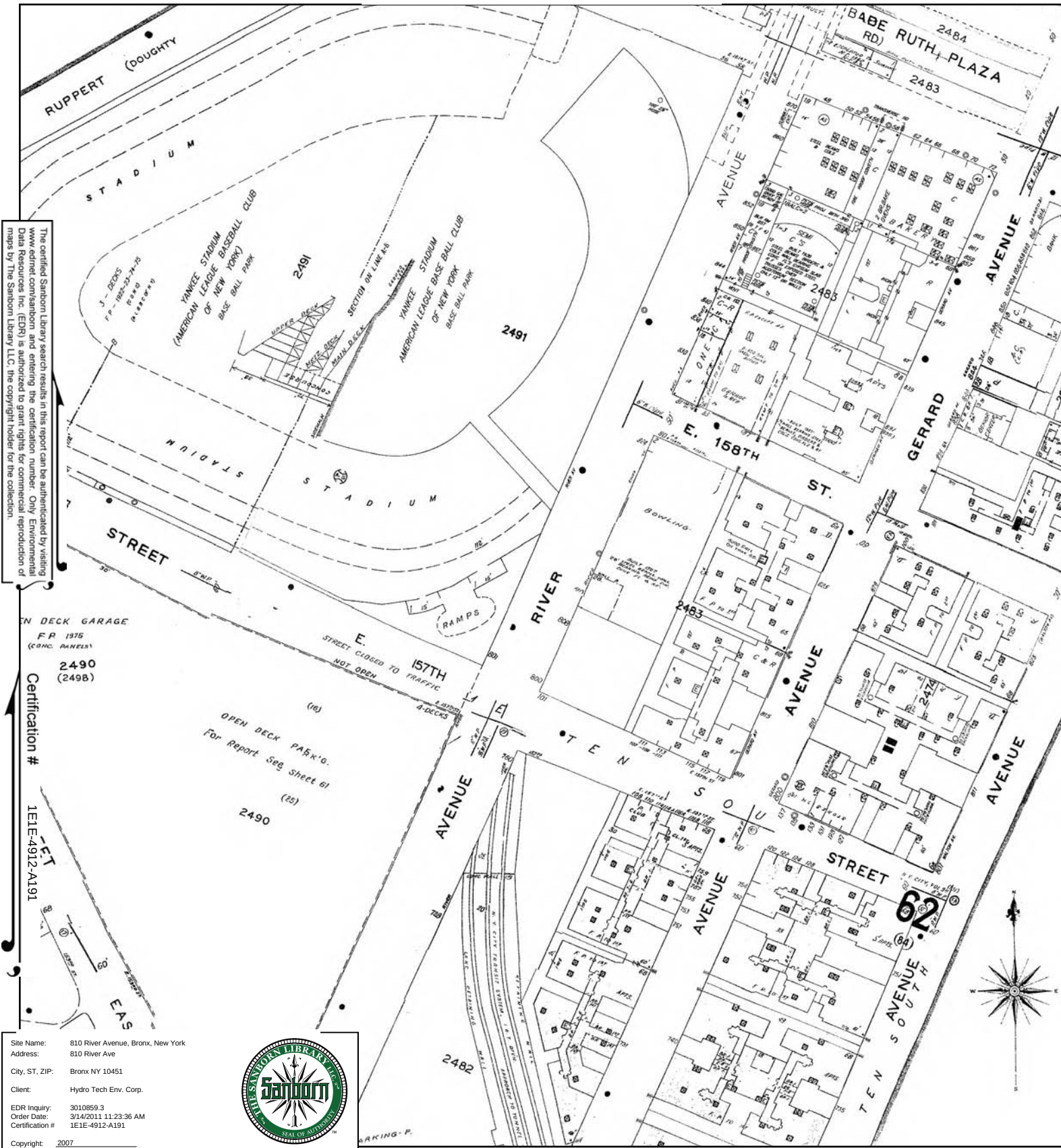
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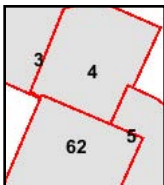
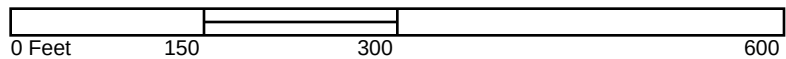
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2007 Certified Sanborn Map



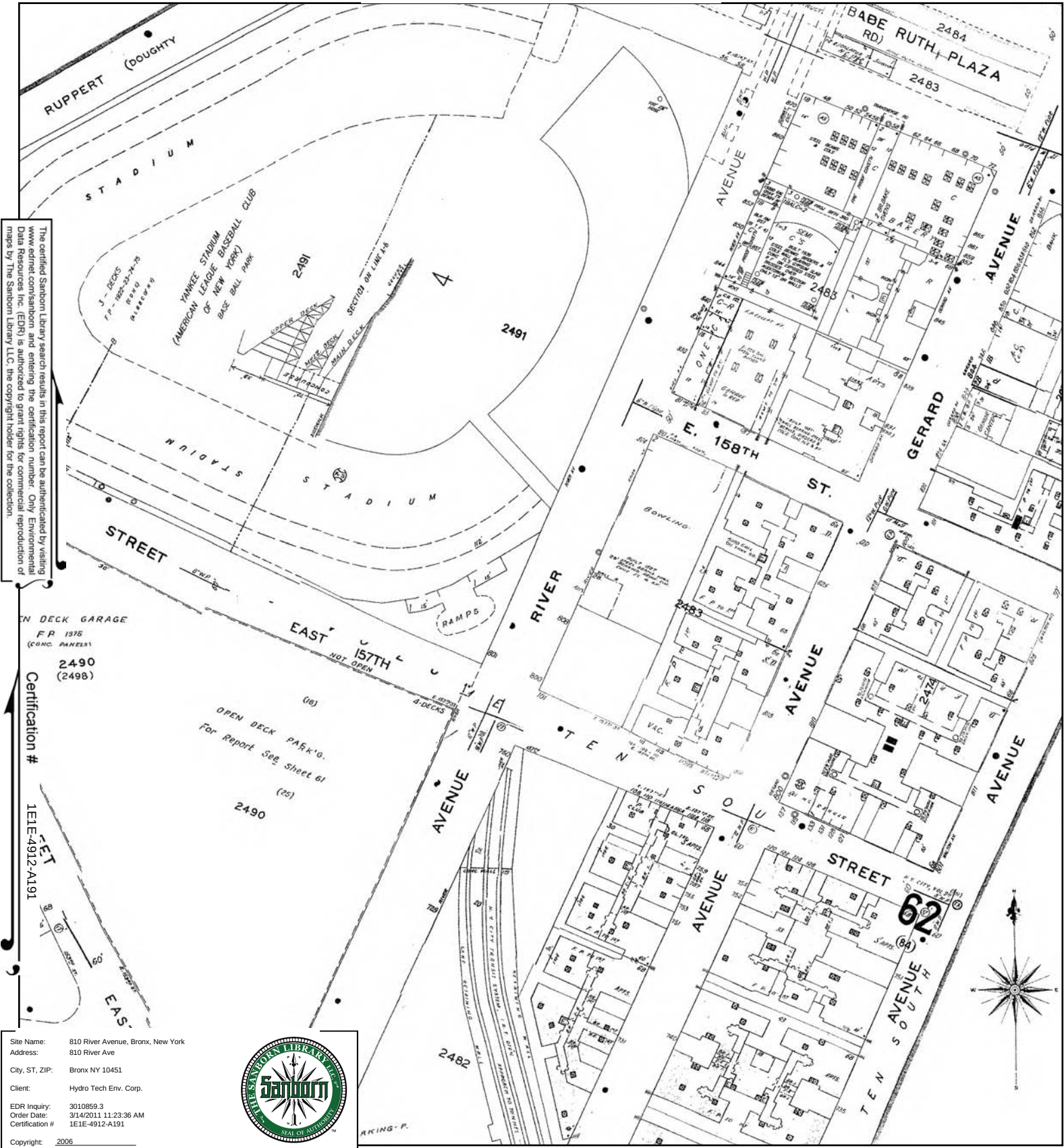
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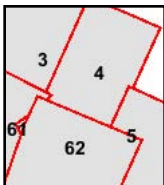
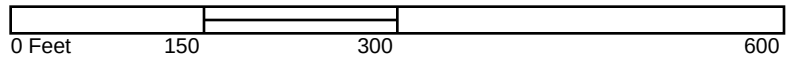
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Volume 9N, Sheet 62



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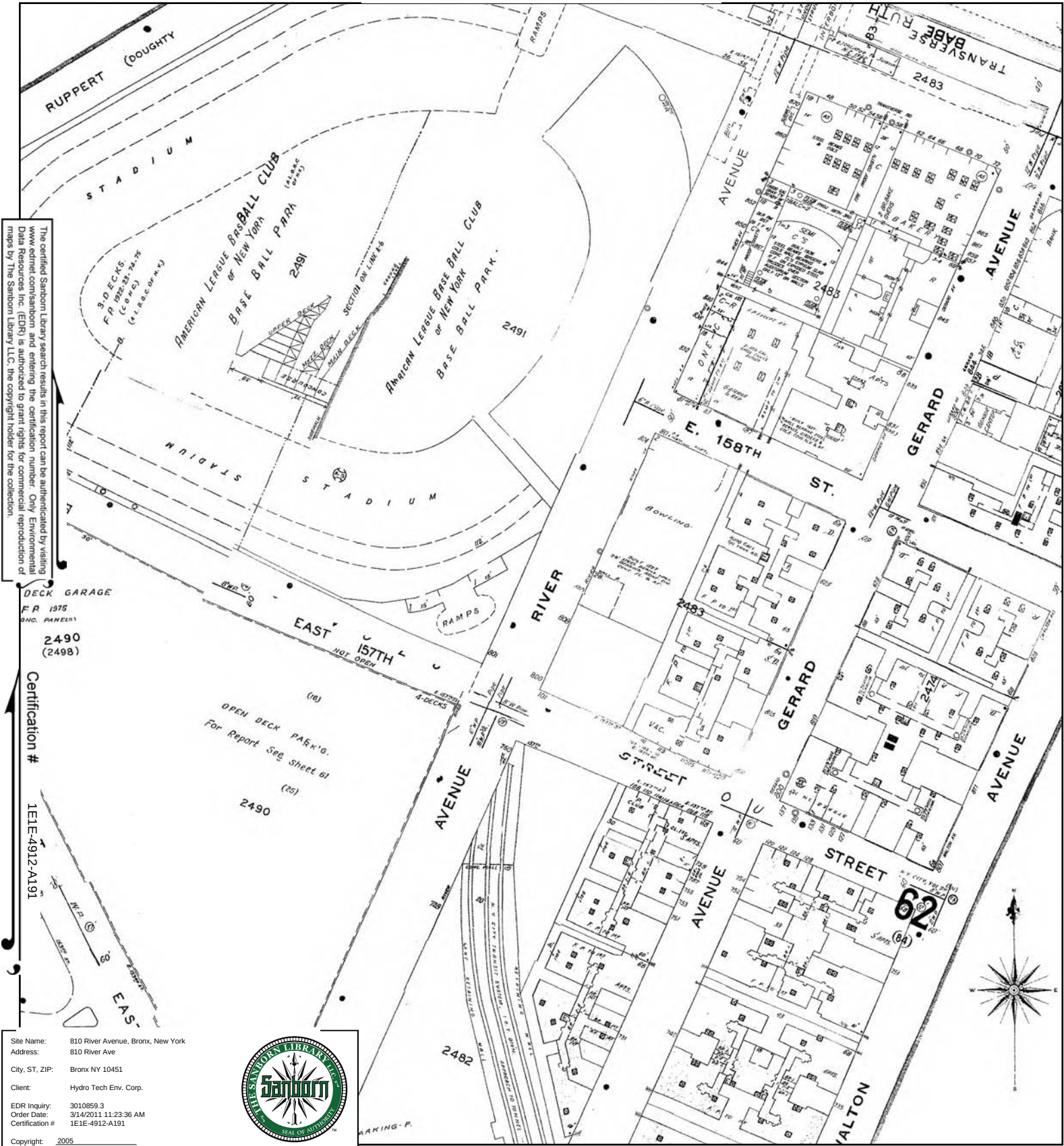
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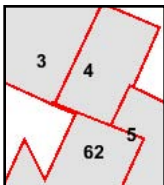
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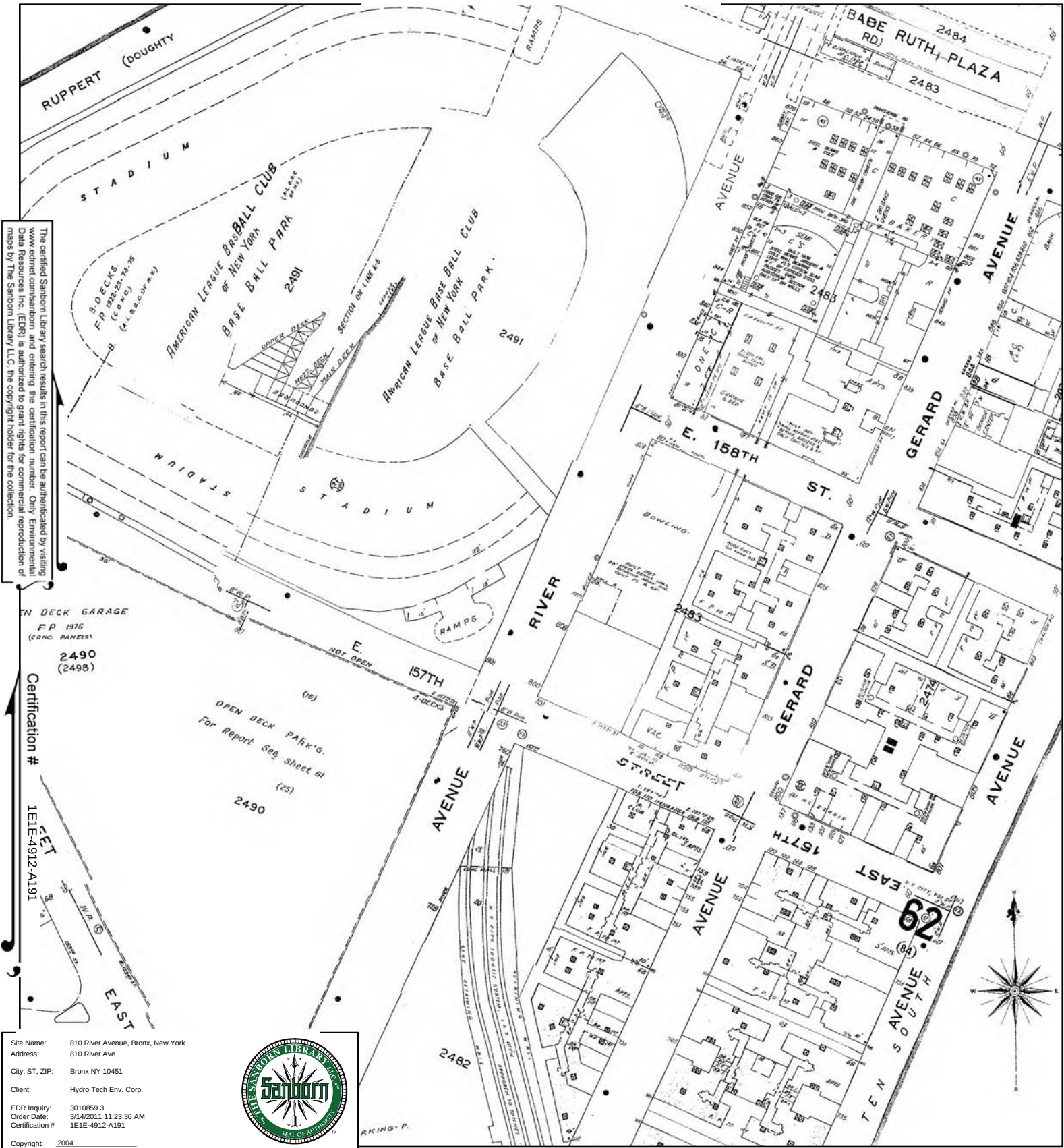


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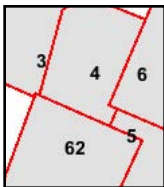
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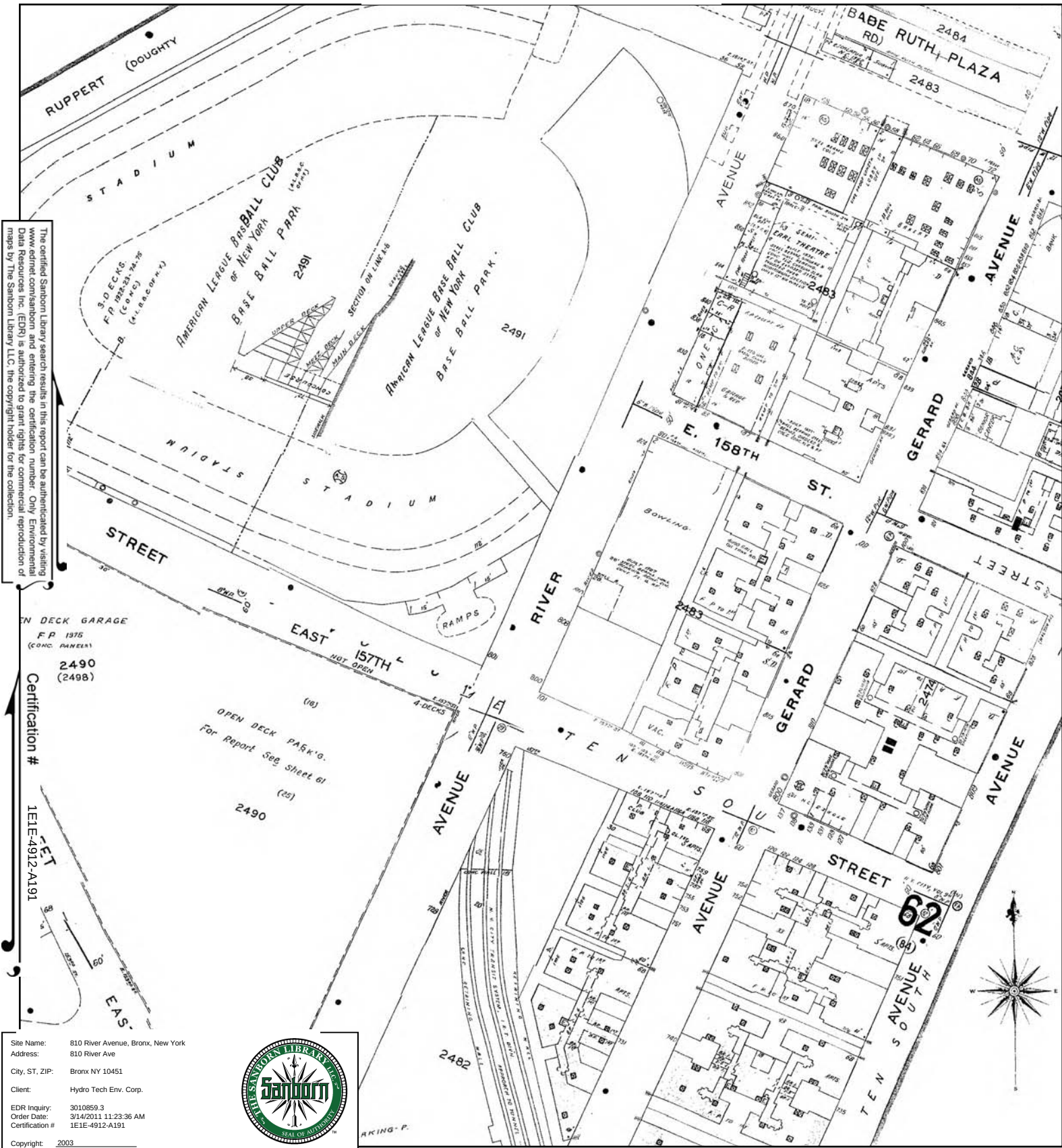


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FP 1975
(COND. PANES)

Certification # 1E1E-4912-A191

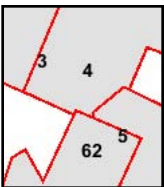
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Address: 810 River Ave
City, ST, ZIP: Bronx NY 10451
Client: Hydro Tech Env. Corp.
EDR Inquiry: 3010859.3
Order Date: 3/14/2011 11:23:36 AM
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Copyright: 2003



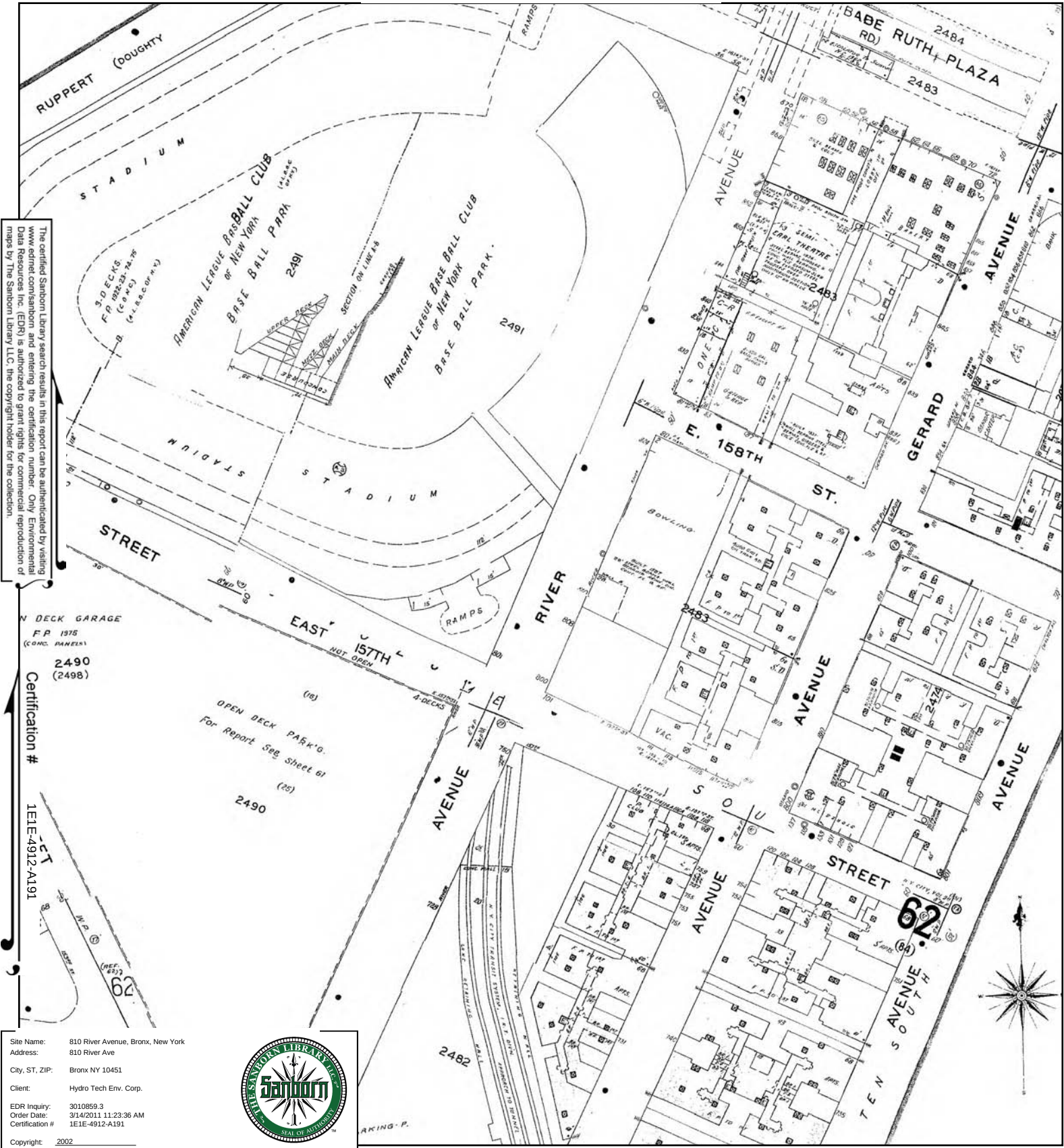
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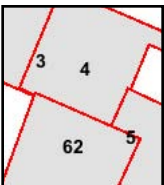
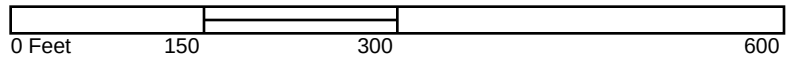


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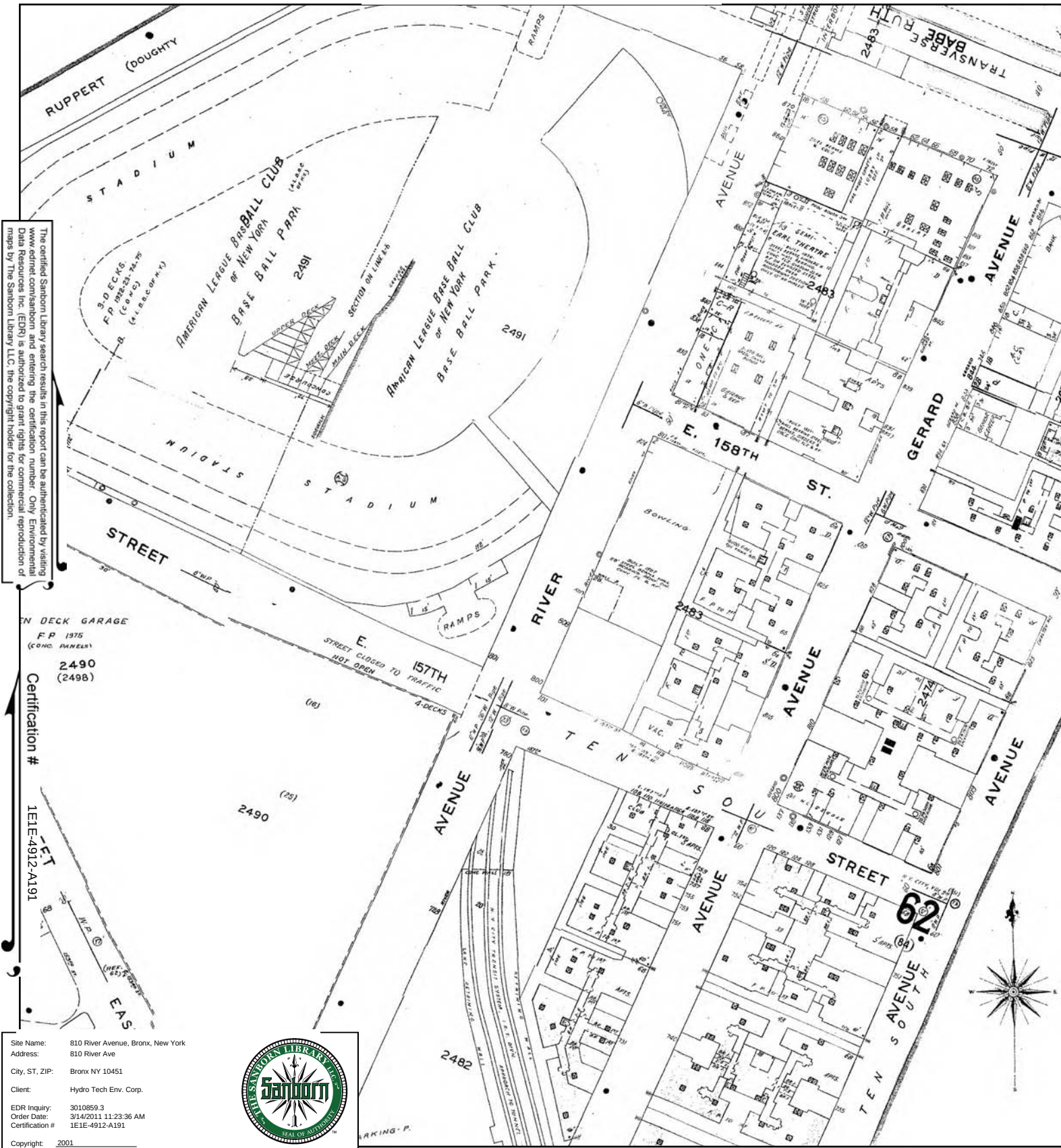


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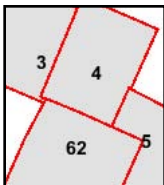
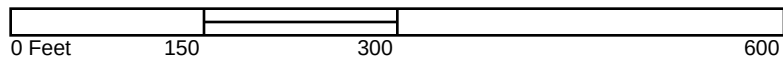


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2001 Certified Sanborn Map



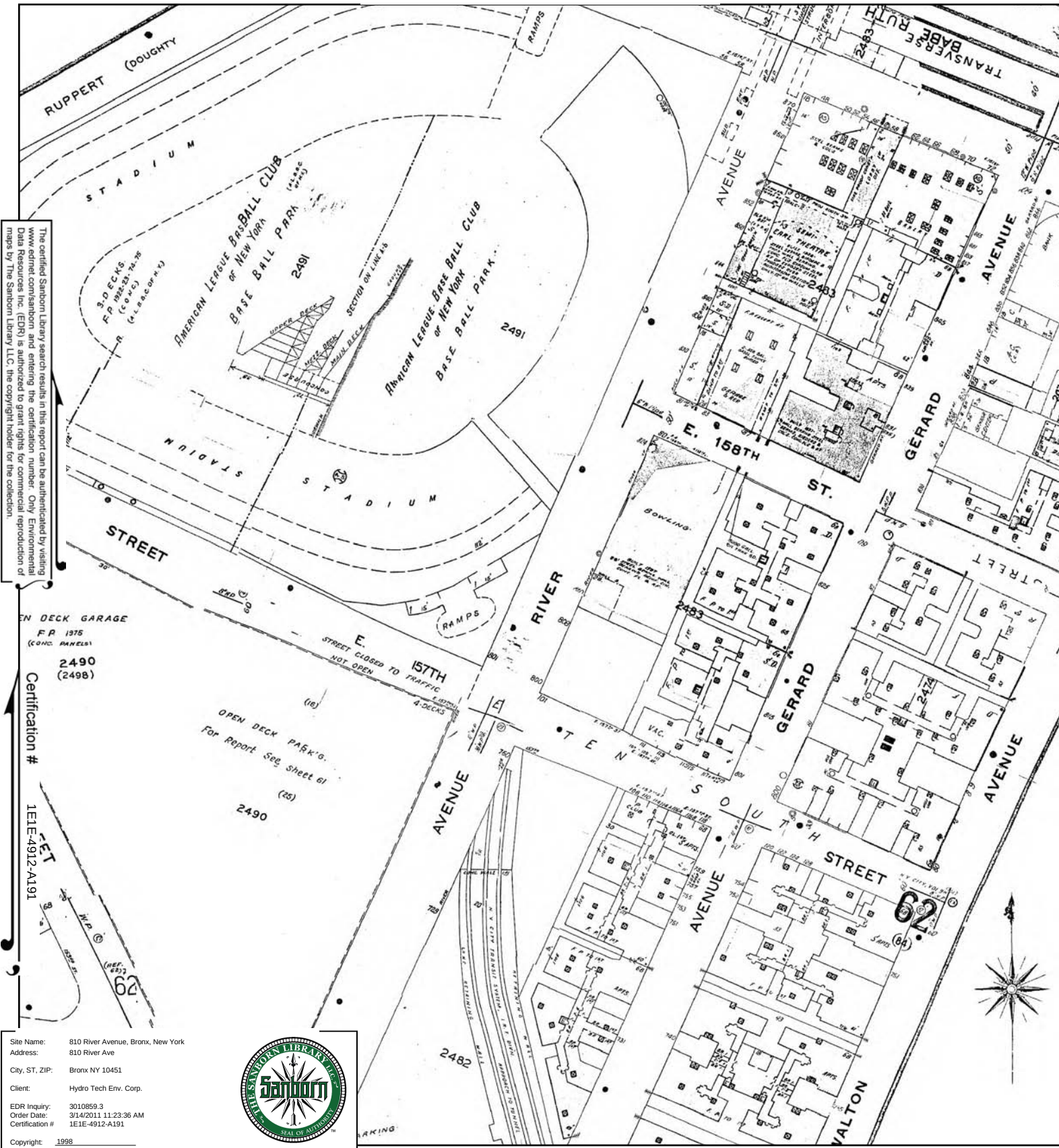
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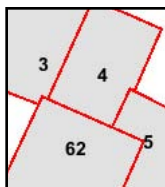
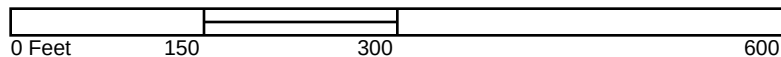
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1998 Certified Sanborn Map

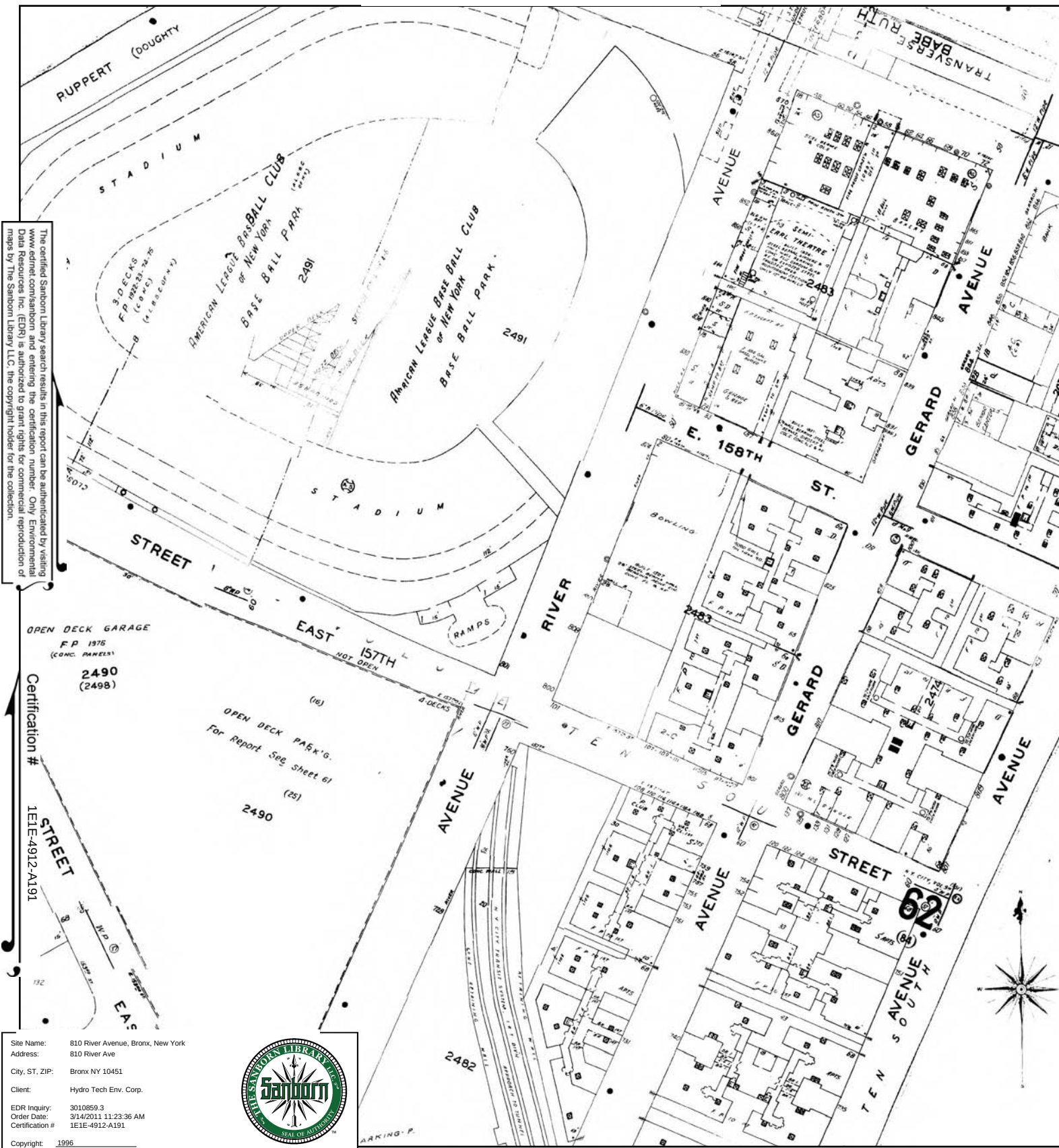


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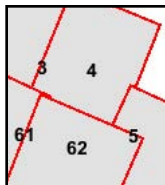
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1996 Certified Sanborn Map



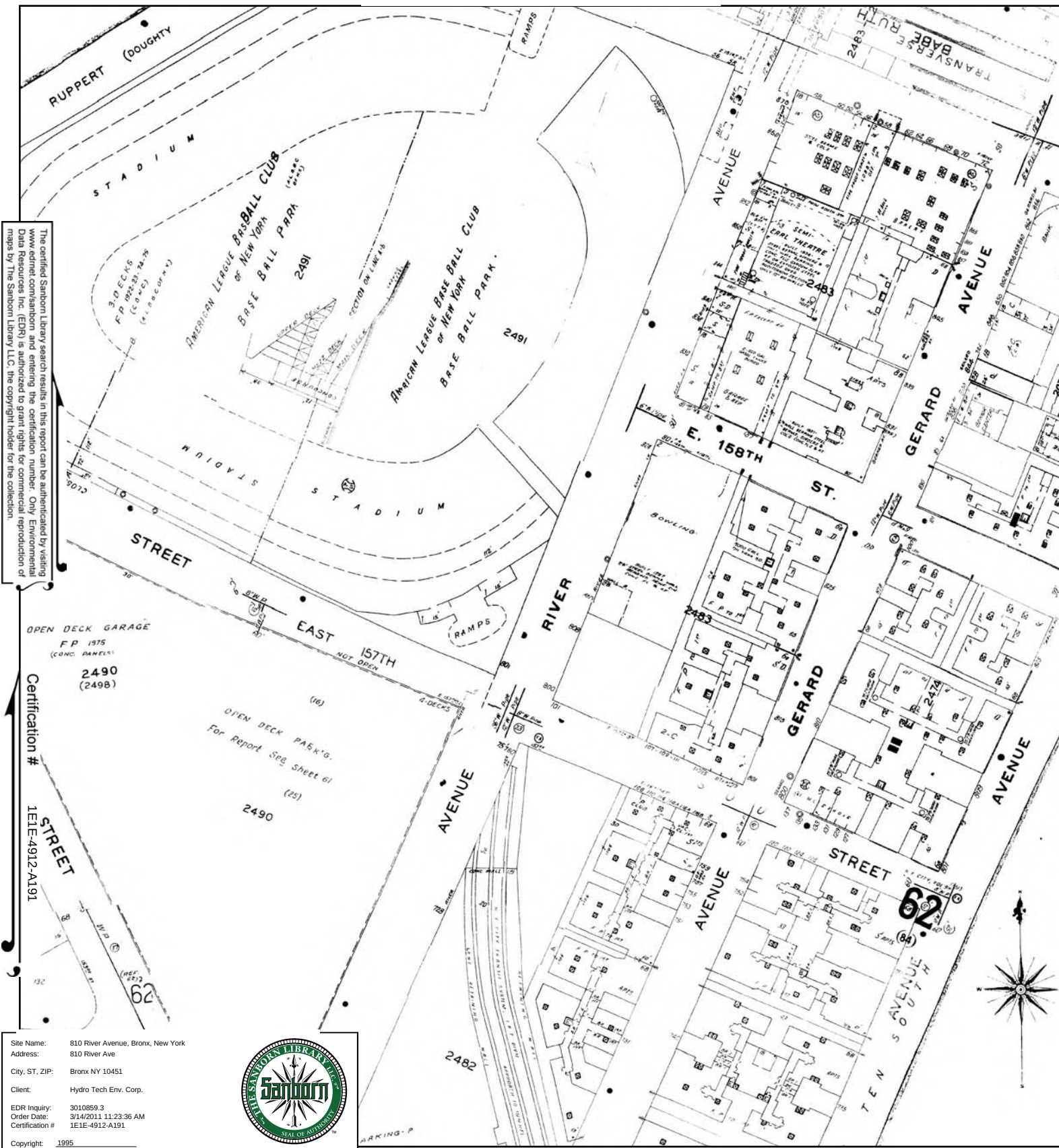
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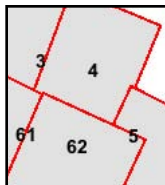
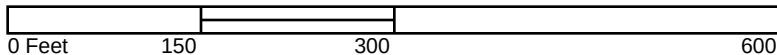


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 Volume 9N, Sheet 61
 Volume 9N, Sheet 62

1995 Certified Sanborn Map

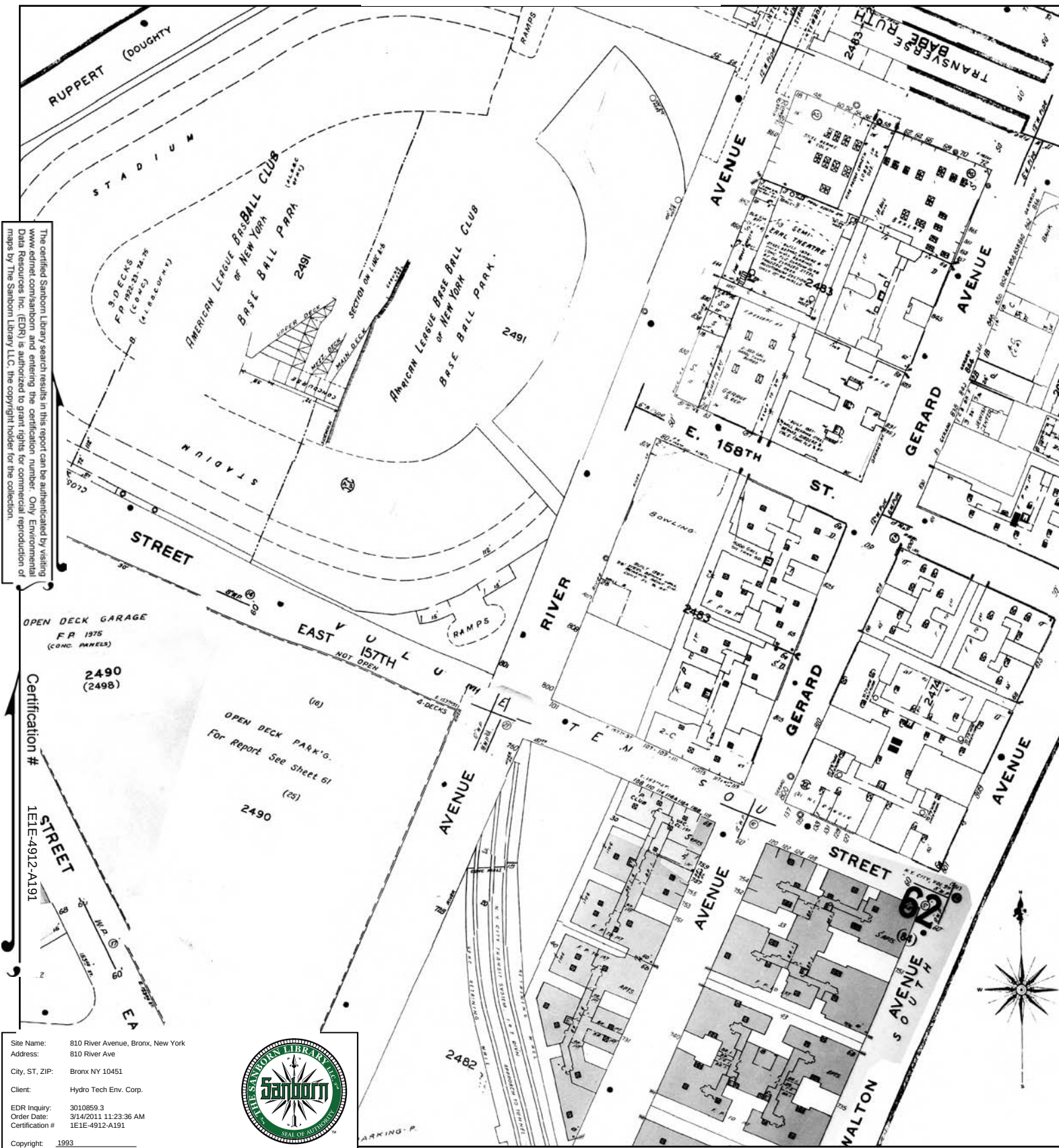


This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



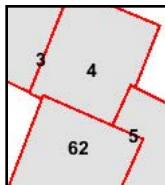
Volume 10S, Sheet 3
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1993 Certified Sanborn Map



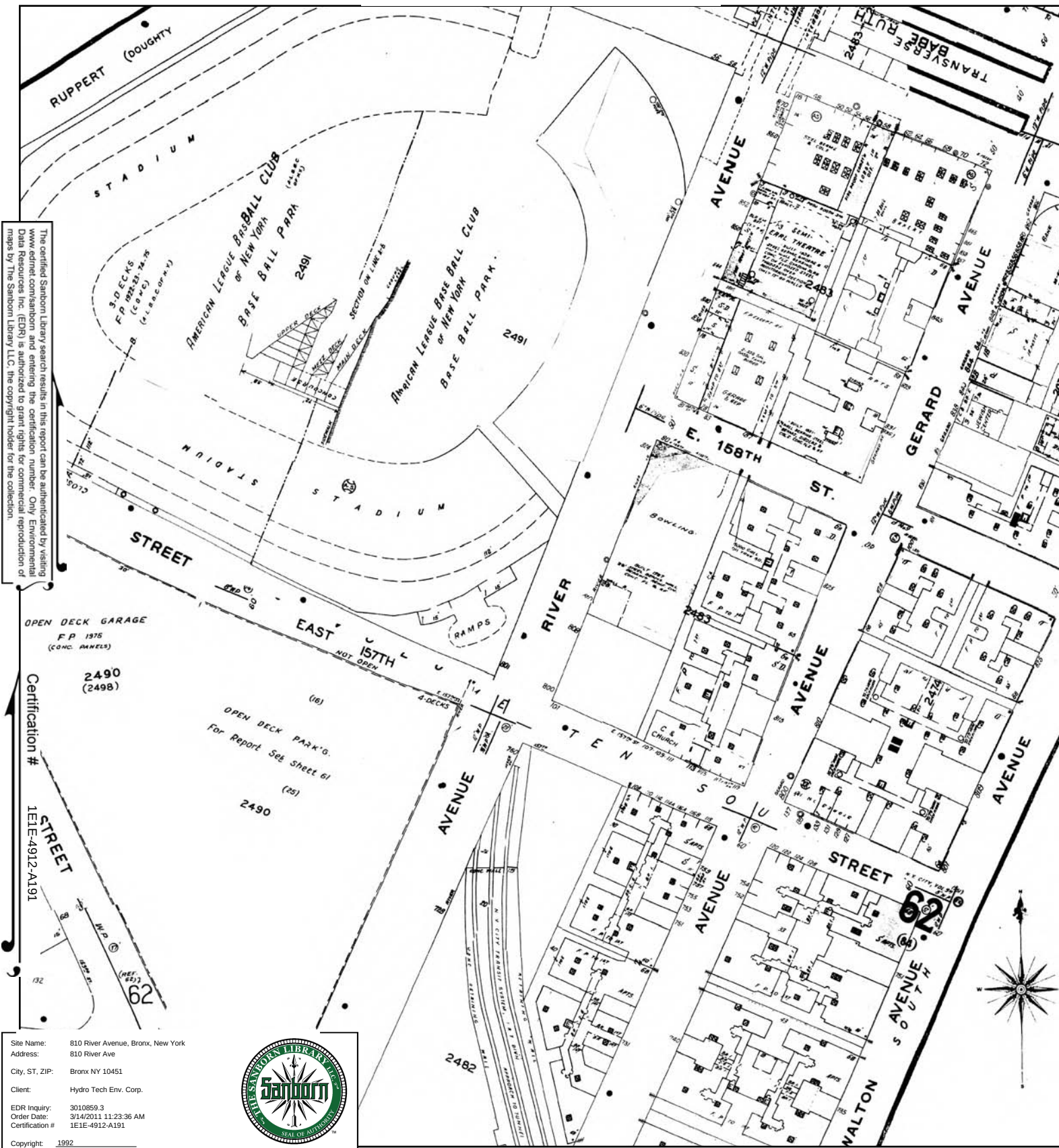
This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

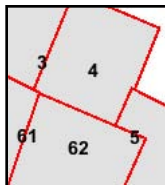


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1992 Certified Sanborn Map

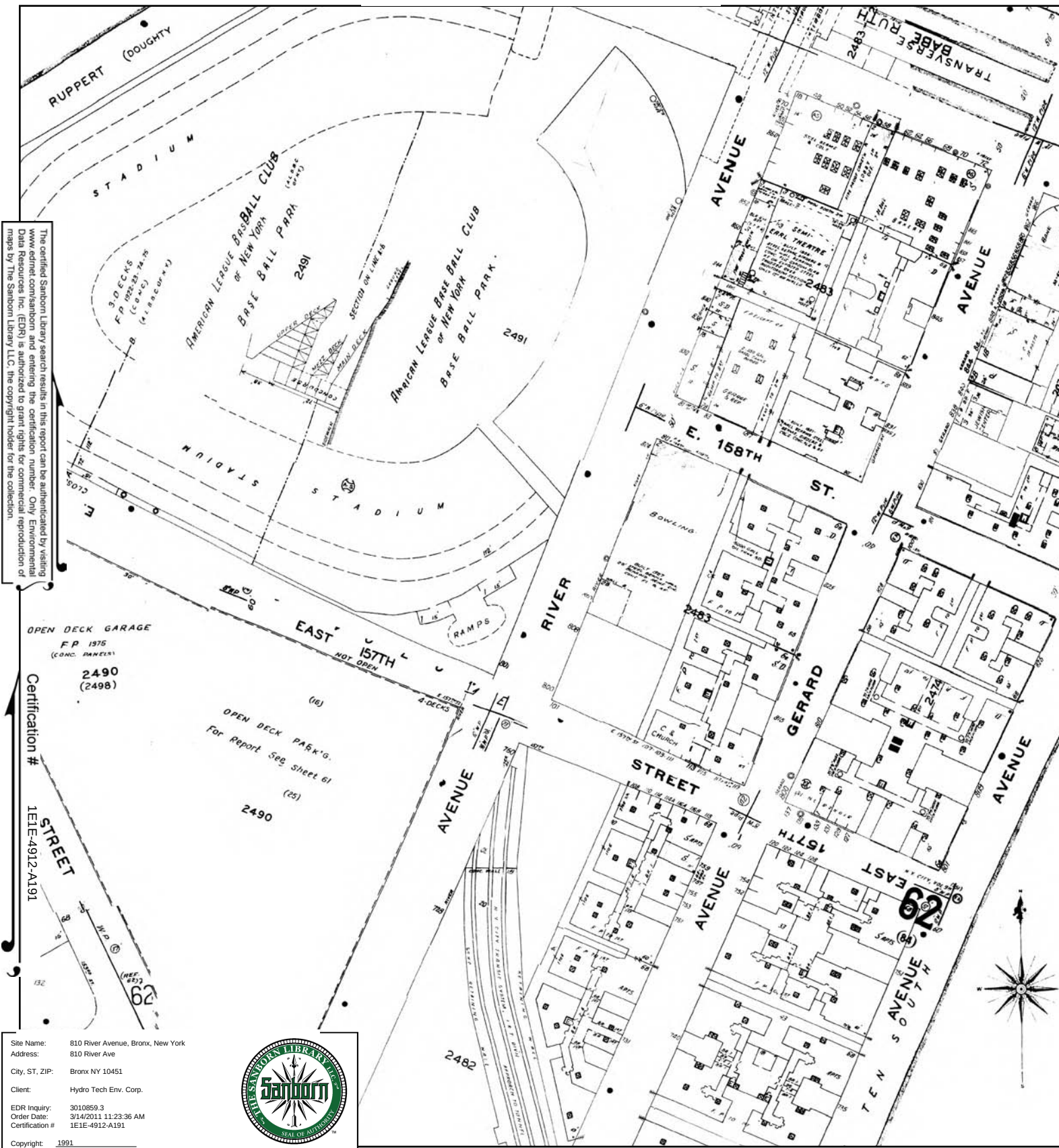


This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.

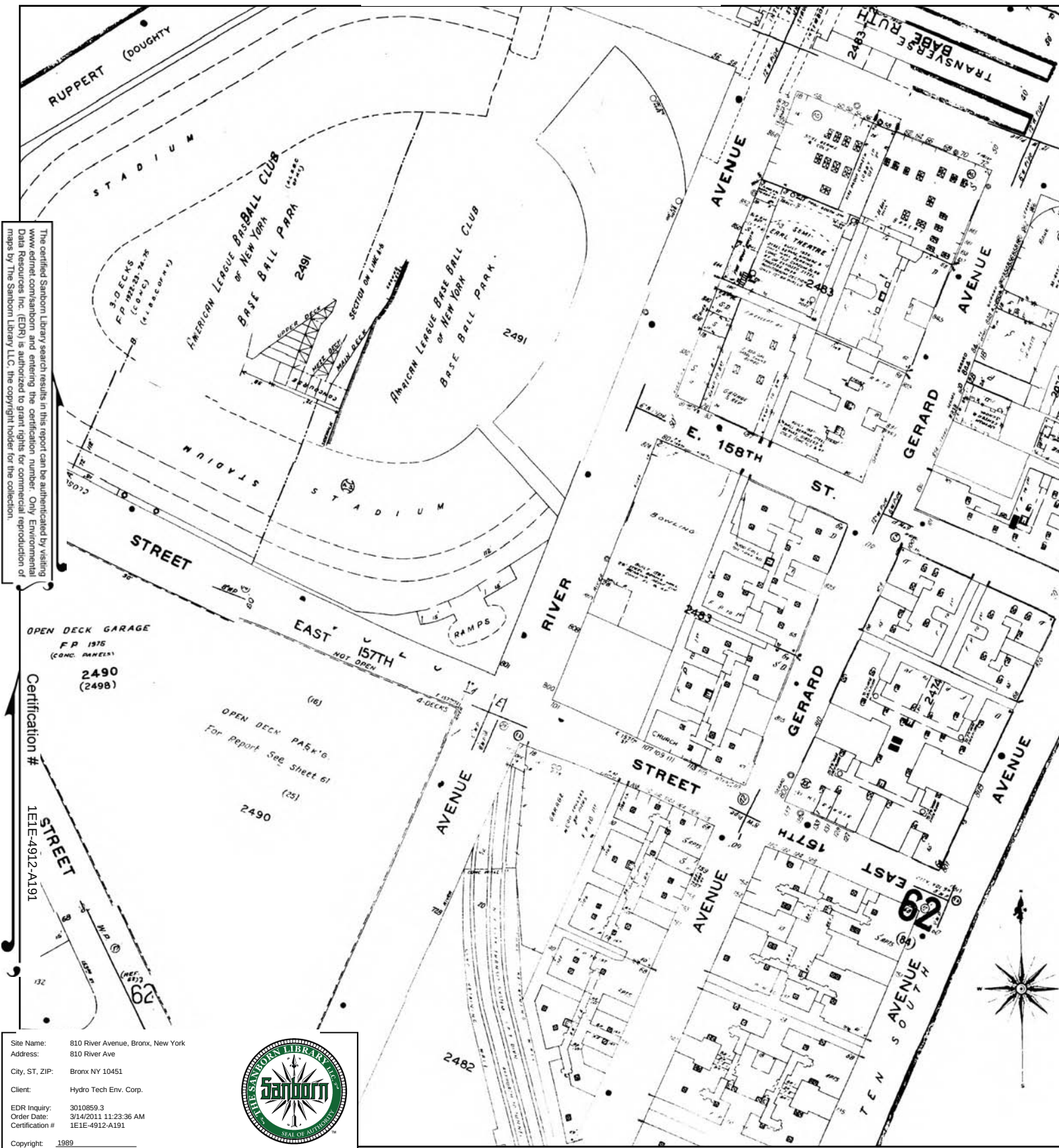


Volume 10S, Sheet 3
 Volume 10S, Sheet 4
 Volume 10S, Sheet 5
 Volume 9N, Sheet 61
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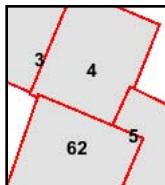
1991 Certified Sanborn Map



1989 Certified Sanborn Map

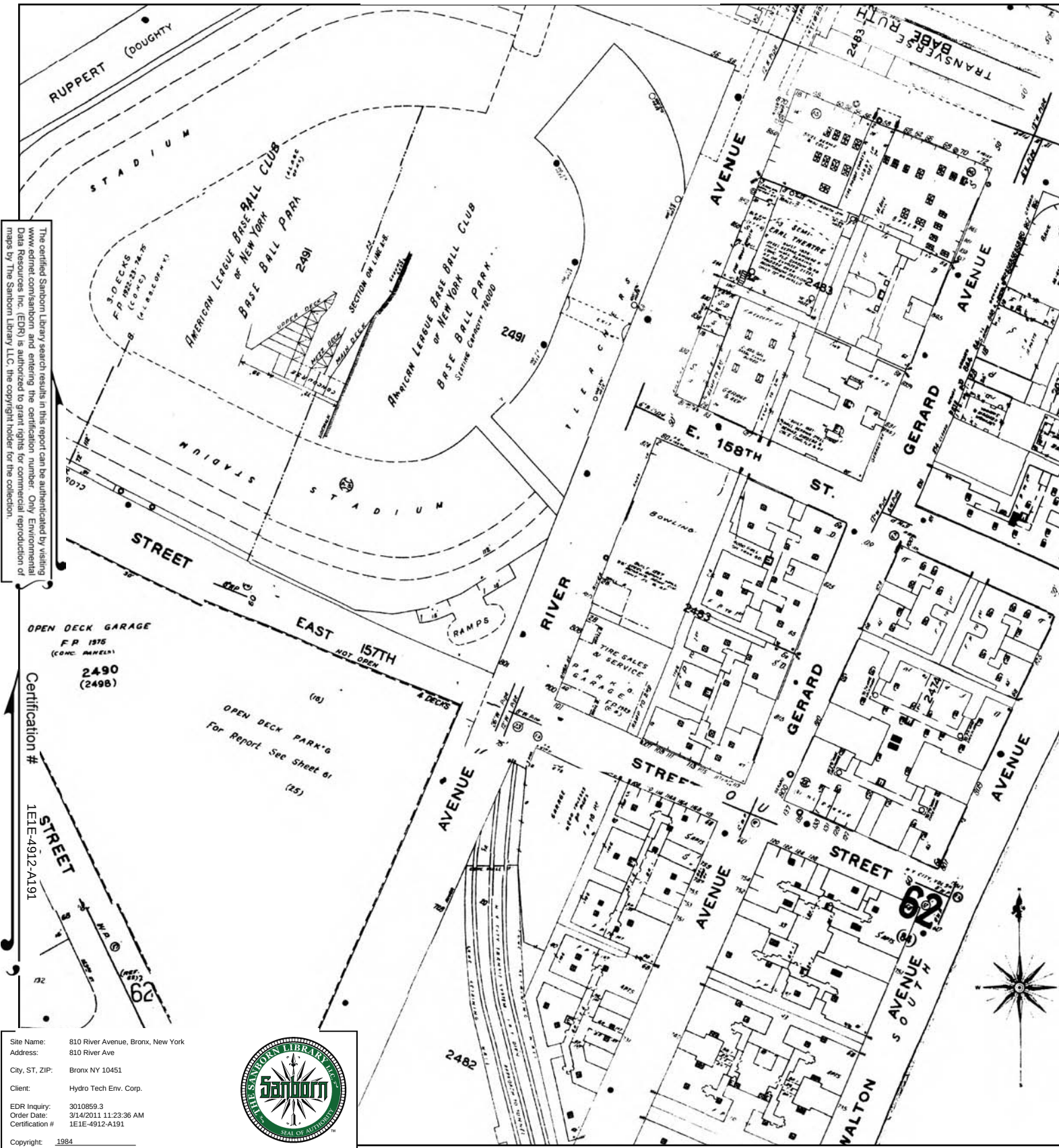


This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.

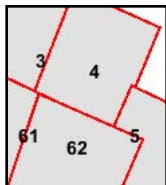
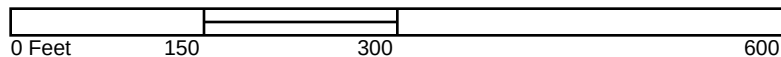


Volume 9N, Sheet 62
 Volume 10S, Sheet 3
 Volume 10S, Sheet 4
 Volume 10S, Sheet 5

1984 Certified Sanborn Map

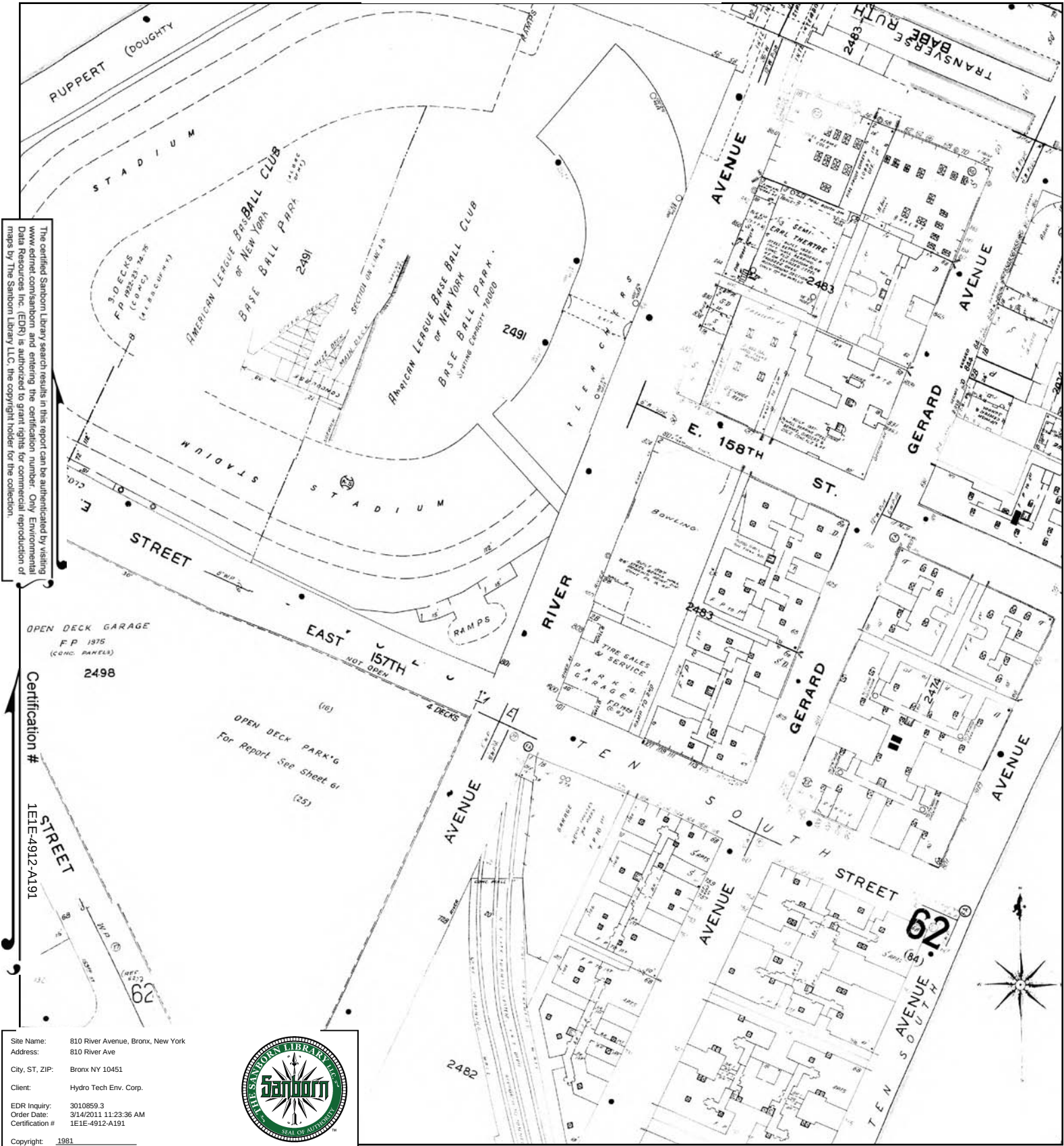


This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

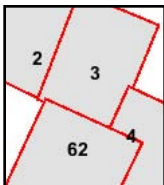
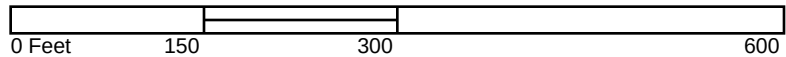


Volume 9N, Sheet 61
Volume 9N, Sheet 62
Volume 10S, Sheet 3
Volume 10S, Sheet 4
Volume 10S, Sheet 5

1981 Certified Sanborn Map

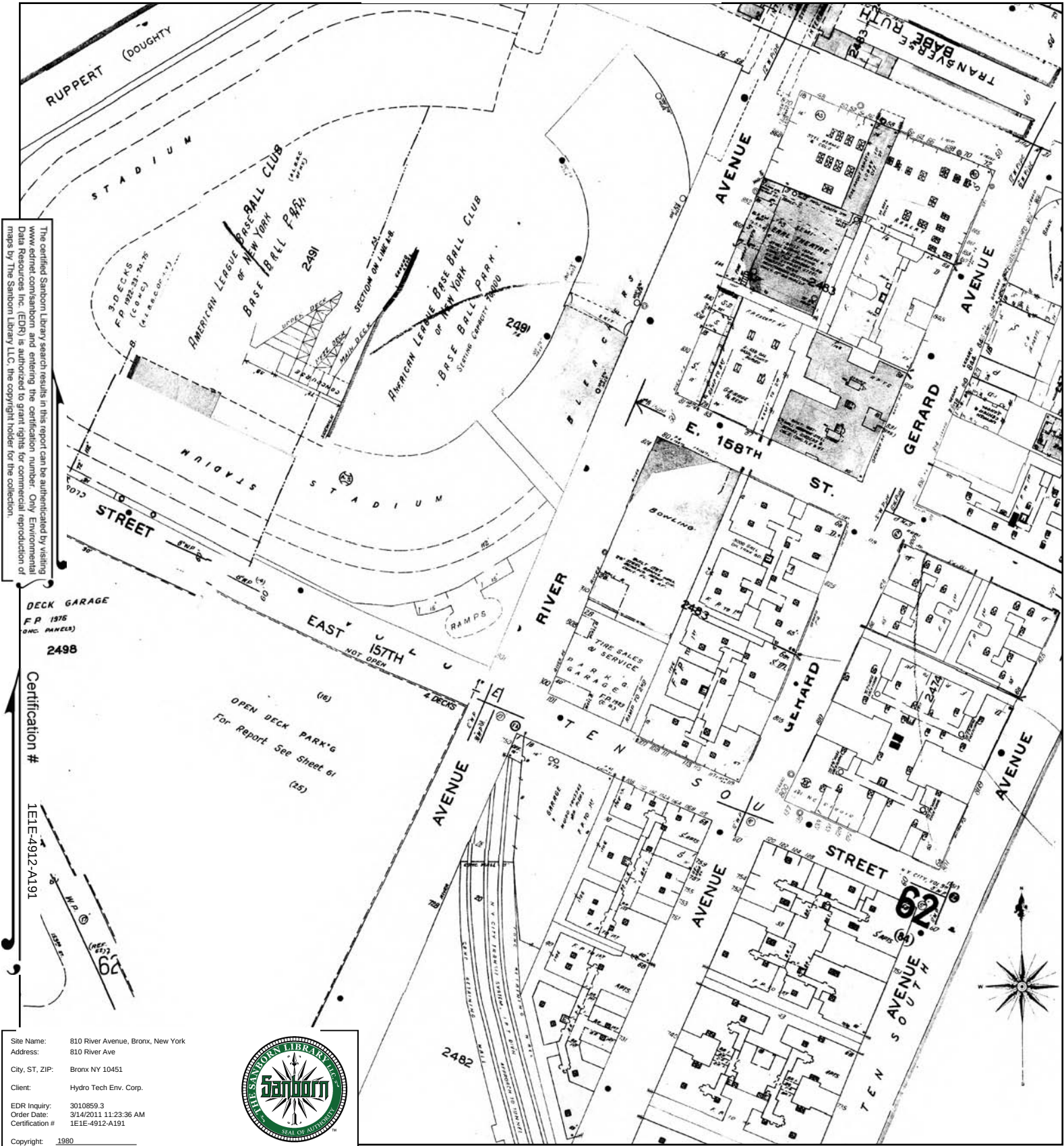


This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



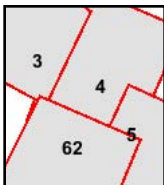
Volume 10S, Sheet 2
 Volume 10S, Sheet 3
 Volume 10S, Sheet 4
 Volume 9N, Sheet 62

1980 Certified Sanborn Map



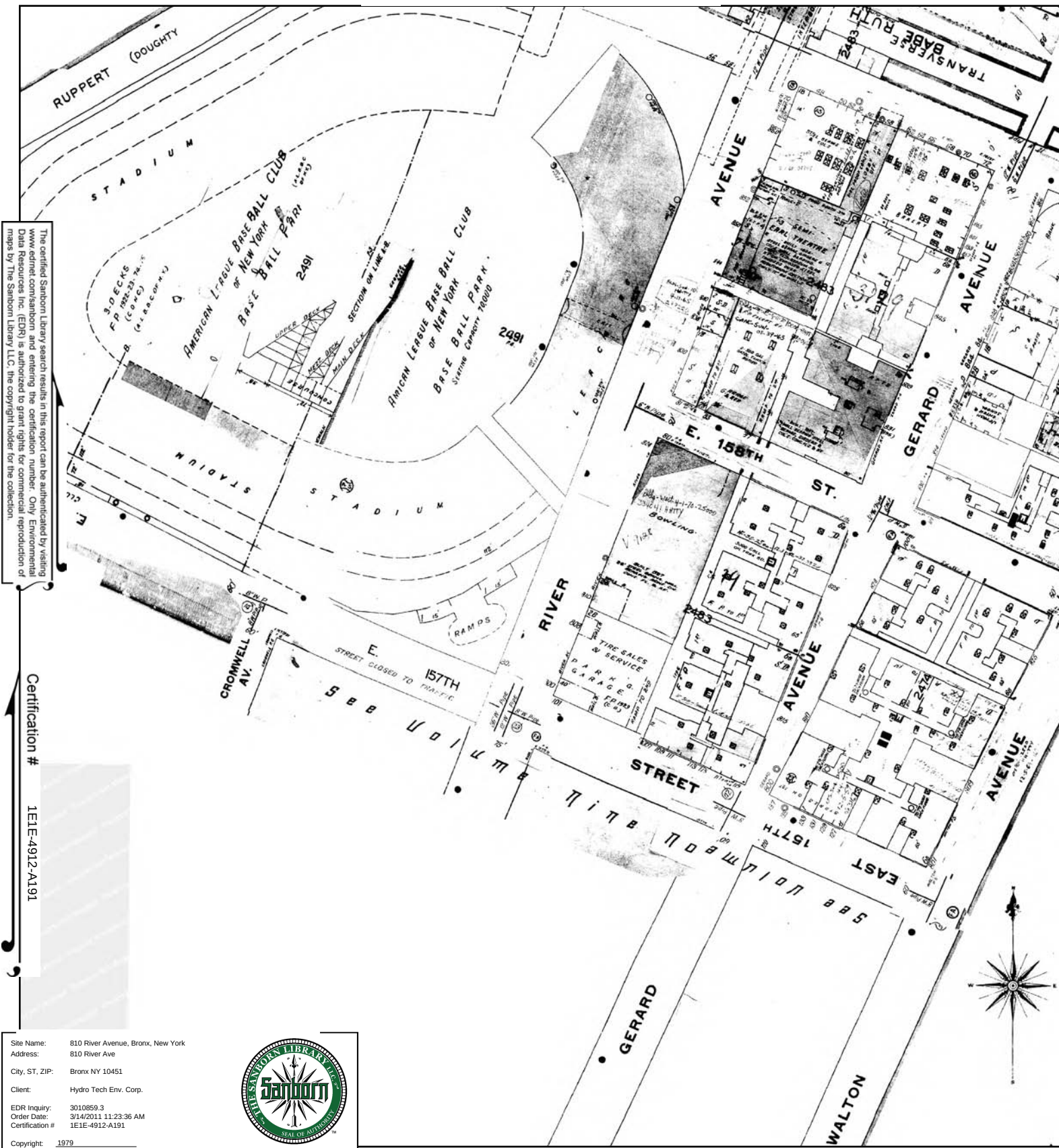
This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

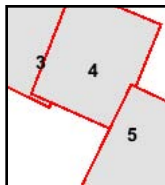


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 Volume 10S, Sheet 5
 Volume 10S, Sheet 3
 Volume 10S, Sheet 4

1979 Certified Sanborn Map



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

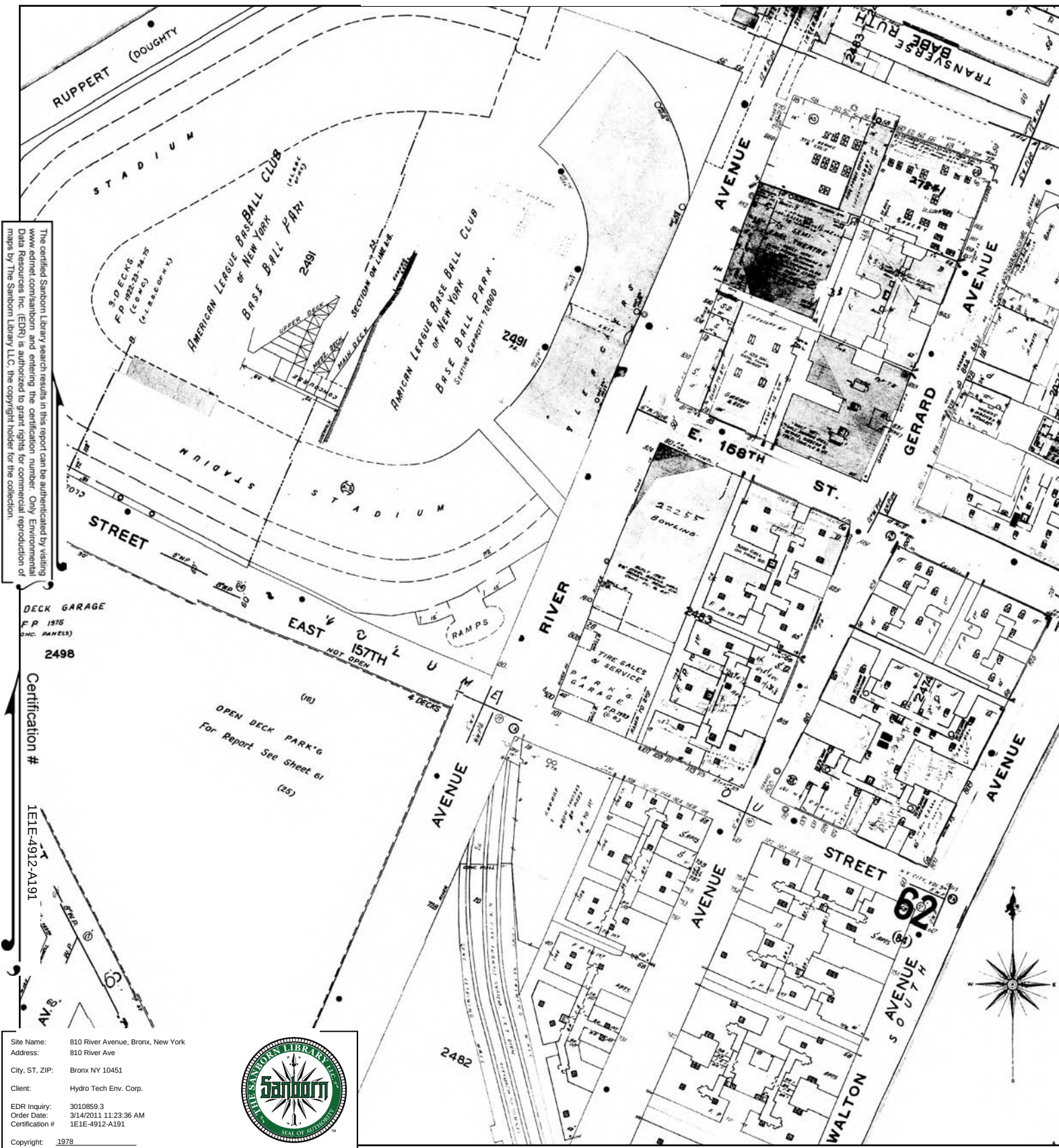


Volume 10S, Sheet 3
 Volume 10S, Sheet 4
 Volume 10S, Sheet 5

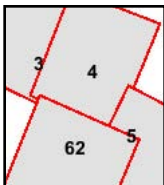
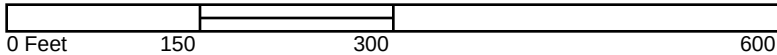
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1978 Certified Sanborn Map



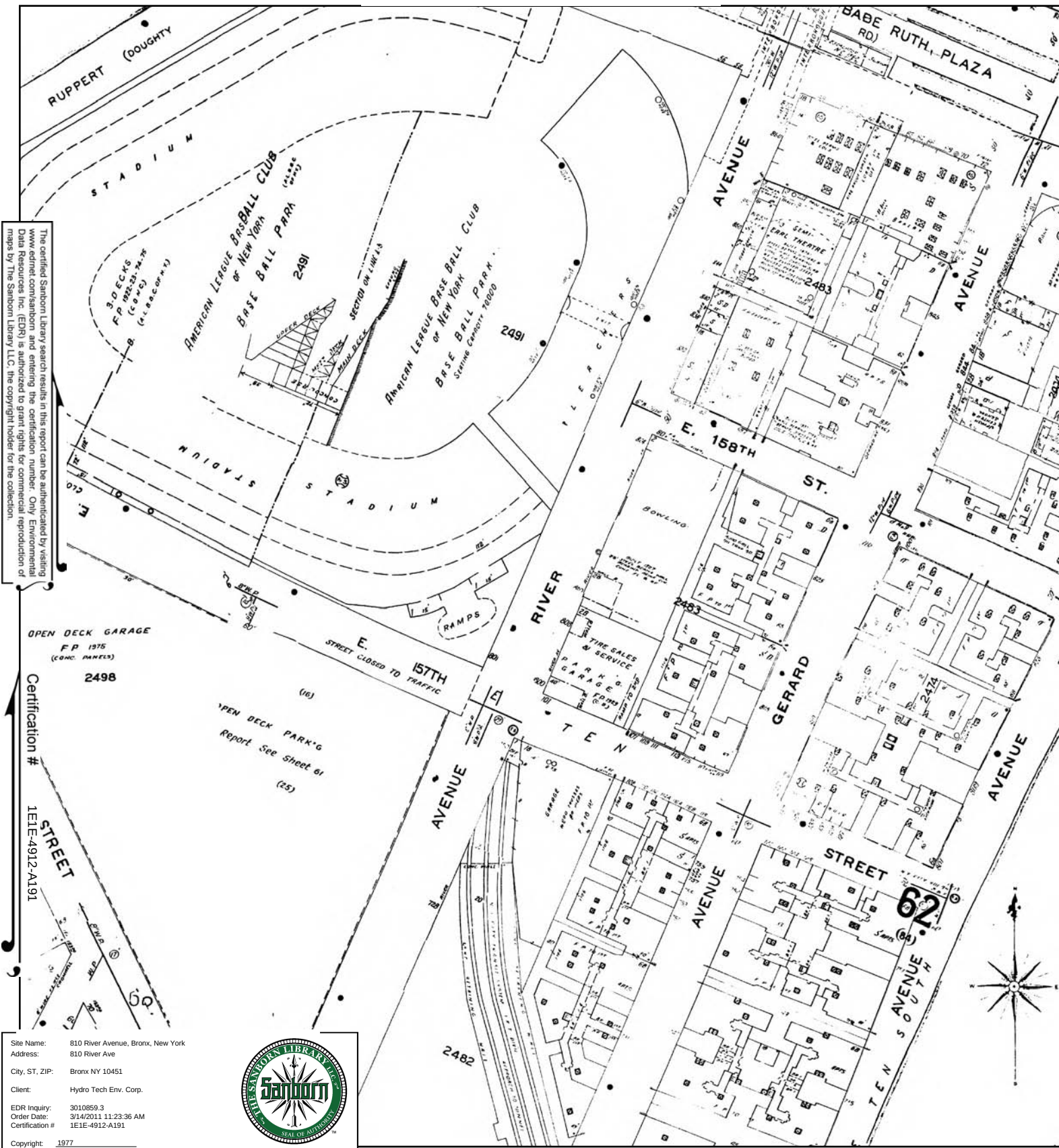
This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



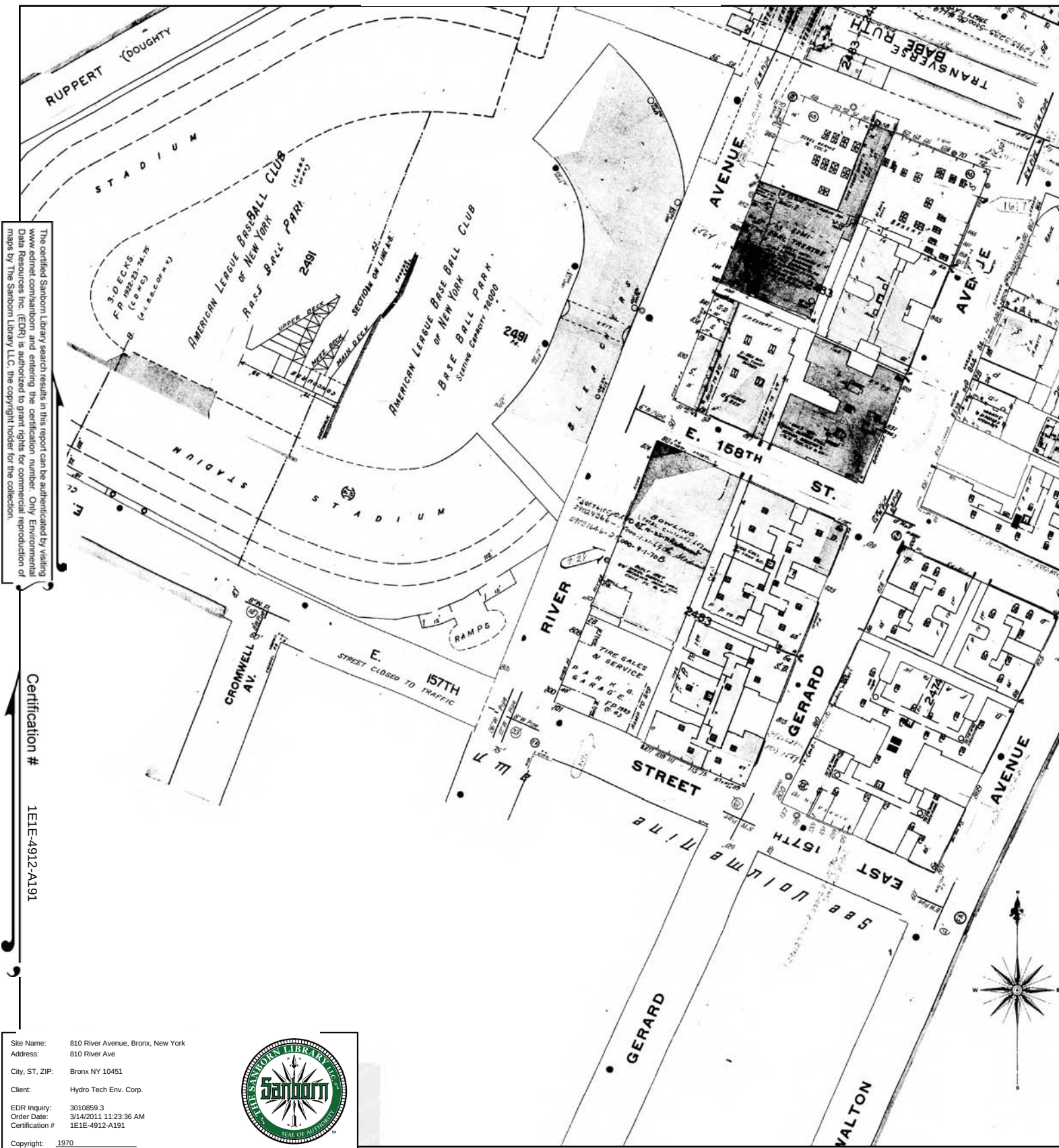
Volume 10S, Sheet 3
Volume 10S, Sheet 4
Volume 10S, Sheet 5
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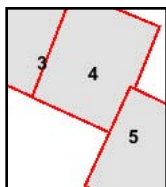
1977 Certified Sanborn Map



1970 Certified Sanborn Map



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

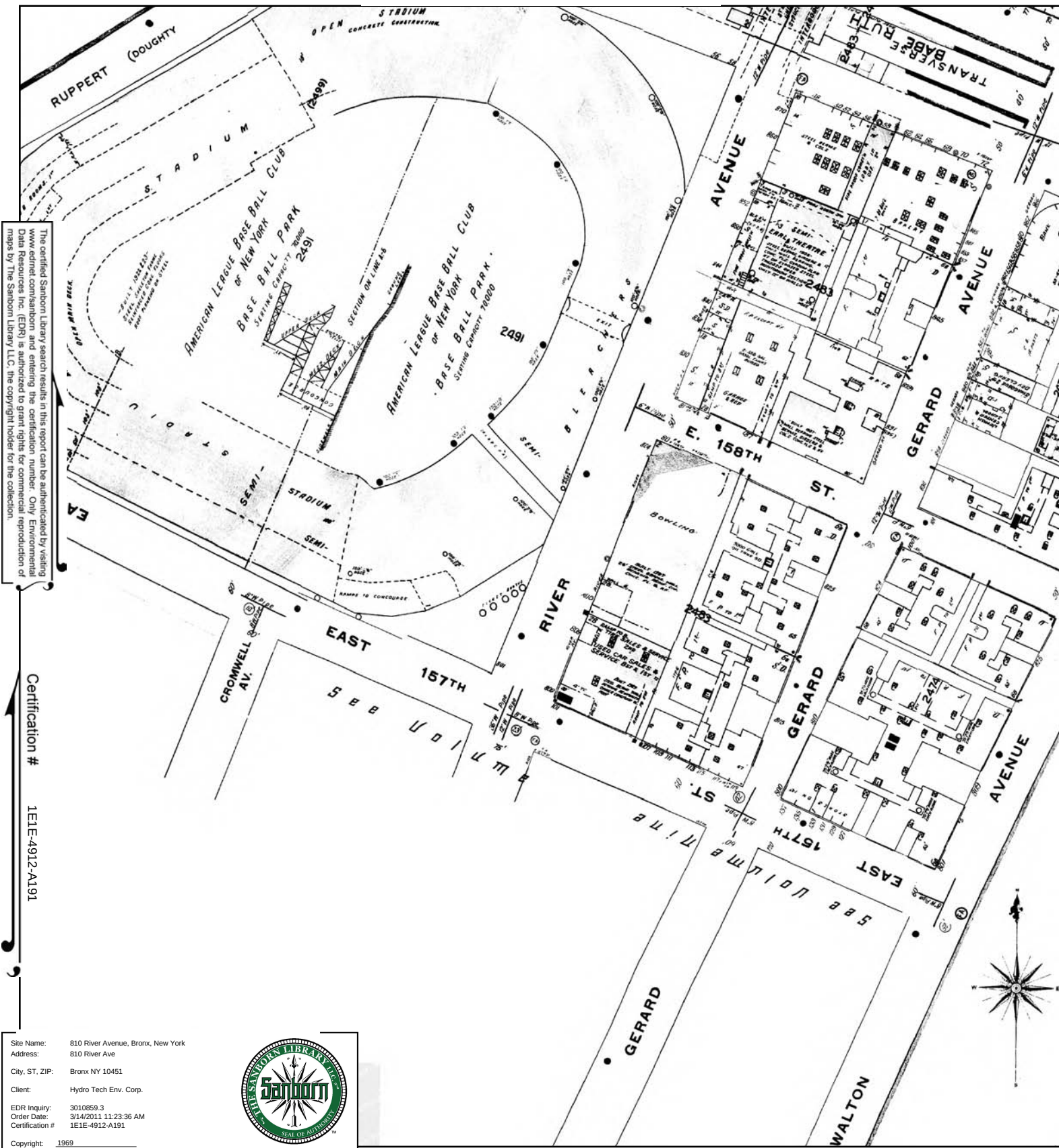


Volume 10S, Sheet 3
 Volume 10S, Sheet 4
 Volume 10S, Sheet 5

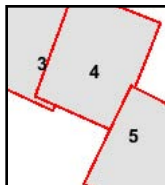
0 Feet 150 300 600



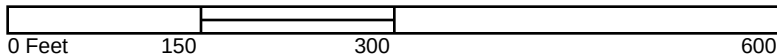
1969 Certified Sanborn Map



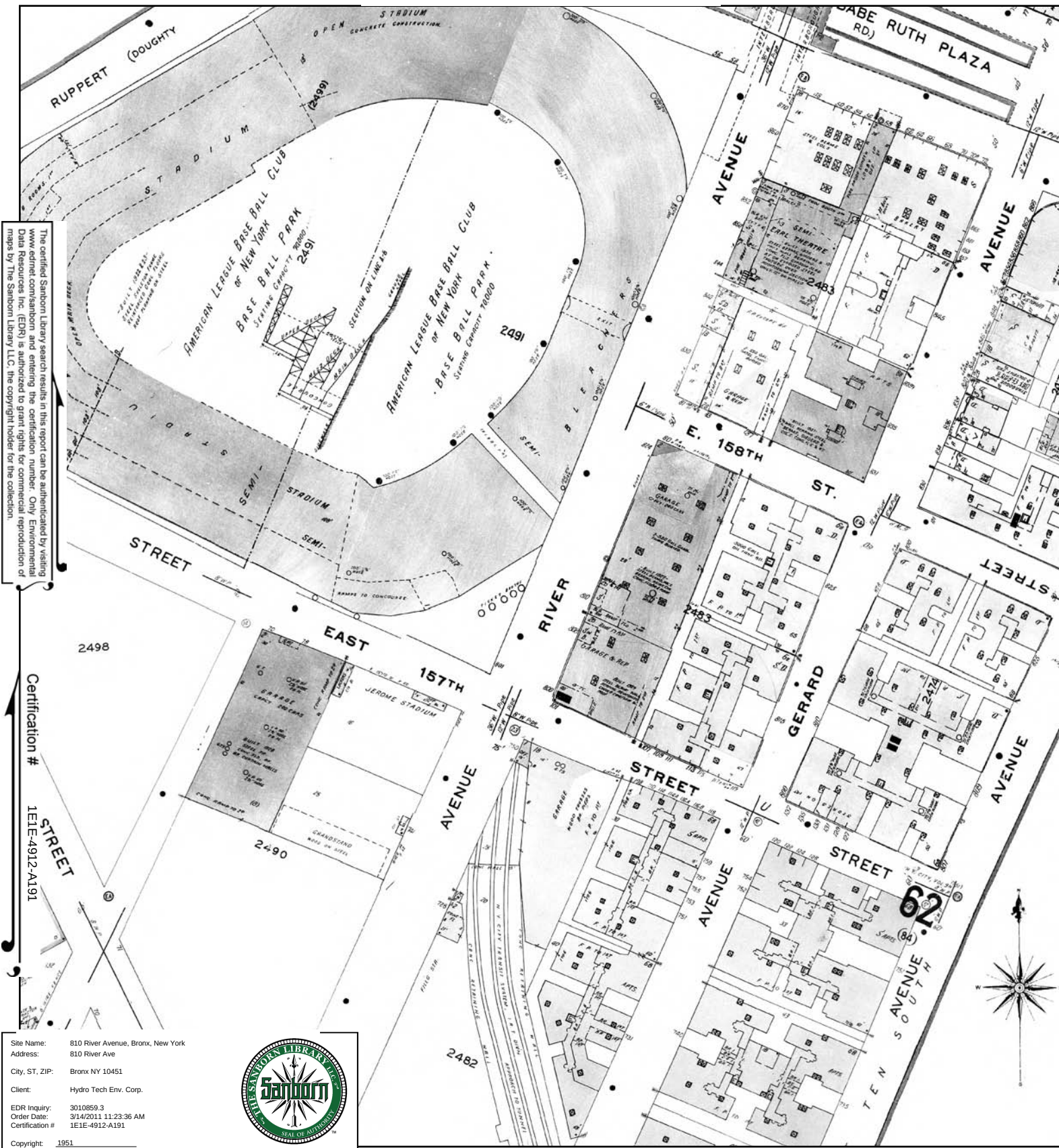
This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



Volume 10S, Sheet 3
 Volume 10S, Sheet 4
 Volume 10S, Sheet 5

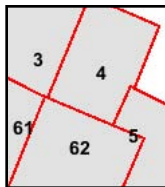


1951 Certified Sanborn Map



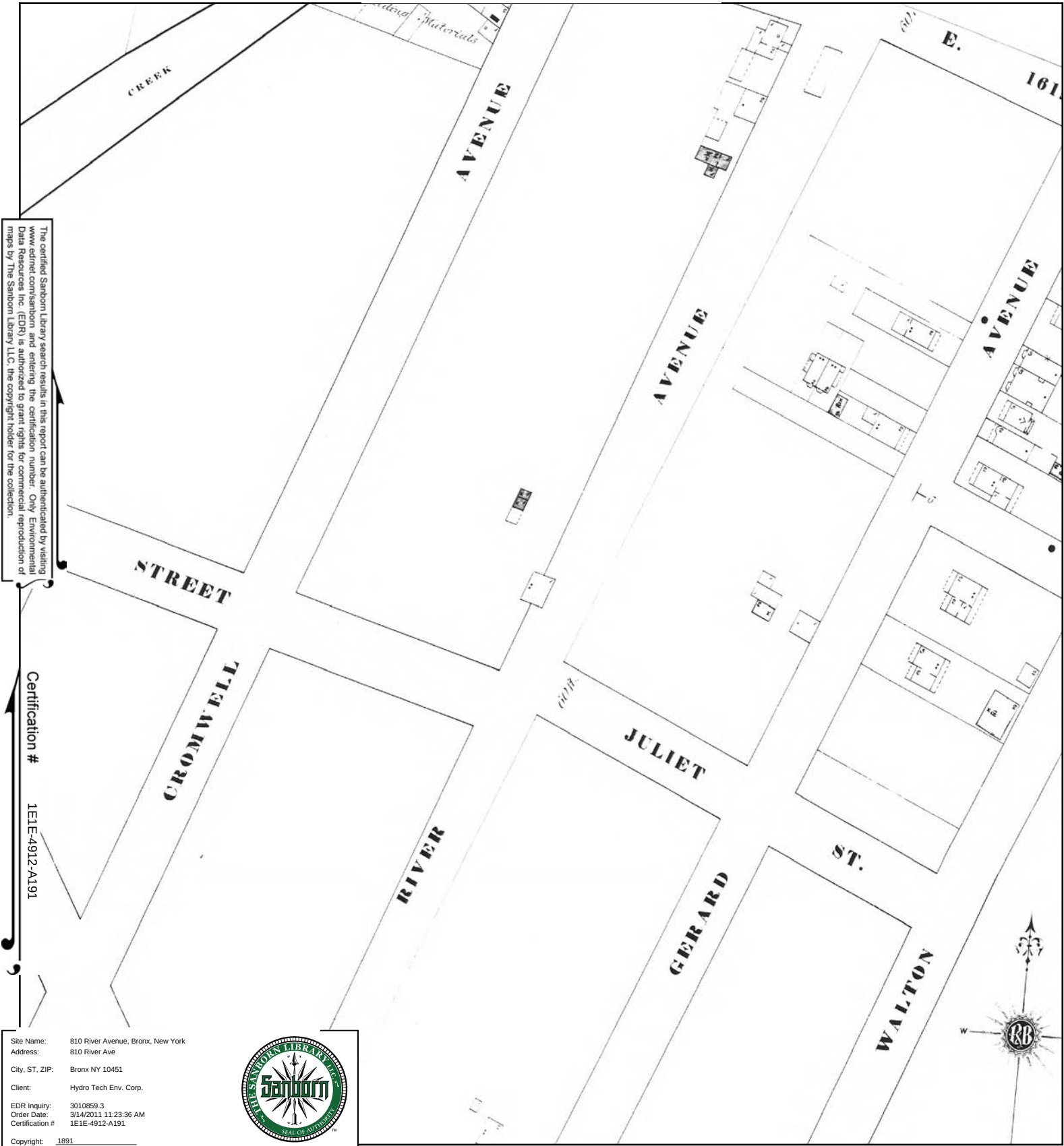
This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

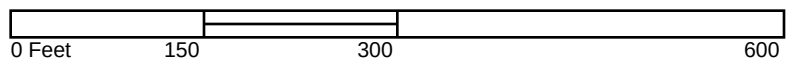


Volume 10S, Sheet 3
 Volume 10S, Sheet 4
 Volume 10S, Sheet 5
 Volume 9N, Sheet 61
 Volume 9N, Sheet 62

1891 Certified Sanborn Map



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



Volume 10, Sheet 218
 Volume 10, Sheet 221

APPENDIX D
CITY DIRECTORY SEARCH

810 River Avenue, Bronx, New York

810 River Ave
Bronx, NY 10451

Inquiry Number: 3010859.4
March 10, 2011

The EDR-City Directory Abstract

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Executive Summary

Findings

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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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 2005. 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.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2005	Hill-Donnelly Information Services	X	-	X	-
2000	Cole Information Services	X	-	X	-
1993	New York Telephone	X	-	X	-
1983	New York Telephone	X	X	X	-
1976	New York Telephone Company	X	X	X	-
1971	New York Telephone	X	-	X	-
1965	New York Telephone Company	X	-	X	-
1961	New York Telephone	X	X	X	-
1956	New York Telephone	X	X	X	-
1949	New York Telephone	X	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

810 River Ave
Bronx, NY 10451

FINDINGS DETAIL

Target Property research detail.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	Ball Park Lanes Inc s	Hill-Donnelly Information Services
	Ballpark Souvenir	Hill-Donnelly Information Services
	Leroys Pro Shop IR	Hill-Donnelly Information Services
2000	BALL PARK LNS INC	Cole Information Services
	BALL PARK SOUVENIR	Cole Information Services
	BIG BOWL & FUN LNS	Cole Information Services
	LEROYS PRO SHOP	Cole Information Services
1993	BALL PARK LANES INC BOWLING ALLEYS	New York Telephone
1983	BALL PARK LANES INC BOWLING ALLEYS	New York Telephone
1976	STADIUM LANES BWLG ALS	New York Telephone Company
1971	STADIUM LANES BWLG ALS	New York Telephone
1965	STADIUM LANES BWLG ALS	New York Telephone Company
1961	STADIUM LANES BWLG ALS	New York Telephone
1956	AMER AUTO SVCE	New York Telephone
	AMER GARAGE	New York Telephone
1949	AMER GARAGE	New York Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

RIVER AVE

802 RIVER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	KINNEY MAINTENANCE SVCE	New York Telephone
1961	CRANDALL RILEY	New York Telephone
	RILEYS AUTO REPR SVCE	New York Telephone
1949	HOME RUN GARAGE	New York Telephone
1940	Home Run Garage	New York Telephone

808 RIVER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1956	JACOBS JOS SOUVNRS & CONCESSIONS	New York Telephone
1949	JACOBS JOS SOUVNRS & CONCESSIONS	New York Telephone

816 RIVER AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Einherger Geo r	New York Telephone

RIVER DR

804 RIVER DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Breitman A r	New York Telephone

807 RIVER DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Cowan Geo I MD r	New York Telephone
	Cowen Edw L r	New York Telephone
	Feller Harry r	New York Telephone
	Flynn Claud A r	New York Telephone
	Freedman Sydney r	New York Telephone
	Friedeberg Fred r	New York Telephone
	Grossman Stanley E	New York Telephone
	Residence	New York Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Hunt Irene N Miss r	New York Telephone
	Jacobs Chas r	New York Telephone
	Kaufman A r	New York Telephone
	Krugman Harry A r	New York Telephone
	Leef Chas r	New York Telephone
	Lewitz Benj M r	New York Telephone
	Residence	New York Telephone
	Lichtenstein Harry R	New York Telephone
	Linz Simon r	New York Telephone
	Mann A r	New York Telephone
	Mc Coy C B r	New York Telephone
	Muth John G r	New York Telephone
	Nicholson John T Jr r	New York Telephone
	Robinson Harry r	New York Telephone
	Rosenberg Louis r	New York Telephone
	Wacht Jos r	New York Telephone
	Cohen Wilfred I P r	New York Telephone
	Cohen Rose J r	New York Telephone
	Cohen Jessie Mrs r	New York Telephone
	Cohen David r	New York Telephone
	Busch J r	New York Telephone
	Arbus Isaac r	New York Telephone
	Brush Wm J r	New York Telephone

811 RIVER DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Levy Chas Siegel r	New York Telephone

812 RIVER DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Berger Fred r	New York Telephone
	Binder B M Miss r	New York Telephone
	Bram David r	New York Telephone
	Cohn Irving L r	New York Telephone
	Coryell Grace E r	New York Telephone
	Dorland C H r	New York Telephone
	Einstein Sam r	New York Telephone
	Finch Ellis J r	New York Telephone
	Freure Martha Miss RN	New York Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Gerstenzang Adolph r	New York Telephone
	Goodman J r	New York Telephone
	Kendrick Athelstane r	New York Telephone
	Klein Allan S r	New York Telephone
	Kleia Mildred S Mrs r	New York Telephone
	Lange E W r	New York Telephone
	Leerburger Benedict H r	New York Telephone
	Levy Hyman S r	New York Telephone
	Manson Ruby L Miss RN	New York Telephone
	Morris Mildred r	New York Telephone
	Ringel Chas r	New York Telephone
	Schuster Leonard r	New York Telephone
	Sickles Buddy r	New York Telephone
	Steinberg Bernard Rev r	New York Telephone
	Abrahams Nat r	New York Telephone
	Berge Joe Mrs r	New York Telephone

815 RIVER DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Fish Abraham r	New York Telephone

RIVER PKY

815 RIVER PKY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	COMPUTRONIC SYSTEMS INC	New York Telephone
1976	FRANKLIN STORES CORP	New York Telephone Company

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched

810 River Ave

Address Not Identified in Research Source

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

802 RIVER AVE

804 RIVER DR

807 RIVER DR

808 RIVER AVE

811 RIVER DR

812 RIVER DR

815 RIVER DR

815 RIVER PKY

816 RIVER AVE

Address Not Identified in Research Source

2005, 2000, 1993, 1976, 1971, 1965, 1956, 1931, 1927

2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931

2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931

2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1940, 1931, 1927

2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931

2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931

2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931

2005, 2000, 1993, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927

2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931

APPENDIX E
DATABASE SEARCH RESULTS

810 River Avenue, Bronx, New York

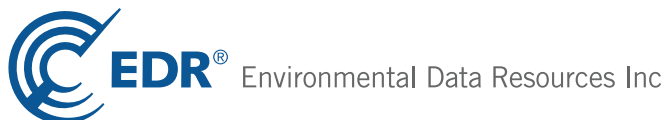
810 River Ave

Bronx, NY 10451

Inquiry Number: 3010859.2s

March 10, 2011

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
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Physical Setting Source Records Searched	A-18

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 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

810 RIVER AVE
BRONX, NY 10451

COORDINATES

Latitude (North): 40.826100 - 40° 49' 34.0"
Longitude (West): 73.927000 - 73° 55' 37.2"
Universal Transverse Mercator: Zone 18
UTM X (Meters): 590480.9
UTM Y (Meters): 4519795.0
Elevation: 23 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 40073-G8 CENTRAL PARK, NY
Most Recent Revision: 1995

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2006, 2008
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
LOT 5,TAXBLOCK 2483 810 RIVER AVENUE BRONX, NY 10451	E DESIGNATION	N/A

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

EXECUTIVE SUMMARY

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
RCRA-SQG..... RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Facility Register

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

CBS UST..... Chemical Bulk Storage Database
MOSF UST..... Major Oil Storage Facilities Database
MOSF AST..... Major Oil Storage Facilities Database
MOSF..... Major Oil Storage Facility Site Listing
INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

RES DECL..... Restrictive Declarations Listing

EXECUTIVE SUMMARY

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Cleanup Agreements

State and tribal Brownfields sites

ERP..... Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
SWRCY..... Registered Recycling Facility List
SWTIRE..... Registered Waste Tire Storage & 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
DEL SHWS..... Delisted Registry Sites
US HIST CDL..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

HIST AST..... Historical Petroleum Bulk Storage Database

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

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
MINES..... Mines Master Index File
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act

EXECUTIVE SUMMARY

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
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
HSWDS.....	Hazardous Substance Waste Disposal Site Inventory
UIC.....	Underground Injection Control Wells
NPDES.....	State Pollutant Discharge Elimination System
AIRS.....	Air Emissions Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
FINANCIAL ASSURANCE.....	Financial Assurance Information Listing
COAL ASH.....	Coal Ash Disposal Site Listing
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH DOE.....	Seam-Electric Plan Operation Data

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

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

EXECUTIVE SUMMARY

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 02/17/2010 has revealed that there are 3 RCRA-CESQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CON EDISON	WALTON AVE & E 157TH ST	SE 0 - 1/8 (0.106 mi.)	E21	68
NYCTA - 161ST STREET STATION	161ST ST & RIVER AVE	NNE 1/8 - 1/4 (0.143 mi.)	K38	117
NYCT - JOSEPH J YANCEY	COR OF RIVER AVE & E 16	NNE 1/8 - 1/4 (0.143 mi.)	K40	124

State- and tribal - equivalent CERCLIS

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 SHWS list, as provided by EDR, and dated 11/23/2010 has revealed that there are 2 SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
1296 SHERIDAN AVENUE	1296 SHERIDAN AVENUE	NE 1/2 - 1 (0.955 mi.)	126	433
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
2350 FIFTH AVENUE CORP	2350 5TH AVE	SSW 1/2 - 1 (0.758 mi.)	125	417

Class Code: Significant threat to the public health or environment - action required.

VAPOR REOPENED: "Vapor intrusion" refers to the process by which volatile chemicals move from a subsurface source into the indoor air of overlying or adjacent buildings. The subsurface source can either be contaminated groundwater or contaminated soil which releases vapors into the pore spaces in the soil. Improvements in analytical techniques and knowledge gained from site investigations in New York and other states has led to an increased awareness of soil vapor as a medium of concern and of the potential for exposures from the soil vapor intrusion pathway. Based on this additional information, 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.

A review of the VAPOR REOPENED list, as provided by EDR, and dated 09/14/2010 has revealed that there are 2 VAPOR REOPENED sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
1296 SHERIDAN AVENUE	1296 SHERIDAN AVENUE	NE 1/2 - 1 (0.955 mi.)	126	433
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
2350 FIFTH AVENUE CORP	2350 5TH AVE	SSW 1/2 - 1 (0.758 mi.)	125	417

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

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 LTANKS list, as provided by EDR, and dated 11/23/2010 has revealed that there are 43 LTANKS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
YANKEE STADIUM	800 RUPPERT PLACE	0 - 1/8 (0.001 mi.)	A2	10
APARTMENT HOUSE	815 GERARD AV	ESE 0 - 1/8 (0.058 mi.)	C9	31
Date Closed: 2/2/2004				
YANKEE STADIUM	161ST & RIVER AVE	NNE 1/8 - 1/4 (0.143 mi.)	K37	115
YANKEE STADIUM	161 STREET/RIVER AVE	NNE 1/8 - 1/4 (0.143 mi.)	K41	127
Date Closed: 11/10/2008				
FOOD TOWN	881-885 GERARD AVE	NE 1/8 - 1/4 (0.172 mi.)	N51	164
Date Closed: 7/17/2009				
711 WALTON AVENUE	711 WALTON AVENUE	S 1/8 - 1/4 (0.194 mi.)	P57	186
Date Closed: 12/22/1994				
BROWNS CO COURT HOUSE	851 GRAND CONCOURSE	E 1/8 - 1/4 (0.200 mi.)	R61	198
Date Closed: 9/12/2005				
USPS VEHICLE MAINT. FAC.	580 GERARD AVENUE	S 1/8 - 1/4 (0.238 mi.)	82	269
Date Closed: 5/11/2001				
740 GRAND CONCOURSE	740 GRAND CONCOURSE	SSE 1/8 - 1/4 (0.245 mi.)	Y86	277
Date Closed: 3/17/1998				
730 GRAND CONCOURSE	730 GRAND CONCOURSE	SSE 1/4 - 1/2 (0.254 mi.)	Y89	286
Date Closed: 2/24/1995				
RENTAL MASTER	940 GRAND CONCOURSE	ENE 1/4 - 1/2 (0.337 mi.)	94	331
180 EAST 163RD STREET	180 EAST 163RD STREET	ENE 1/4 - 1/2 (0.356 mi.)	95	333
Date Closed: 4/29/1997				
PARKING LOT	1011 GERARD AVE	NNE 1/4 - 1/2 (0.373 mi.)	96	335
Date Closed: 8/24/2005				
111 E. 164TH ST	111 E. 164TH ST	NE 1/4 - 1/2 (0.376 mi.)	97	337
Date Closed: 11/3/2004				
CARMEL HAYS HIGH SCHOOL	650 GRAND CONCOURSE	S 1/4 - 1/2 (0.384 mi.)	98	339
Date Closed: 3/3/2003				
1000 GRAN CONCOURSE	1000 GRAND CONCOURSE	NE 1/4 - 1/2 (0.412 mi.)	AA100	344
Date Closed: 12/8/1999				
APARTMENT BLDG	1000 GRAND CONCOURSE	NE 1/4 - 1/2 (0.412 mi.)	AA101	346
Date Closed: 11/28/2005				
Not reported	227 EAST 162ND ST	E 1/4 - 1/2 (0.413 mi.)	102	348
Date Closed: 10/4/2005				
APRT BUILDING	155 WEST 162ND STREET	NNW 1/4 - 1/2 (0.421 mi.)	AB103	350
Date Closed: 9/8/2005				
500 GRAND CONCOURSE	500 GRAND CONCOURSE	S 1/4 - 1/2 (0.424 mi.)	104	352
Date Closed: 9/30/1992				
APART	155 WEST 162ND STREET	NNW 1/4 - 1/2 (0.424 mi.)	AB105	354
Not reported	920 SUMMIT AV	NNW 1/4 - 1/2 (0.425 mi.)	106	356
Date Closed: 5/2/2002				

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
974 SHERIDAN AVENUE Date Closed: 5/22/1997	974 SHERIDAN AVENUE	ENE 1/4 - 1/2 (0.433 mi.)	AC107	358
138 EAST 150TH STREET Date Closed: 12/10/1993	138 EAST 150TH STREET	S 1/4 - 1/2 (0.441 mi.)	109	368
1020 GRAND CONCOURSE/BX Date Closed: 6/20/1995	1020 GRAND CONCOURSE	NE 1/4 - 1/2 (0.446 mi.)	AD110	371
EXECUTIVE TOWERS Date Closed: 8/24/2005	1020 GRAND CONCOURSE	NE 1/4 - 1/2 (0.447 mi.)	AD112	377
Not reported Date Closed: 3/27/2000	1020 GRAND CONCOURSE	NE 1/4 - 1/2 (0.447 mi.)	AD113	379
984 SHERIDAN AVENUE Date Closed: 2/9/2004	984 SHERIDAN AVE	ENE 1/4 - 1/2 (0.448 mi.)	AC114	381
PRIVATE HOME Date Closed: 12/19/2006	967 SHERMAN AVE	ENE 1/4 - 1/2 (0.449 mi.)	115	388
1054 WALTON AVE Date Closed: 1/28/1992	1054 WALTON AVE	NE 1/4 - 1/2 (0.467 mi.)	AE116	390
1058 WALTON AVE Date Closed: 5/25/1995	1058 WALTON AVE	NE 1/4 - 1/2 (0.475 mi.)	AE117	392
99 MACCOMBS PL/MANH/USPS Date Closed: 10/7/1992	99 MACCOMBS PLACE	WNW 1/4 - 1/2 (0.475 mi.)	AF118	395
99 MACOMBS PL/MANH/USPS Date Closed: 10/7/1992	99 MACOMBS PLACE	WNW 1/4 - 1/2 (0.475 mi.)	AF119	397
GRAND CONCOURSE REALTY CO Date Closed: 10/1/2004	557 GRAND CONCOURSE	S 1/4 - 1/2 (0.484 mi.)	120	400
ST. ANGELA MERICI EXCAVATION Date Closed: 10/11/2006	917 MORIS AVE 675 MORRIS AVE	E 1/4 - 1/2 (0.487 mi.) SE 1/4 - 1/2 (0.488 mi.)	121 122	403 404
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
G A L MFG CORP Date Closed: 4/30/1999	50 E 153RD ST	W 0 - 1/8 (0.121 mi.)	H29	85
775 CONCORSE VILLAGE EAST Date Closed: 7/13/1998	775 CONCORSE VILLAGE EA	ESE 1/4 - 1/2 (0.336 mi.)	Z91	319
775 CONCORSE VILLAGE E Date Closed: 1/31/1991	775 CONCORSE VILLAGE E	ESE 1/4 - 1/2 (0.336 mi.)	Z92	321
775 CONCORSE VILLAGE Date Closed: 3/18/1994	775 CONCORSE VILLAGE	ESE 1/4 - 1/2 (0.336 mi.)	Z93	326
EAST 158TH ST AND Date Closed: 7/13/1998	CONCORD VILLAGE EAST	ESE 1/4 - 1/2 (0.402 mi.)	99	341
99 E 149 ST Date Closed: 3/4/2003	99 E 149 ST	SSW 1/4 - 1/2 (0.496 mi.)	AG123	406
AMOCO Date Closed: 11/13/2008	99 EAST 149TH ST	SSW 1/4 - 1/2 (0.496 mi.)	AG124	409

EXECUTIVE SUMMARY

HIST LTANKS: 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.

A review of the HIST LTANKS list, as provided by EDR, and dated 01/01/2002 has revealed that there are 32 HIST LTANKS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
YANKEE STADIUM Date Closed: / /	800 RUPPERT PLACE	0 - 1/8 (0.001 mi.)	A2	10
APARTMENT HOUSE Date Closed: / /	815 GERARD AV	ESE 0 - 1/8 (0.058 mi.)	C9	31
711 WALTON AVENUE Date Closed: 12/22/94	711 WALTON AVENUE	S 1/8 - 1/4 (0.194 mi.)	P57	186
BROWNS CO COURT HOUSE Date Closed: / /	851 GRAND CONCOURSE	E 1/8 - 1/4 (0.200 mi.)	R61	198
USPS VEHICLE MAINT. FAC. Date Closed: 05/11/01	580 GERARD AVENUE	S 1/8 - 1/4 (0.238 mi.)	82	269
740 GRAND CONCOURSE Date Closed: 03/17/98	740 GRAND CONCOURSE	SSE 1/8 - 1/4 (0.245 mi.)	Y86	277
730 GRAND CONCOURSE Date Closed: 02/24/95	730 GRAND CONCOURSE	SSE 1/4 - 1/2 (0.254 mi.)	Y89	286
180 EAST 163RD STREET Date Closed: 04/29/97	180 EAST 163RD STREET	ENE 1/4 - 1/2 (0.356 mi.)	95	333
CARMEL HAYS HIGH SCHOOL Date Closed: / /	650 GRAND CONCOURSE	S 1/4 - 1/2 (0.384 mi.)	98	339
1000 GRAN CONCOURSE Date Closed: 12/08/99	1000 GRAND CONCOURSE	NE 1/4 - 1/2 (0.412 mi.)	AA100	344
Not reported Date Closed: / /	227 EAST 162ND ST	E 1/4 - 1/2 (0.413 mi.)	102	348
500 GRAND CONCOURSE Date Closed: 09/30/92	500 GRAND CONCOURSE	S 1/4 - 1/2 (0.424 mi.)	104	352
Not reported Date Closed: / /	920 SUMMIT AV	NNW 1/4 - 1/2 (0.425 mi.)	106	356
974 SHERIDAN AVENUE Date Closed: 05/22/97	974 SHERIDAN AVENUE	ENE 1/4 - 1/2 (0.433 mi.)	AC107	358
1027 GRAND CONCOURSE Date Closed: 09/20/95	1027 GRAND CONCOURSE	NE 1/4 - 1/2 (0.434 mi.)	AD108	366
138 EAST 150TH STREET Date Closed: 12/10/93	138 EAST 150TH STREET	S 1/4 - 1/2 (0.441 mi.)	109	368
1020 GRAND CONCOURSE/BX Date Closed: 06/20/95	1020 GRAND CONCOURSE	NE 1/4 - 1/2 (0.446 mi.)	AD110	371
APT BUILDING Date Closed: / /	1020 GRAND CONCOURSE	NE 1/4 - 1/2 (0.447 mi.)	AD111	373
Not reported Date Closed: 03/27/00	1020 GRAND CONCOURSE	NE 1/4 - 1/2 (0.447 mi.)	AD113	379
984 SHERIDAN AVENUE Date Closed: / /	984 SHERIDAN AVE	ENE 1/4 - 1/2 (0.448 mi.)	AC114	381

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
1054 WALTON AVE Date Closed: 01/28/92	1054 WALTON AVE	NE 1/4 - 1/2 (0.467 mi.)	AE116	390
1058 WALTON AVE Date Closed: 05/25/95	1058 WALTON AVE	NE 1/4 - 1/2 (0.475 mi.)	AE117	392
99 MACCOMBS PL/MANH/USPS Date Closed: 10/07/92	99 MACCOMBS PLACE	WNW 1/4 - 1/2 (0.475 mi.)	AF118	395
99 MACOMBS PL/MANH/USPS Date Closed: 10/07/92	99 MACOMBS PLACE	WNW 1/4 - 1/2 (0.475 mi.)	AF119	397
GRAND CONCOURSE REALTY CO Date Closed: / /	557 GRAND CONCOURSE	S 1/4 - 1/2 (0.484 mi.)	120	400
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
G A L MFG CORP Date Closed: 04/30/99	50 E 153RD ST	W 0 - 1/8 (0.121 mi.)	H29	85
775 CONCORSE VILLAGE EAST Date Closed: / /	775 CONCORSE VILLAGE EA	ESE 1/4 - 1/2 (0.336 mi.)	Z91	319
775 CONCORSE VILLAGE E Date Closed: 01/31/91	775 CONCORSE VILLAGE E	ESE 1/4 - 1/2 (0.336 mi.)	Z92	321
775 CONCORSE VILLAGE Date Closed: 03/18/94	775 CONCORSE VILLAGE	ESE 1/4 - 1/2 (0.336 mi.)	Z93	326
EAST 158TH ST AND Date Closed: / /	CONCORD VILLAGE EAST	ESE 1/4 - 1/2 (0.402 mi.)	99	341
99 E 149 ST Date Closed: / /	99 E 149 ST	SSW 1/4 - 1/2 (0.496 mi.)	AG123	406
AMOCO Date Closed: / /	99 EAST 149TH ST	SSW 1/4 - 1/2 (0.496 mi.)	AG124	409

State and tribal registered storage tank lists

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 UST list, as provided by EDR, and dated 01/04/2011 has revealed that there are 12 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
YANKEE STADIUM	800 RUPPERT PLACE	0 - 1/8 (0.001 mi.)	A2	10
RIVER AVE PARKS	802 RIVER AVENUE	SSW 0 - 1/8 (0.021 mi.)	A4	18
STADIUM ARMS APT HOUSE	855 WALTON AVENUE	E 1/8 - 1/4 (0.131 mi.)	I34	107
WIPE-TEX INTERNATIONAL	110 E 153 STREET	SSW 1/8 - 1/4 (0.160 mi.)	M46	146
FOODTOWN	881-885 GERARD AVENUE	NE 1/8 - 1/4 (0.172 mi.)	N50	162
800 GRAND CONCOURSE OWNERS COR	800 GRAND CONCOURSE	ESE 1/8 - 1/4 (0.194 mi.)	Q59	193
BRONX COUNTY COURT	851 GRAND CONCOURSE	E 1/8 - 1/4 (0.200 mi.)	R64	205
RELIABLE AUTO SERVICE INC	782 GRAND CONCOURSE	SE 1/8 - 1/4 (0.201 mi.)	T66	212
HIGHBRIDGE	101 E 162ND ST	NNE 1/8 - 1/4 (0.232 mi.)	W78	260
VED PARKASH	750 GRAND CONCOURSE	SE 1/8 - 1/4 (0.236 mi.)	U81	266

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
675 WALTON AVENUE OWNERS CORP.	675 WALTON AVENUE	S 1/8 - 1/4 (0.240 mi.)	X83	272

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MACOMB'S DAM PARK FIELD HOUSE	161ST STREET & RUPPERT	N 1/8 - 1/4 (0.148 mi.)	43	131

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 AST list, as provided by EDR, and dated 01/04/2011 has revealed that there are 35 AST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GERARD PLAZA INC	815 GERARD AVE	ESE 0 - 1/8 (0.058 mi.)	C10	34
VED PARKASH	825 GERARD AVENUE	E 0 - 1/8 (0.066 mi.)	C14	49
VARMA CO-OPER HOMES INC.	828 GERARD AVE	E 0 - 1/8 (0.070 mi.)	D15	51
831 GERARD	831 GERARD AVE	ENE 0 - 1/8 (0.074 mi.)	D16	54
GRODNA REALTY CO	845 GERARD AVENUE	ENE 0 - 1/8 (0.094 mi.)	19	63
811 WALTON OWNERS CORP.	811 WALTON AVENUE	ESE 0 - 1/8 (0.103 mi.)	E20	66
751 GERARD AVE OWNER LLC	751 GERARD AVE	S 0 - 1/8 (0.116 mi.)	23	71
835 WALTON AVE	835 WALTON AVENUE	E 0 - 1/8 (0.117 mi.)	F24	73
845 WALTON LLC	845 WALTON AVENUE	E 0 - 1/8 (0.123 mi.)	F32	102
853 WALTON AVE	853 WALTON AVE	E 1/8 - 1/4 (0.129 mi.)	F33	104
865 WALTON REALTY CORP	865 WALTON AVE	ENE 1/8 - 1/4 (0.139 mi.)	I35	110
731 GERARD AVENUE	731 GERARD AVENUE	S 1/8 - 1/4 (0.141 mi.)	J36	113
751 WALTON/GERARD LLC	751 WALTON AVENUE	SSE 1/8 - 1/4 (0.147 mi.)	L42	129
PRIVATE DWELLING	710 GERARD AVE	S 1/8 - 1/4 (0.162 mi.)	J47	152
721-735 WALTON/GERARD LLC	735 WALTON AVENUE	SSE 1/8 - 1/4 (0.164 mi.)	L48	157
TAINAN REALTY CORP.	881 GERARD AVE	NE 1/8 - 1/4 (0.172 mi.)	N49	159
330 HULL REALTY CORP	705 GERARD AVENUE	S 1/8 - 1/4 (0.175 mi.)	O52	165
721-735 WALTON/GERARD LLC	721 WALTON AVENUE	S 1/8 - 1/4 (0.181 mi.)	P54	179
690 GERARD AVENUE	690 GERARD AVE	S 1/8 - 1/4 (0.187 mi.)	O55	181
330 HULL REALTY CORP	691 GERARD AVE	S 1/8 - 1/4 (0.193 mi.)	O56	183
800 GRAND CONCOURSE OWNERS COR	800 GRAND CONCOURSE	ESE 1/8 - 1/4 (0.194 mi.)	Q58	188
MOLETTE REALTY CORP	790 GRAND CONCOURSE	SE 1/8 - 1/4 (0.197 mi.)	Q60	195
BRONX COUNTY COURT-HOUSE	851 GRAND CONCOURSE	E 1/8 - 1/4 (0.200 mi.)	R63	202
901 LLC	901 WALTON AVENUE	ENE 1/8 - 1/4 (0.200 mi.)	S65	210
DAKAJO REALTY CORP	780 GRAND CONCOURSE	SE 1/8 - 1/4 (0.202 mi.)	T67	222
THOMAS GARDENS	840 GRAND CONCOURSE	E 1/8 - 1/4 (0.202 mi.)	68	225
711 WALTON AVE	711 WALTON AVE	S 1/8 - 1/4 (0.214 mi.)	70	231
860 OWNERS CORP.	860 GRAND CONCOURSE	E 1/8 - 1/4 (0.215 mi.)	R71	235
911 WALTON AV	911 WALTON AV	NE 1/8 - 1/4 (0.215 mi.)	S72	238
760 GRAND CONCOURSE	760 GRAND CONCOURSE	SE 1/8 - 1/4 (0.222 mi.)	U74	241
888 GRAND CONCOURSE	888 GRAND CONCOURSE	E 1/8 - 1/4 (0.229 mi.)	V76	255
911 LLC	923 WALTON AVENUE	NE 1/8 - 1/4 (0.234 mi.)	80	263
SEVENS G.C. CORPORATION	740 GRAND CONCOURSE	SSE 1/8 - 1/4 (0.245 mi.)	Y87	279
70 EAST 162ND ST	70 EAST 162ND ST	NNE 1/8 - 1/4 (0.248 mi.)	W88	283

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
G.A.L. MANUFACTURING CORP.	50 EAST 153RD STREET	W 0 - 1/8 (0.121 mi.)	H28	83

EXECUTIVE SUMMARY

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 CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 CBS AST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
G.A.L. MANUFACTURING CORP.	50 EAST 153 STREET	W 0 - 1/8 (0.121 mi.)	H30	96

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 CBS list, as provided by EDR, and dated 01/04/2011 has revealed that there is 1 CBS site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
G.A.L. MANUFACTURING CORP.	50 EAST 153 STREET	W 0 - 1/8 (0.121 mi.)	H30	96

State and tribal institutional control / engineering control registries

ENG CONTROLS: Environmental Remediation sites that have engineering controls in place.

A review of the ENG CONTROLS list, as provided by EDR, and dated 11/23/2010 has revealed that there is 1 ENG CONTROLS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>FORMER METRO NORTH PROPERTY</i>	<i>730 CONCOURSE VILLAGE W SE 1/4 - 1/2 (0.292 mi.)</i>		<i>90</i>	<i>291</i>

INST CONTROL: Environmental Remediation sites that have institutional controls in place.

A review of the INST CONTROL list, as provided by EDR, and dated 11/23/2010 has revealed that there is 1 INST CONTROL site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>FORMER METRO NORTH PROPERTY</i>	<i>730 CONCOURSE VILLAGE WSE 1/4 - 1/2 (0.292 mi.)</i>		<i>90</i>	<i>291</i>

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

A review of the BROWNFIELDS list, as provided by EDR, and dated 11/23/2010 has revealed that there is 1 BROWNFIELDS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>FORMER METRO NORTH PROPERTY</i>	<i>730 CONCOURSE VILLAGE WSE 1/4 - 1/2 (0.292 mi.)</i>		<i>90</i>	<i>291</i>

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

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 HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 9 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
YANKEE STADIUM	800 RUPPERT PLACE	0 - 1/8 (0.001 mi.)	A2	10
STADIUM ARMS APT HOUSE	855 WALTON AVENUE	E 1/8 - 1/4 (0.131 mi.)	I34	107
WIPE-TEX INTERNATIONAL	110 E 153 STREET	SSW 1/8 - 1/4 (0.160 mi.)	M46	146
800 GRAND CONCOURSE OWNERS COR	800 GRAND CONCOURSE	ESE 1/8 - 1/4 (0.194 mi.)	Q58	188
BRONX COUNTY COURT	851 GRAND CONCOURSE	E 1/8 - 1/4 (0.200 mi.)	R64	205
RELIABLE AUTO SERVICE INC	782 GRAND CONCOURSE	SE 1/8 - 1/4 (0.201 mi.)	T66	212
HIGHBRIDGE	101 E 162ND ST	NNE 1/8 - 1/4 (0.232 mi.)	W79	262
VED PARKASH	750 GRAND CONCOURSE	SE 1/8 - 1/4 (0.236 mi.)	U81	266
675 WALTON AVE	675 WALTON AVE	S 1/8 - 1/4 (0.240 mi.)	X84	274

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 11/23/2010 has revealed that there are 6 NY Spills sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VAULT 5082 E 157TH ST & Date Closed: 10/15/2003	E 157TH ST & RIVER AV	SSW 0 - 1/8 (0.028 mi.)	B5	21
YANKEE STADIUM PARKING LOT Not reported Date Closed: 9/29/2003	RIVER AVE/ EAST 157TH S E 157TH ST/RIVER AVE	SSW 0 - 1/8 (0.028 mi.) SSW 0 - 1/8 (0.028 mi.)	B6 B7	23 25
APARTMENT BUILDING Date Closed: 3/7/2006	815 GERARD AVE	ESE 0 - 1/8 (0.058 mi.)	C11	37
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
YANKEE STADIUM AREA Date Closed: 8/10/1994	YANKEE STADIUM AREA	NNW 0 - 1/8 (0.082 mi.)	18	61
BEHIND GAL MANUFACTURERS Date Closed: 9/24/2007	50 E.153RD ST	W 0 - 1/8 (0.120 mi.)	H26	78

EXECUTIVE SUMMARY

NY Hist Spills: 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.

A review of the NY Hist Spills list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 NY Hist Spills site within approximately 0.125 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
YANKEE STADIUM AREA	YANKEE STADIUM AREA	NNW 0 - 1/8 (0.082 mi.)	18	61

Other Ascertainable Records

RCRA-NonGen: 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 list, as provided by EDR, and dated 02/17/2010 has revealed that there are 9 RCRA-NonGen sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RAYS CLEANERS	118 EAST 157TH STREET	SE 0 - 1/8 (0.064 mi.)	12	38
GOODIE BRAND PACKING CORP	110 E 153RD ST	SSW 1/8 - 1/4 (0.160 mi.)	M45	144
BEVELL ROBIQU CLEANERS	886 GERARD AVE	NE 1/8 - 1/4 (0.177 mi.)	N53	168
BRONX BOROUGH PRESIDENT	851 GRAND CONCOURSE	E 1/8 - 1/4 (0.200 mi.)	R62	201
B N CLEANERS	760 GRAND CONCOURSE	SE 1/8 - 1/4 (0.222 mi.)	U75	245
CON EDISON	E 161 ST & GRAND CONCOU	E 1/8 - 1/4 (0.231 mi.)	V77	259
CON EDISON	W SIDE GRAND CONCOURSE	ENE 1/8 - 1/4 (0.243 mi.)	V85	275
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
G A L MFG CORP	50 E 153RD ST	W 0 - 1/8 (0.121 mi.)	H29	85
NYC YANKEE STADIUM	161 RIVER AVE	WNW 1/8 - 1/4 (0.149 mi.)	44	133

MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the MANIFEST list, as provided by EDR, and dated 12/31/2010 has revealed that there are 10 MANIFEST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RAYS CLEANERS	118 EAST 157TH STREET	SE 0 - 1/8 (0.064 mi.)	12	38
CONSOLIDATED EDISON	WALTON AVE & 157 ST	SE 0 - 1/8 (0.106 mi.)	E22	69
NYCTA - 161ST STREET STATION	161ST ST & RIVER AVE	NNE 1/8 - 1/4 (0.143 mi.)	K38	117
NYCT - JOSEPH J YANCEY	COR OF RIVER AVE & E 16	NNE 1/8 - 1/4 (0.143 mi.)	K40	124
BEVELL ROBIQU CLEANERS	886 GERARD AVE	NE 1/8 - 1/4 (0.177 mi.)	N53	168
CONSOLIDATED EDISON	E 153RD ST & GERARD AVE	S 1/8 - 1/4 (0.204 mi.)	69	231
B N CLEANERS	760 GRAND CONCOURSE	SE 1/8 - 1/4 (0.222 mi.)	U75	245
CON EDISON	W SIDE GRAND CONCOURSE	ENE 1/8 - 1/4 (0.243 mi.)	V85	275

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
G A L MFG CORP NYC YANKEE STADIUM	50 E 153RD ST 161 RIVER AVE	W 0 - 1/8 (0.121 mi.) WNW 1/8 - 1/4 (0.149 mi.)	H29 44	85 133

DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the DRYCLEANERS list, as provided by EDR, and dated 12/21/2010 has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BN CLEANERS	760 GRAND CONCOURSE	SE 1/8 - 1/4 (0.222 mi.)	U73	241

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 E DESIGNATION list, as provided by EDR, and dated 10/13/2010 has revealed that there are 6 E DESIGNATION sites within approximately 0.125 miles of the target property.

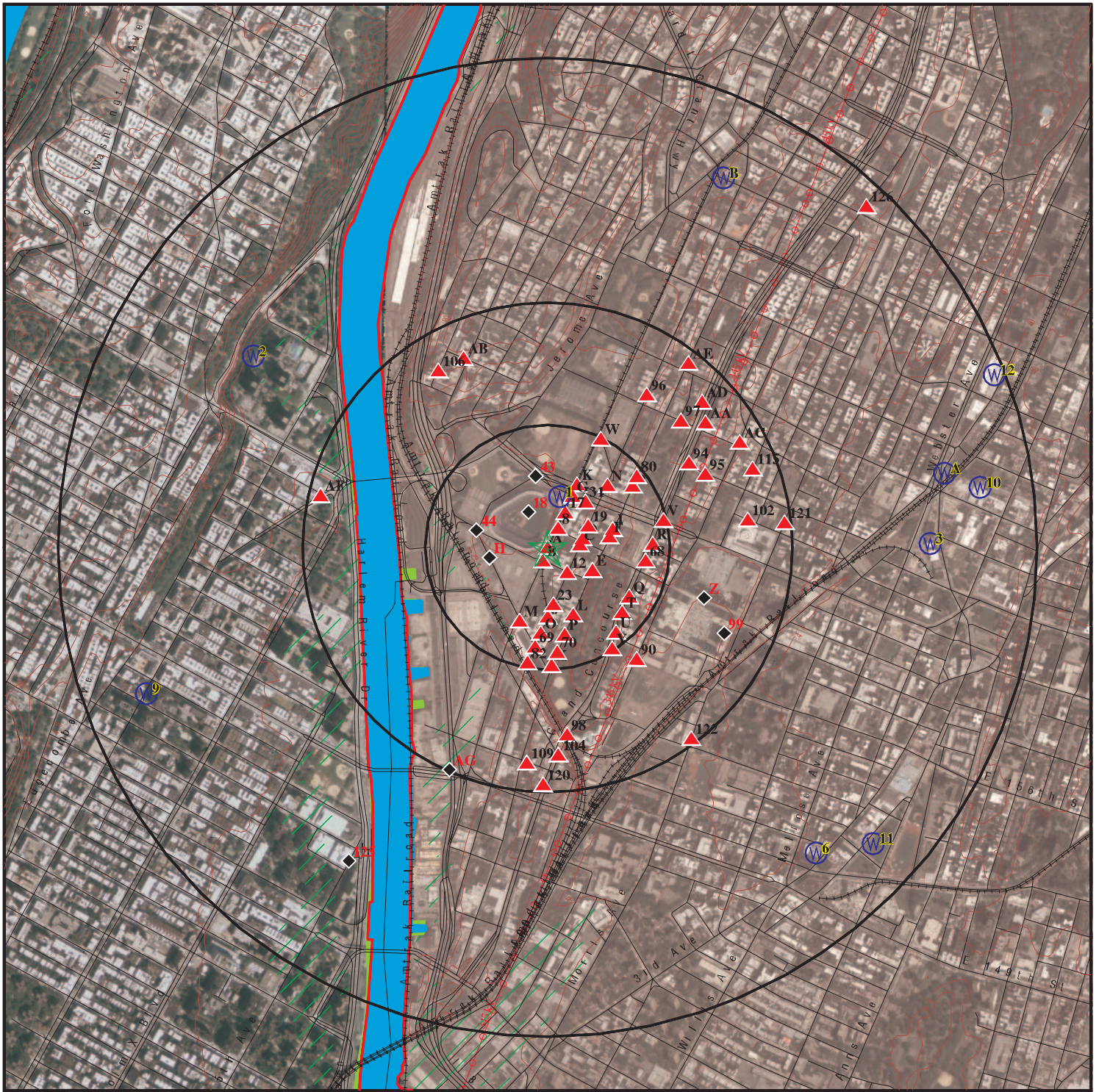
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LOT 32,TAXBLOCK 2483	830 RIVER AVENUE	NNE 0 - 1/8 (0.045 mi.)	8	26
LOT 68,TAXBLOCK 2483	87 EAST 158 STREET	ENE 0 - 1/8 (0.065 mi.)	D13	45
LOT 34,TAXBLOCK 2483	850 RIVER AVENUE	NNE 0 - 1/8 (0.081 mi.)	17	58
LOT 40,TAXBLOCK 2483	48 EAST 161 STREET	NNE 0 - 1/8 (0.117 mi.)	G25	75
LOT 44,TAXBLOCK 2483	58 EAST 161 STREET	NE 0 - 1/8 (0.120 mi.)	G27	80
LOT 45,TAXBLOCK 2483	62 EAST 161 STREET	NE 0 - 1/8 (0.122 mi.)	31	97

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name	Database(s)
SHELL OIL COMPANY	FINDS,MANIFEST,RCRA-NLR
NEW YORK CITY DOT	RCRA-SQG,MANIFEST,FINDS,MANIFEST
NEW YORK STATE THRUWAY AUTHORITY	FINDS,MANIFEST,RCRA-NLR
NYCHA - RANGEL HOUSE	FINDS,RCRA-NLR,MANIFEST
NYCDOT BIN 2229349	FINDS,MANIFEST,RCRA-NLR
NYSDOT BIN 1066220	RCRA-LQG
NYSDOT BIN 1077030	RCRA-LQG
NYSDOT BIN 1077050	RCRA-LQG
NYCDOT BRIDGE BIN 2241600	FINDS,RCRA-NLR
NEW YORK CITY OF WASHINGTON BRIDGE	FINDS,RCRA-NLR
NYSDOT CONTRACT D253182	FINDS,RCRA-NLR
MANHOLE 9580	SPILLS
TRAFFIC ACCIDENT	SPILLS
GETTY #258	SPILLS
GETTY#258	SPILLS
GETTY #258	SPILLS
GETTY 258	SPILLS
IFO TASK FORCE	SPILLS
258 GETTY STATION	SPILLS
DRUM RUN	SPILLS

OVERVIEW MAP - 3010859.2s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

⚙ Manufactured Gas Plants

☒ National Priority List Sites

☒ Dept. Defense Sites

Indian Reservations BIA

County Boundary

Power transmission lines

Oil & Gas pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

0 1/4 1/2 1 Miles

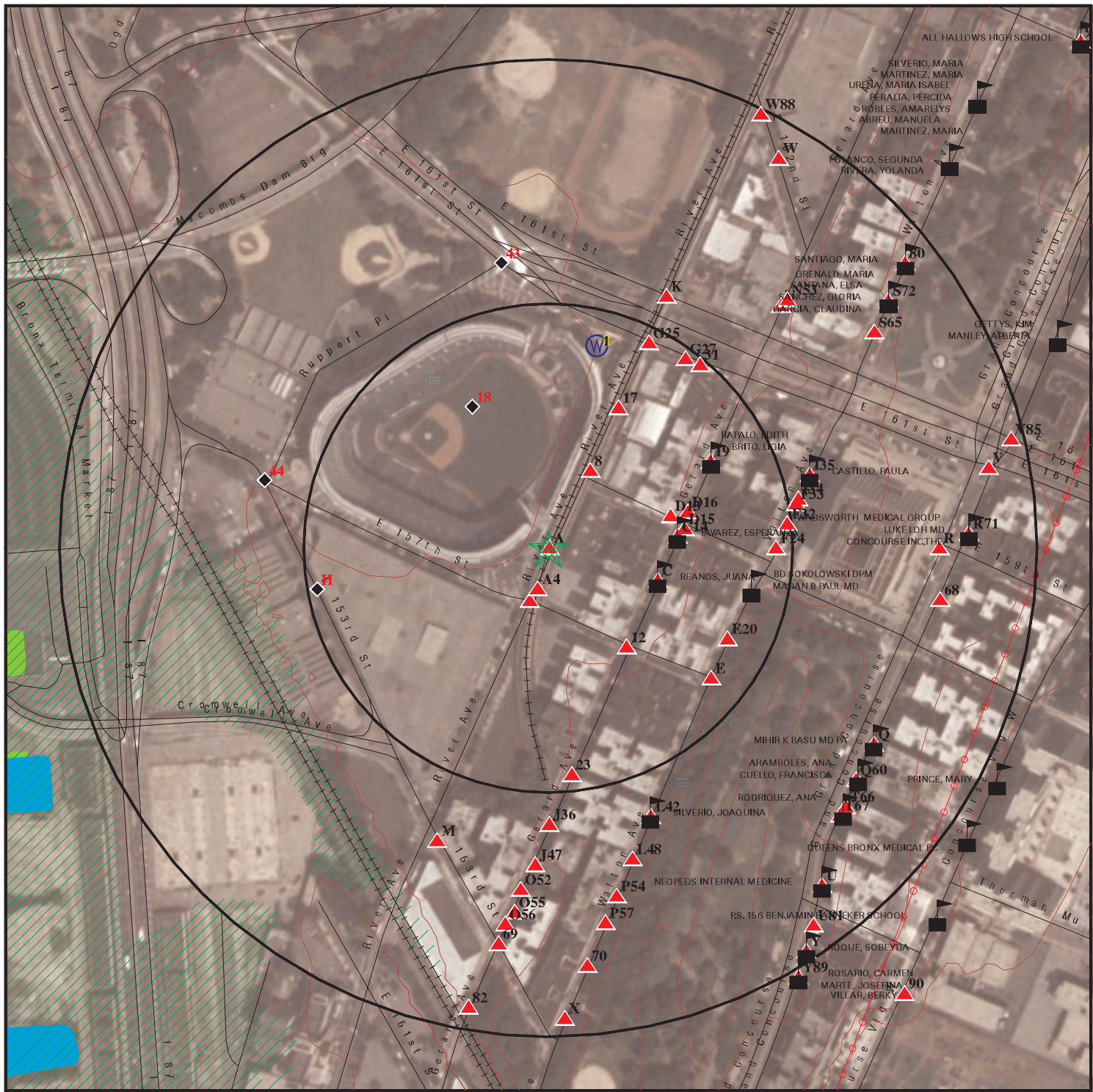


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 810 River Avenue, Bronx, New York
ADDRESS: 810 River Ave
Bronx NY 10451
LAT/LONG: 40.8261 / 73.9270

CLIENT: Hydro Tech Env. Corp.
CONTACT: Shana Cross
INQUIRY #: 3010859.2s
DATE: March 10, 2011 3:15 pm

DETAIL MAP - 3010859.2s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ Sensitive Receptors

■ National Priority List Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

■ Power transmission lines

■ Oil & Gas pipelines

■ 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: 810 River Avenue, Bronx, New York
ADDRESS: 810 River Ave
Bronx NY 10451
LAT/LONG: 40.8261 / 73.9270

CLIENT: Hydro Tech Env. Corp.
CONTACT: Shana Cross
INQUIRY #: 3010859.2s
DATE: March 10, 2011 3:15 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Federal NPL site list</i>								
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
<i>Federal Delisted NPL site list</i>								
Delisted NPL		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS		0.500	0	0	0	NR	NR	0
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS		1.000	0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	1	2	NR	NR	NR	3
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS		TP	NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS		1.000	0	0	0	2	NR	2
VAPOR REOPENED		1.000	0	0	0	2	NR	2
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF		0.500	0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LTANKS		0.500	3	7	33	NR	NR	43
HIST LTANKS		0.500	3	4	25	NR	NR	32
INDIAN LUST		0.500	0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
UST		0.250	2	10	NR	NR	NR	12

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CBS UST		0.250	0	0	NR	NR	NR	0
MOSF UST		0.500	0	0	0	NR	NR	0
AST		0.250	10	25	NR	NR	NR	35
CBS AST		0.250	1	0	NR	NR	NR	1
MOSF AST		0.500	0	0	0	NR	NR	0
CBS		0.250	1	0	NR	NR	NR	1
MOSF		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA UST		0.250	0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
ENG CONTROLS		0.500	0	0	1	NR	NR	1
INST CONTROL		0.500	0	0	1	NR	NR	1
RES DECL		0.125	0	NR	NR	NR	NR	0
<i>State and tribal voluntary cleanup sites</i>								
INDIAN VCP		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
<i>State and tribal Brownfields sites</i>								
ERP		0.500	0	0	0	NR	NR	0
BROWNFIELDS		0.500	0	0	1	NR	NR	1
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
SWTIRE		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US CDL	TP		NR	NR	NR	NR	NR	0
DEL SHWS	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
<i>Local Lists of Registered Storage Tanks</i>								
HIST UST	0.250		1	8	NR	NR	NR	9
HIST AST	TP		NR	NR	NR	NR	NR	0
<i>Local Land Records</i>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
NY Spills		0.125	6	NR	NR	NR	NR	6
NY Hist Spills		0.125	1	NR	NR	NR	NR	1
Other Ascertainable Records								
RCRA-NonGen		0.250	2	7	NR	NR	NR	9
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
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
HSWDS		0.500	0	0	0	NR	NR	0
UIC		TP	NR	NR	NR	NR	NR	0
MANIFEST		0.250	3	8	NR	NR	NR	11
DRYCLEANERS		0.250	0	1	NR	NR	NR	1
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
E DESIGNATION	X	0.125	6	NR	NR	NR	NR	6
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
FINANCIAL ASSURANCE		TP	NR	NR	NR	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1
Target
Property

LOT 5,TAXBLOCK 2483
810 RIVER AVENUE
BRONX, NY 10451

E DESIGNATION

S110092249
N/A

Site 1 of 4 in cluster A

Actual:
23 ft.

E DESIGNATION:
Tax Lot(s): 5
E-No: E-225
Effective Date: 9/30/2009
Satisfaction Date: Not reported
Ceqr Number: 09DCP024X
Ulurp Number: 090365ZMX
Zoning Map No: 3b 6a
Description: Window Wall Attenuation & Alternate Ventilation
Borough Code: BX
Community District: 204
Census Tract: 59.01
Census Block: 1003
School District: 07
City Council District: 17
Fire Company: E068
Health Area: 23
Police Precinct: 044
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: K2
Land Use Category: 05
Number of Easements: 0
Owner, Type of Code: Not reported
Owner Name: STROHMAYER REAL ESTCP
Lot Area: 000020000
Total Building Floor Area: 00000040000
Commercial Floor Area: 00000040000
Office Floor Area: 00000000000
Retail Floor Area: 00000040000
Garage Floor Area: 00000000000
Storage Floor Area: 00000000000
Factory Floor Area: 00000000000
Other Floor Area: 00000000000
Floor Area,Total Bld Source Code7
Number of Buildings: 00001
Number of Floors: 002.00
Residential Units: 00000
Non and Residential Units: 00003
Lot Frontage: 0200.00
Lot Depth: 0100.00
Building Frontage: 0200.00
Building Depth: 0100.00
Proximity Code: 1
Irregular Lot Code: N
Lot Type: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOT 5,TAXBLOCK 2483 (Continued)

S110092249

Basement Type Grade: 5
Land Assessed Value: 00000156600
Total Assessed Value: 00000576000
Land Exempt Value: 00000000000
Total Exempt Value: 00000000000
Year Built: 1927
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: 0002.00
Maximum Allowable Far: 02.00
Borough Code: 2
Borough Tax Block And Lot: 2024830005
Condominium Number: 00000
Census Tract 2: 005901
X Coordinate: 1004582
Y Coordinate: 0240288
Zoning Map: 06A
Sanborn Map: 210S004
Tax Map: 20907
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): 5
E-No: E-225
Effective Date: 9/30/2009
Satisfaction Date: Not reported
Ceqr Number: 09DCP024X
Ulurp Number: 090365ZMX
Zoning Map No: 3b 6a
Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Borough Code: BX
Community District: 204
Census Tract: 59.01
Census Block: 1003
School District: 07
City Council District: 17
Fire Company: E068
Health Area: 23
Police Precinct: 044
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOT 5,TAXBLOCK 2483 (Continued)

S110092249

All Components2: Not reported
Split Boundary Indicator: N
Building Class: K2
Land Use Category: 05
Number of Easements: 0
Owner, Type of Code: Not reported
Owner Name: STROHMAYER REAL ESTCP
Lot Area: 000020000
Total Building Floor Area: 00000040000
Commercial Floor Area: 00000040000
Office Floor Area: 00000000000
Retail Floor Area: 00000040000
Garage Floor Area: 00000000000
Storage Floor Area: 00000000000
Factory Floor Area: 00000000000
Other Floor Area: 00000000000
Floor Area,Total Bld Source Code7
Number of Buildings: 00001
Number of Floors: 002.00
Residential Units: 00000
Non and Residential Units: 00003
Lot Frontage: 0200.00
Lot Depth: 0100.00
Building Frontage: 0200.00
Building Depth: 0100.00
Proximity Code: 1
Irregular Lot Code: N
Lot Type: 3
Basement Type Grade: 5
Land Assessed Value: 00000156600
Total Assessed Value: 00000576000
Land Exempt Value: 00000000000
Total Exempt Value: 00000000000
Year Built: 1927
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: 0002.00
Maximum Allowable Far: 02.00
Borough Code: 2
Borough Tax Block And Lot: 2024830005
Condominium Number: 00000
Census Tract 2: 005901
X Coordinate: 1004582
Y Coordinate: 0240288
Zoning Map: 06A
Sanborn Map: 210S004
Tax Map: 20907
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOT 5,TAXBLOCK 2483 (Continued)

S110092249

Date of Mass Appraisal Data: 11/2005
Date of Political and Adm Data: 08/2005
Pluto-Base Map Indicator: 1

A2

**YANKEE STADIUM
800 RUPPERT PLACE
BRONX, NY 10451**

**LTANKS
HIST LTANKS
UST
HIST UST**

**U001833147
N/A**

**< 1/8
0.001 mi.
5 ft.**

Site 2 of 4 in cluster A

**Relative:
Equal**

LTANKS:

**Actual:
23 ft.**

Site ID: 304443
Spill No: 9813424
Spill Date: 2/2/1999
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.
Spill Closed Dt: Not reported
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 0301
Investigator: BKFALVEY
Referred To: Not reported
Reported to Dept: 2/2/1999
CID: 252
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: Penalty Not Recommended
UST Involvement: False
Remediation Phase: 1
Date Entered In Computer: 2/2/1999
Spill Record Last Update: 3/12/2010
Spiller Name: TOM GALLINGER
Spiller Company: YANKEE STADIUM
Spiller Address: 800 RUPPERT PL
Spiller City,St,Zip: BRONX, ZZ
Spiller County: 001
Spiller Contact: TOM GALLINGER
Spiller Phone: (914) 592-3117
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 4393
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was
"SANGESLAND" DORSON ENVIRONMENTAL TESTED TANKS #1 AND #2 ON 1/20/99
TANK #1 PAST, TANK #2 FAILED (CALLED IN THIS SPILL REPORT) ON 2/11/99
THE TOP OF TANK #2 WAS OPENED AND THE TANK WAS ISOLATED AND RETESTED
AND PASSED. THE FEED AND RETURN LINES TO TANK #2 WERE TESTED
INDIVIDUALLY AND THE RETURN LINE FAILED. TANK #2 WAS TAKEN OUT OF
SERVICE AND WILL REMAIN OUT OF SERVICE UNTIL THE RETURN LINE IS
REPAIRED IN THE FALL OF 1999. RECHECK IN FALL 1999 2/8/2000 CALL FROM
DORSON ENVIR SYSTEM TESTED ON 1/20/1999 #2 TANK SYSTEM FAILED SECOND
TEST (2/1/99) SEPARATED TANK AND LINES TANK #2 PAST, RETURN LINE ON
#2 LINE FAILED TANK #2 (SOUTHERN TANK) 3/1/2000 WILL EXPOSE TOP OF
TANK, PULLING OUT ALL PIPING AND INSTALL ALL NEW PIPING TANK #1 TANK
IS OK BUT CONTRACTOR IS GOING TO RIP OUT ALL PIPING AND UPGRADE ALL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YANKEE STADIUM (Continued)

U001833147

PIPES ON THIS TANK ALSO 8/22/05 - spoke with Tom Gallinger from Dorson Environmental (914-592-3117). Tank was retested and soil cleaned up. He is sending me info. Left follow message for Tom on 9/6-Tom to fax me something on 9/9. On 9/15, called Tom again since I received nothing. On 9/26, left a message w/secretary. 11/15/05 - sent letter to Tom G, asking for response in 30 days. 12/28/05 - since no response to 11/15/05 letter, spill to remain open. 9/16/06 - called Gorson Environmental. T. Gallinger no longer with company. Someone to get back to me regarding this. Records for case are located off-site. bf 11/8/06 bf: sent ttf letter to: Gabe Ramos NYC Dept. of Parks and Recreation 5-Boro Operation Randalls Island, NY 10035 11/13/06 Spoke to Michael Byrne of LiRo Engineers (718)321-3136 ext. 246. He referred me to Steve Asquith of LiRo Engineers(917)217-4765. He has an office at Yankee Stadium and will be working on the dismantling of the stadium. I told him that the tanks are overdue for tightness testing and in order to close the spill, the tanks need to be tested and pass. He referred me to Ben Kramer of NYC Parks (212)410-8353. I explained the Mr. Kramer about the requirement to have the tanks tested. He was not aware that that was a requirement and did not know how to have test done. I told him a contractor can do it and one can be found in the yellow pages and if he has a problem finding a contractor, to call me back. He said that he would get testing done in order to close out the spill. bf 11/14/06 Spoke to Mr. Kramer from NYC Parks. He told me one tank was closed. He referred me to Steve Asquith who referred me to Martin Wesolowski of LiRo. Phone: (718)321-3136 Fax: (718)321-3422. PBS closure application was not submitted for the closed tank. Faxed application to him. He will reply within next few days. bf 11/17/06 spoke to Mr. Kramer from Parks. Apparently, NY Yankees had had a tank tightness test done in 2006. He will fax the test results to me. bf. 12/1/06 received tank test for tank T-01. Tank passed. Still need to submit tank closure application for tank 002. Called Ben Kramer about this and he said he will check with Steve Asquith to submit the closure application. bf 6/21/07 received message from Martin Lozowlowski, consultant, (718)321-3136 ext. 242. Called him back and told him DEC needs clarification regarding the tank numbers, closure of tank 2, explain the 300 gallon loss noted above, and an application to reline tank 1. bf 3/12/10 Received message from Becky Kinal AKRF(914)922-2362 of AK. Tanks to be pulled at Tuesday. Samples taken on all sides and bottom of tanks every 20 feet. She will check that contractor sent PBS Notification Form. I told her that closure application must indicate both tanks removed since one is already closed in place. bf

Remarks:

WILL EXCAVATE TOP OF TANK AND RE-TEST ***APRIL 8, 1999 LETTER FROM DORSON ENVIRONMENTAL SAYS REPAIRS TO RETURN LINE WILL NOT BE MADE UNTIL FALL 1999. TANK #2 WILL REMAIN OUT OF SERVICE UNTIL THEN.*****

Material:

Site ID: 304443
Operable Unit ID: 1073869
Operable Unit: 01
Material ID: 310142
Material Code: 0001
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YANKEE STADIUM (Continued)

U001833147

Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

Site ID: 304443
Spill Tank Test: 1546803
Tank Number: 2
Tank Size: 15000
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 LTANKS:

Region of Spill: 2
Spill Number: 9813424
Spill Date: 02/02/1999
Spill Time: 14:00
Spill Cause: Tank Test Failure
Resource Affected: On Land
Water Affected: Not reported
Spill Source: Other Non Commercial/Industrial
Spill Class: Known release that creates potential for fire or hazard. DEC Response.
Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Cleanup Ceased: / /
Cleanup Meets Standard: False
Investigator: SANGESLAND
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 02/02/99
Reported to Department Time: 15:48
SWIS: 60
Spiller Contact: TOM GALLINGER
Spiller Phone: (914) 592-3117
Spiller Extension: Not reported
Spiller Name: YANKEE STADIUM
Spiller Address: 800 RUPPERT PL
Spiller City,St,Zip: BRONX
Spiller Cleanup Date: / /
Facility Contact: TOM GALLINGER
Facility Phone: (914) 592-3117
Facility Extension: Not reported
Spill Notifier: Tank Tester
PBS Number: 2-148121

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YANKEE STADIUM (Continued)

U001833147

Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 02/02/99
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 02/09/00
Is Updated: False

Tank:

PBS Number: Not reported
Tank Number: 2
Tank Size: 15000
Test Method: Horner EZ Check
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:

Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207

DEC Remarks: DORSON ENVIRONMENTAL TESTED TANKS 1 AND 2 ON 1/20/99 TANK 1 PAST, TANK 2 FAILED (CALLED IN THIS SPILL REPORT) ON 2/11/99 THE TOP OF TANK 2 WAS OPENED AND THE TANK WAS ISOLATED AND RETESTED AND PASSED. THE FEED AND RETURN LINES TO TANK 2 WERE TESTED INDIVIDUALLY AND THE RETURN LINE FAILED. TANK 2 WAS TAKEN OUT OF SERVICE AND WILL REMAIN OUT OF SERVICE UNTIL THE RETURN LINE IS REPAIRED IN THE FALL OF 1999. RECHECK IN FALL 1999 2/8/2000 CALL FROM DORSON ENVIR SYSTEM TESTED ON 1/20/1999 2 TANK SYSTEM FAILED SECOND TEST 2/1/99) SEPARATED TANK AND LINES TANK 2 PAST, RETURN LINE ON 2 LINE FAILED TANK 2 SOUTHERN TANK) 3/1/2000 WILL EXPOSE TOP OF TANK, PULLING OUT ALL PIPING AND INSTALL ALL NEW PIPING TANK 1 TANK IS OK BUT CONTRACTOR IS GOING TO RIP OUT ALL PIPING AND UPGRADE ALL PIPES ON THIS TANK ALSO
Spill Cause: WILL EXCAVATE TOP OF TANK AND RE-TEST ***APRIL 8, 1999 LETTER FROM DORSON ENVIRONMENTAL SAYS REPAIRS TO RETURN LINE WILL NOT BE MADE UNTIL FALL 1999. TANK 2 WILL REMAIN OUT OF SERVICE UNTIL THEN.*****

UST:

Facility Id: 2-148121
Region: STATE
DEC Region: 2
Site Status: Active
Program Type: PBS
Expiration Date: 2012/07/10
UTM X: 590279.125
UTM Y: 4520134.5

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YANKEE STADIUM (Continued)

U001833147

Affiliation Records:

Site Id:	4396
Affiliation Type:	On-Site Operator
Company Name:	YANKEE STADIUM
Contact Type:	Not reported
Contact Name:	ANTHONY RIZZO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 992-1634
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/6/2009
Site Id:	4396
Affiliation Type:	Mail Contact
Company Name:	NYC DEPT OF PARKS & RECREATION
Contact Type:	Not reported
Contact Name:	ANTHONY RIZZO
Address1:	5 BORO TECHNICAL SERVICES
Address2:	RANDALLS ISLAND
City:	NEW YORK
State:	NY
Zip Code:	10035
Country Code:	001
Phone:	(212) 410-8311
Phone Ext:	Not reported
Email:	ANTHONY.RIZZO@PARKS.NYC.GOV
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/6/2009
Site Id:	4396
Affiliation Type:	Emergency Contact
Company Name:	NYC DEPT OF PARKS & RECREATION
Contact Type:	Not reported
Contact Name:	ANTHONY RIZZO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 217-9553
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/6/2009
Site Id:	4396
Affiliation Type:	Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YANKEE STADIUM (Continued)

U001833147

Company Name: NYC DEPT OF PARKS & RECREATION
Contact Type: Not reported
Contact Name: Not reported
Address1: THE ARSENAL CENTRAL PARK
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10021
Country Code: 001
Phone: (212) 360-8111
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 1/6/2009

Tank Info:

Site ID: 4396

Tank Number: 001
Tank ID: 8023
Tank Status: Closed - In Place
Tank Model: Not reported
Pipe Model: Not reported
Install Date: 4/1/1975
Capacity Gallons: 15000
Tightness Test Method: 21
Next Test Date: Not reported
Date Tank Closed: 1/29/2008
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: 12/20/2005
Register: True
Modified By: NRLOMBAR
Last Modified: 1/6/2009

Site ID: 4396

Tank Number: 002
Tank ID: 8024
Tank Status: In Service
Tank Model: Not reported
Pipe Model: Not reported
Install Date: 4/1/1975
Capacity Gallons: 15000
Tightness Test Method: 21
Next Test Date: 2/14/2012
Date Tank Closed: Not reported
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: 2/14/2007
Register: True
Modified By: dxliving
Last Modified: 3/17/2008

HIST UST:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YANKEE STADIUM (Continued)

U001833147

PBS Number: 2-148121
SPDES Number: Not reported
Emergency Contact: COSMO J MARGALOTTI
Emergency Telephone: (718) 699-4220
Operator: JOHN W BAHR
Operator Telephone: (212) 293-4300
Owner Name: N Y C DEPT OF PARKS RECREATION
Owner Address: THE ARSENAL CENTRAL PARK
Owner City,St,Zip: NEW YORK, NY 10021
Owner Telephone: (212) 360-8111
Owner Type: Not reported
Owner Subtype: Not reported
Mailing Name: N Y C DEPT OF PARKS RECREATION
Mailing Address: THE ARSENAL CENTRAL PARK
Mailing Address 2: Not reported
Mailing City,St,Zip: NEW YORK, NY 10021
Mailing Contact: Not reported
Mailing Telephone: (212) 360-8111
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: 800 RUPPERT PLACE
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: 06/25/1999
Expiration Date: 07/10/1992
Renew Flag: False
Renewal Date: Not reported
Total Capacity: 30000
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: 19750401
Capacity (gals): 15000
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YANKEE STADIUM (Continued)

U001833147

Pipe Type: GALVANIZED STEEL
Pipe Internal: Not reported
Pipe External: Not reported
Second Containment: Vault (w/o access)
Leak Detection: Other
Overfill Prot: Product Level Gauge
Dispenser: Suction
Date Tested: 01/01/1999
Next Test Date: 01/01/2004
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Horner EZ Check
Deleted: False
Updated: True
Lat/long: Not reported

Tank Id: 002
Tank Location: UNDERGROUND
Tank Status: In Service
Install Date: 19750401
Capacity (gals): 15000
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: GALVANIZED STEEL
Pipe Internal: Not reported
Pipe External: Not reported
Second Containment: Vault (w/o access)
Leak Detection: Other
Overfill Prot: Product Level Gauge
Dispenser: Suction
Date Tested: 01/01/1999
Next Test Date: 01/01/2004
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Horner EZ Check
Deleted: False
Updated: True
Lat/long: Not reported

A3 **YANKEE STADIUM 800 RUPERT PLACE**
YANKEE STADIUM 800 RUPERT PLACE
BRONX, NY
Site 3 of 4 in cluster A

ERNS 94356941
N/A

< 1/8
0.001 mi.
5 ft.

Relative:
Equal

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual:
23 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A4
SSW
< 1/8
0.021 mi.
112 ft.
RIVER AVE PARKS
802 RIVER AVENUE
BRONX, NY 10451
Site 4 of 4 in cluster A

UST **U004151154**
N/A

Relative:
Higher

UST:

Actual:
26 ft.

Facility Id: 2-611305
Region: STATE
DEC Region: 2
Site Status: Unregulated
Program Type: PBS
Expiration Date: N/A
UTM X: 590475.99716999999
UTM Y: 4519972.21459

Affiliation Records:

Site Id: 426830
Affiliation Type: On-Site Operator
Company Name: RIVER AVE PARKS
Contact Type: Not reported
Contact Name: N/A
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 760-6676
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 3/30/2010

Site Id: 426830
Affiliation Type: Owner
Company Name: NYC DEPT OF PARKS AND REC
Contact Type: CHIEF ENGR
Contact Name: JOHN NATOLI
Address1: OLMSTED CTR , CORONA PARK
Address2: Not reported
City: FLUSHING
State: NY
Zip Code: 11368
Country Code: 001
Phone: (718) 760-6676
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 3/30/2010

Site Id: 426830
Affiliation Type: Mail Contact
Company Name: AARCO
Contact Type: Not reported
Contact Name: COLLEEN HIGGISON
Address1: 50 GEAR AVE
Address2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVER AVE PARKS (Continued)

U004151154

City: LINDENHURST
State: NY
Zip Code: 11757
Country Code: 001
Phone: Not reported
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 3/30/2010

Site Id: 426830
Affiliation Type: Emergency Contact
Company Name: NYC DEPT OF PARKS AND REC
Contact Type: Not reported
Contact Name: FRANK MCCUE
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 760-6676
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 3/30/2010

Tank Info:

Site ID: 426830

Tank Number: 001
Tank ID: 233630
Tank Status: Closed - Removed
Tank Model: Not reported
Pipe Model: Not reported
Install Date: Not reported
Capacity Gallons: 550
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 3/15/2010
Tank Location: 6
Tank Type: Steel/carbon steel
Date Test: Not reported
Register: True
Modified By: MSBAPTIS
Last Modified: 5/19/2010

Site ID: 426830

Tank Number: 002
Tank ID: 233631
Tank Status: Closed - Removed
Tank Model: Not reported
Pipe Model: Not reported
Install Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVER AVE PARKS (Continued)

U004151154

Capacity Gallons: 550
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 3/15/2010
Tank Location: 6
Tank Type: Steel/carbon steel
Date Test: Not reported
Register: True
Modified By: MSBAPTIS
Last Modified: 5/19/2010

Site ID: 426830

Tank Number: 003
Tank ID: 233632
Tank Status: Closed - Removed
Tank Model: Not reported
Pipe Model: Not reported
Install Date: Not reported
Capacity Gallons: 550
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 3/15/2010
Tank Location: 6
Tank Type: Steel/carbon steel
Date Test: Not reported
Register: True
Modified By: MSBAPTIS
Last Modified: 5/19/2010

Site ID: 426830

Tank Number: 004
Tank ID: 234400
Tank Status: Closed - Removed
Tank Model: Not reported
Pipe Model: Not reported
Install Date: Not reported
Capacity Gallons: 550
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 3/15/2010
Tank Location: 6
Tank Type: Steel/carbon steel
Date Test: Not reported
Register: True
Modified By: MSBAPTIS
Last Modified: 5/19/2010

Site ID: 426830

Tank Number: 005
Tank ID: 234401
Tank Status: Closed - Removed
Tank Model: Not reported
Pipe Model: Not reported
Install Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVER AVE PARKS (Continued)

U004151154

Capacity Gallons: 550
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 3/15/2010
Tank Location: 6
Tank Type: Steel/carbon steel
Date Test: Not reported
Register: True
Modified By: MSBAPTIS
Last Modified: 5/19/2010

**B5
SSW
< 1/8
0.028 mi.
149 ft.**

**VAULT 5082 E 157TH ST &
E 157TH ST & RIVER AV
BRONX, NY**

**NY Spills S106018457
N/A**

Site 1 of 3 in cluster B

**Relative:
Higher**

**Actual:
27 ft.**

NY Spills:
Site ID: 96940
Facility Addr2: Not reported
Facility ID: 0306717
Spill Number: 0306717
Facility Type: ER
SWIS: 0301
Investigator: AERODRIG
Referred To: Not reported
Spill Date: 9/25/2003
Reported to Dept: 9/25/2003
CID: 365
Spill Cause: Unknown
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: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.
Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 10/15/2003
Remediation Phase: 0
Date Entered In Computer: 9/25/2003
Spill Record Last Update: 10/27/2003
Spiller Name: Not reported
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller City,St,Zip: NY
Spiller Company: 999
Contact Name: Not reported
Contact Phone: Not reported
DEC Region: 2
DER Facility ID: 86419
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ" e2mis no. 150-487: 25-Sep-2003 11:30hrs found ~ 10 gallons of what appears to be cooking oil & grease on ~ 200 gallons of water in the vault. There is no sump pump in this vault and the liquid is below the weep holes to the adjacent vault. Crew took an

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VAULT 5082 E 157TH ST & (Continued)

S106018457

oil sample for PCB & ID. Aroclor 1242 < 1.0 ppm EPA 608/8082 Aroclor 1254 < 1.0 ppm EPA 608/8082 Aroclor 1248 < 1.0 ppm EPA 608/8082 Aroclor 1260 < 1.0 ppm EPA 608/8082 Approval Status: APPROVED
Approved By: James P. Hendricks Title: SUPERVISOR --End of Report--
Search for Results at: <http://q137lims/lims> L Fischer 55784
26-Sep-2003 05:00 hrs Flush Mechanic Esham Gafur (19528) reports CFS tanker took 100 gallons of liquid from V-5082. Vactor truck took 1/2 yard of solid debris from structure. Entire area was double washed with Bio-Gen 406. All waste water was taken up by CFS tanker. There is no sump or sewer connection. There is no visible source of oil in the structure. Environmental tag 28617 was pulled. Clean up is complete. L Fischer 55784 03-OCT-2003 23:58 Lab Results: Page 1 of 1
10/03/2003 Consolidated Edison Environment, Health and Safety ChemLab NY Lab ID No: 10380 Lab Sequence Number: 03-07961-001 Date Approved: 9/25/2003 E2 Incident Number: 150487 Date Received: 9/25/2003 Chain of Custody ID: CC15090 Date Sampled: 9/25/2003 Submitter: LAWRENCE C SUTHERLAND Job Site: 157 ST & RIVER AVE Email To: SUTHERLANDL@coned.com|EA-ChemLabReports|BX-WEST-LAB RESULTS| Cc To: DL - BX/WEST EH&S C.C.| MCCABEJA@coned.com| NOTE: The Submitter shall post and/or provide these results to all employees working with or in the vicinity of this substance. This report shall not be reproduced, except in full, without the written consent of EH&S. Test results are representative only of submitted samples. Oil Identification Analysis by NYSDOH 310-13 (Hydrocarbon Scan) MATRIX: WATER&OIL GRAB LOCATION: 157 ST & RIVER AVE STRUCTURE: VAULT 5082 FEEDER ID: EQUIPMENT: NA SERIAL #: H389182 Insufficient amount of sample extracted to perform oil identification.

Remarks: UNK OIL ON WATER IN VAULT - SAMPLES TAKEN - CLEAN UP PENDING - 200 GAL OF WATER - REF #150487

Material:

Site ID: 96940
Operable Unit ID: 873145
Operable Unit: 01
Material ID: 503908
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum
Quantity: 10
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

B6
SSW
< 1/8
0.028 mi.
149 ft.

YANKEE STADIUM PARKING LOT
RIVER AVE/ EAST 157TH ST
BRONX, NY

NY Spills S106970704
N/A

Site 2 of 3 in cluster B

Relative:
Higher

Actual:
27 ft.

NY Spills:
Site ID: 349381
Facility Addr2: Not reported
Facility ID: 0504523
Spill Number: 0504523
Facility Type: ER
SWIS: 0301
Investigator: AAOBLIGA
Referred To: RAWP APPROVED 10/6/09
Spill Date: 7/15/2005
Reported to Dept: 7/15/2005
CID: 409
Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Railroad Car
Spill Notifier: Local Agency
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Not reported
Spill Closed Dt: Not Closed
Remediation Phase: 1
Date Entered In Computer: 7/15/2005
Spill Record Last Update: 6/15/2010
Spiller Name: UNKNOWN
Spiller Company: UNKNOWN, 3RD PARTY SPILL
Spiller Address: UNKNOWN
Spiller City,St,Zip: UNKNOWN, ZZ
Spiller Company: 001
Contact Name: BECKY KINAL
Contact Phone: (914) 949-7336
DEC Region: 2
DER Facility ID: 295819
DEC Memo: 7/1/05. J.Krimgold spoke to Becky Kinal (AKRF) they did a Phase 2 for a potential buyer. She will submit analytical and a site map within next 2 weeks. 04/13/06- Case was transferred from Jake Krimgold to Koon Tang. 11/24/08 - Carlson: Emailed David Carlson at NYS Park Department (David.Carlson@parks.nyc.gov) to submit any sampling data they have completed. Received email from David Carlson - Parks Dept. project managers are Frank McCue (718-760-6676) and Patricia Clark. 12/3/08 - Carlson: Received Phase II workplan, but not final report. Final Phase II report must be reviewed before additional requirements can be determined. 12/12/08 - Carlson: Received Subsurface Phase II Investigation Report dated September 2005. VOCs and SVOCS noted in soil and groundwater. Geophysical anomaly noted in parking lot #6. Laboratory analyticals were not included in the copy of the report I received. Left voice message for Becky Kinal AKRF - can she submit laboratory analyticals? 12/15/08 - Carlson: Spoke to Becky Kinal at AKRF, requested lab analyticals and Phase 1 with Sanborns. She will contact Parks and get back to me. Patricia Clark p 718.760.6718 e patricia.clark@parks.nyc.gov New York City Parks & Recreation Olmsted

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YANKEE STADIUM PARKING LOT (Continued)

S106970704

Center Flushing Meadow Park Flushing, NY 11368 12/24/08 - Carlson: Spoke to Becky Kinal, requested documents were sent to Patricia Clark at Parks. Left voice message with Patricia Clark to followup on status of requested documents. 1/7/09 - Obligado - This case was transferred from Carlson to Obligado as per Tibbe. 1/8/09 - Obligado - Spoke to Patricia Clark. No imminent plans to start construction. They are planning to first further investigate spill and then submit remedial strategy. 1/12/09 - Obligado - Sent Stipulation Agreement to Patricia Clark. Require signature within 30 days. RIWP required within 15 days of execution of Agreement. 1/23/09 - Obligado - STIP executed by Department. 1/27/09 - Obligado - Met Kevin McCarty of HDR on-site to recon site and discuss workplan. UPon arrival, contractors were performing GPR survey to locate potential utilities and former UST and piping locations. 2/17/09 - Obligado - RIWP received by Deparmtent 2/25/09 - Obligado - Completed review of RIWP and called Kevin McCarty of HDR. Provided some minor DEC required changes to workplan. He will resubmit the plan with the changes. 3/16/09 - Obligado - Completed review of modified RIWP. Sent approval letter to Patricia Clark at Parks and Rec with ec to Emil Martow (EDC). 6/2/09 - Obligado - Meeting between DEC (Obligado, Tibbe, Mattei, Brevdo, Harrington, Morenzi)HDR (Stowe, McCarty), NYCDPR (McCue), and NYCDPR Capital (Rowland). HDR presented the initial findings of the remedial investigations and proposed a conceptual RAWP for Air Sparge SVE for lot 6 and enhanced Bioremediation for Lot 5. They will submit a formal RI/RAWP. DEC asked for the RAWP to include a remedial alternatives analysis. DEC requests a pilot test to confirm AS/SVE is viable. 7/13/09 - Obligado - Email from McCarty. They will submit Draft RAWP via pdf for comments. 8/3/09 - Obligado - Conference call with HDR Kevin McCarty and DEC Obligado and Tibbe to discuss RAWP. DEC provided comments/revisions. 9/9/09 - Obligado RI/RAWP submitted. 9/25/09 - Obligado - Called McCarty to discuss a few comments on the RAWP 10/06/09 - Obligado - McCarty submists Addendum letter with some modifications. DEC Sends RI/RAWP approval letter. 11/6/09 - Obligado - I spoke with Kevin McCARTy. When they were installing wells at Lot 5 they encountered a void at 11 ft. Possibly a tank They installed a shallow well and found product in it. They installed deeper well next to in down to the water and found product as well. They will install 6 more wells around the wells with the product, 5 feet away. they will start recovering product weekly. 11/16/10 - Obligado - Email from Kevin - they identified the product to be fuel oil. 1/5/10- Obligado - I met Kevin McCarty at the site with Frank McCue from Parks and Helen from DER. I inspected the area where the wells were. I asked Kevin to do test pits in that area to see what is down there, to confirm there are no tanks. They will schedule the work. 2/5/10 - Obligado - Email from Kevin, the test pit is scheduled for 2/8. 2/10/10 - Obligado - I received an email from Kevin. They did the test pits and there were indeed tanks. They found at least 3. I emailed Kevin back and requested a tank removal work plan to take the tanks out. 3/10/10 - Obligado - Kevin submits a tank removal work plan memo, describing the work that will be done. 3/11/10 - Obligado - Mark and I provided some comments on the work plan. 3/12/10 - Obligado - The work plan memo was resubmitted and addressed all my comments. They will begin on Monday. 4/20/10 - Obligado - HDR submits UST Removal Report.

Remarks:

FOUND CONTAMINATED SOIL IN A PARKING LOT. FOUND DURING INVESTIGSTION

Material:

Site ID:

349381

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YANKEE STADIUM PARKING LOT (Continued)

S106970704

Operable Unit ID: 1106976
Operable Unit: 01
Material ID: 2096300
Material Code: 0064A
Material Name: UNKNOWN MATERIAL
Case No.: Not reported
Material FA: Other
Quantity: Not reported
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

B7
SSW
< 1/8
0.028 mi.
149 ft.

E 157TH ST/RIVER AVE
BRONX, NY

NY Spills S106018525
N/A

Site 3 of 3 in cluster B

Relative:
Higher

NY Spills:

Actual:
27 ft.

Site ID: 305713
Facility Addr2: Not reported
Facility ID: 0306819
Spill Number: 0306819
Facility Type: ER
SWIS: 0301
Investigator: TJDEMEO
Referred To: Not reported
Spill Date: 9/29/2003
Reported to Dept: 9/29/2003
CID: 281
Spill Cause: Unknown
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Police Department
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.
Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 9/29/2003
Remediation Phase: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S106018525

Date Entered In Computer: 9/29/2003
Spill Record Last Update: 9/29/2003
Spiller Name: Not reported
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller City,St,Zip: NY
Spiller Company: 999
Contact Name: OFFICER TAPIA
Contact Phone: (646) 610-5580
DEC Region: 2
DER Facility ID: 246953
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO" Duplicate report to spill # 0306814 This spill closed
Remarks: Police department discovered above material at above locatio. NYC fire department has been contacted and is responding. No further information available at time of call.

Material:
Site ID: 305713
Operable Unit ID: 873363
Operable Unit: 01
Material ID: 562797
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:
Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

8
NNE
< 1/8
0.045 mi.
240 ft.

LOT 32,TAXBLOCK 2483
830 RIVER AVENUE
BRONX, NY 10451

E DESIGNATION S110092231
N/A

Relative:
Higher

E DESIGNATION:
Tax Lot(s): 32
E-No: E-225
Effective Date: 9/30/2009
Satisfaction Date: Not reported
Ceqr Number: 09DCP024X
Ulurp Number: 090365ZMX

Actual:
26 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOT 32,TAXBLOCK 2483 (Continued)

S110092231

Zoning Map No: 3b 6a
Description: Exhaust stack location limitations
Borough Code: BX
Community District: 204
Census Tract: 59.01
Census Block: 1002
School District: 07
City Council District: 17
Fire Company: E068
Health Area: 23
Police Precinct: 044
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: K2
Land Use Category: 05
Number of Easements: 0
Owner, Type of Code: Not reported
Owner Name: BCLSS RLTY CORP
Lot Area: 000003948
Total Building Floor Area: 00000004740
Commercial Floor Area: 00000004740
Office Floor Area: 00000000000
Retail Floor Area: 00000004740
Garage Floor Area: 00000000000
Storage Floor Area: 00000000000
Factory Floor Area: 00000000000
Other Floor Area: 00000000000
Floor Area,Total Bld Source Code7
Number of Buildings: 00001
Number of Floors: 002.00
Residential Units: 00000
Non and Residential Units: 00003
Lot Frontage: 0131.60
Lot Depth: 0030.00
Building Frontage: 0079.00
Building Depth: 0030.00
Proximity Code: 2
Irregular Lot Code: N
Lot Type: 3
Basement Type Grade: 5
Land Assessed Value: 00000039510
Total Assessed Value: 00000144000
Land Exempt Value: 00000000000
Total Exempt Value: 00000000000
Year Built: 1966
Year Built Code: Not reported
Year Altered1: 0000
Year Altered2: 0000
Historic District Name: Not reported
Landmark Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOT 32,TAXBLOCK 2483 (Continued)

S110092231

Built Floor Area Ratio-Far: 0001.20
Maximum Allowable Far: 02.00
Borough Code: 2
Borough Tax Block And Lot: 2024830032
Condominium Number: 00000
Census Tract 2: 005901
X Coordinate: 1004635
Y Coordinate: 0240505
Zoning Map: 03B
Sanborn Map: 210S004
Tax Map: 20907
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): 32
E-No: E-225
Effective Date: 9/30/2009
Satisfaction Date: Not reported
Ceqr Number: 09DCP024X
Ulurp Number: 090365ZMX
Zoning Map No: 3b 6a
Description: Window Wall Attenuation & Alternate Ventilation
Borough Code: BX
Community District: 204
Census Tract: 59.01
Census Block: 1002
School District: 07
City Council District: 17
Fire Company: E068
Health Area: 23
Police Precinct: 044
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: K2
Land Use Category: 05
Number of Easements: 0
Owner, Type of Code: Not reported
Owner Name: BCLSS RLTY CORP
Lot Area: 000003948
Total Building Floor Area: 00000004740
Commercial Floor Area: 00000004740
Office Floor Area: 00000000000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOT 32,TAXBLOCK 2483 (Continued)

S110092231

Retail Floor Area: 00000004740
Garage Floor Area: 00000000000
Storage Floor Area: 00000000000
Factory Floor Area: 00000000000
Other Floor Area: 00000000000
Floor Area,Total Bld Source Code7
Number of Buildings: 00001
Number of Floors: 002.00
Residential Units: 00000
Non and Residential Units: 00003
Lot Frontage: 0131.60
Lot Depth: 0030.00
Building Frontage: 0079.00
Building Depth: 0030.00
Proximity Code: 2
Irregular Lot Code: N
Lot Type: 3
Basement Type Grade: 5
Land Assessed Value: 00000039510
Total Assessed Value: 00000144000
Land Exempt Value: 00000000000
Total Exempt Value: 00000000000
Year Built: 1966
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: 0001.20
Maximum Allowable Far: 02.00
Borough Code: 2
Borough Tax Block And Lot: 2024830032
Condominium Number: 00000
Census Tract 2: 005901
X Coordinate: 1004635
Y Coordinate: 0240505
Zoning Map: 03B
Sanborn Map: 210S004
Tax Map: 20907
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): 32
E-No: E-225
Effective Date: 9/30/2009
Satisfaction Date: Not reported
Ceqr Number: 09DCP024X
Ulurp Number: 090365ZMX
Zoning Map No: 3b 6a

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOT 32,TAXBLOCK 2483 (Continued)

S110092231

Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Borough Code:	BX
Community District:	204
Census Tract:	59.01
Census Block:	1002
School District:	07
City Council District:	17
Fire Company:	E068
Health Area:	23
Police Precinct:	044
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:	K2
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	BCLSS RLTY CORP
Lot Area:	000003948
Total Building Floor Area:	00000004740
Commercial Floor Area:	00000004740
Office Floor Area:	00000000000
Retail Floor Area:	00000004740
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code7	
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00003
Lot Frontage:	0131.60
Lot Depth:	0030.00
Building Frontage:	0079.00
Building Depth:	0030.00
Proximity Code:	2
Irregular Lot Code:	N
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000039510
Total Assessed Value:	00000144000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1966
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:	0001.20

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOT 32,TAXBLOCK 2483 (Continued)

S110092231

Maximum Allowable Far: 02.00
Borough Code: 2
Borough Tax Block And Lot: 2024830032
Condominium Number: 00000
Census Tract 2: 005901
X Coordinate: 1004635
Y Coordinate: 0240505
Zoning Map: 03B
Sanborn Map: 210S004
Tax Map: 20907
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

C9
ESE
< 1/8
0.058 mi.
308 ft.

APARTMENT HOUSE
815 GERARD AV
BRONX, NY
Site 1 of 4 in cluster C

LTANKS **S102662810**
HIST LTANKS **N/A**

Relative:
Higher

LTANKS:
Site ID: 210045
Spill No: 9612211
Spill Date: 1/10/1997
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.
Spill Closed Dt: 2/2/2004
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 0301
Investigator: RWAUSTIN
Referred To: Not reported
Reported to Dept: 1/10/1997
CID: 365
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: Penalty Not Recommended
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1/10/1997
Spill Record Last Update: 2/2/2004
Spiller Name: JIM CAREY
Spiller Company: CASTLE OIL
Spiller Address: 290 LOCUST AVE
Spiller City,St,Zip: BRONX, NY 10454-
Spiller County: 001
Spiller Contact: TOM WEBLER

Actual:
35 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

APARTMENT HOUSE (Continued)

S102662810

Spiller Phone: (718) 519-6900
Spiller Extension: Not reported
DEC Region: 2
DER Facility ID: 174129
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was
"AUSTIN" 2/2/04 - AUSTIN - SURF. SPILL - CLOSED - ORIG. ASSIGNED TO
ENGELHARDT - END
Remarks: TANK OVERFILL - CONTAINED IN ONE ROOM DOWN IN THE BASEMENT THEY HAVE
A CREW ENROUTE FOR CLEAN UP NOW

Material:
Site ID: 210045
Operable Unit ID: 1043727
Operable Unit: 01
Material ID: 340864
Material Code: 0003
Material Name: #6 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 50
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

HIST LTANKS:
Region of Spill: 2
Spill Number: 9612211
Spill Date: 01/10/1997
Spill Time: 17:57
Spill Cause: Tank Overfill
Resource Affectd: On Land
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.
Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Cleanup Ceased: / /
Cleanup Meets Standard: False
Investigator: ENGELHARDT
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

APARTMENT HOUSE (Continued)

S102662810

Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 01/10/97
Reported to Department Time: 18:57
SWIS: 60
Spiller Contact: TOM WEBLER
Spiller Phone: (718) 519-6900
Spiller Extension: Not reported
Spiller Name: CASTLE OIL
Spiller Address: 290 LOCUST AVE
Spiller City,St,Zip: BRONX, NY 10454-
Spiller Cleanup Date: / /
Facility Contact: JIM CAREY
Facility Phone: (718) 579-3414
Facility Extension: Not reported
Spill Notifier: Responsible Party
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 01/10/97
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 01/13/97
Is Updated: False

Tank:

PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:

Material Class Type: Petroleum
Quantity Spilled: 50
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #6 FUEL OIL
Class Type: #6 FUEL OIL
Times Material Entry In File: 2190
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Spill Cause: TANK OVERFILL - CONTAINED IN ONE ROOM DOWN IN THE BASEMENT THEY HAVE A CREW ENROUTE FOR CLEAN UP NOW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C10
ESE
< 1/8
0.058 mi.
308 ft.
GERARD PLAZA INC
815 GERARD AVE
BX, NY 10451
Site 2 of 4 in cluster C

AST
HIST AST
U003390912
N/A

Relative:
Higher

AST:

Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-332771
Program Type: PBS
UTM X: 590596.19756999996
UTM Y: 4519994.7257700004
Expiration Date: 2015/06/14

Actual:
35 ft.

Affiliation Records:

Site Id: 15765
Affiliation Type: Owner
Company Name: PARKASH 815 LLC
Contact Type: OWNER
Contact Name: PARKASH 815 LLC
Address1: 172-14 89 AVE
Address2: Not reported
City: JAMAICA
State: NY
Zip Code: 11432
Country Code: 001
Phone: (718) 658-0205
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 6/14/2005

Site Id: 15765
Affiliation Type: On-Site Operator
Company Name: 815 GERARD AVE
Contact Type: Not reported
Contact Name: SAMUEL M
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (646) 829-8025
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 4/19/2010

Site Id: 15765
Affiliation Type: Mail Contact
Company Name: PARKASH 815 LLC
Contact Type: Not reported
Contact Name: VED PARKASH
Address1: 172-14 89 AVE
Address2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GERARD PLAZA INC (Continued)

U003390912

City: JAMAICA
State: NY
Zip Code: 11432
Country Code: 001
Phone: (718) 658-0205
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 6/14/2005

Site Id: 15765
Affiliation Type: Emergency Contact
Company Name: PARKASH 815 LLC
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
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 6/14/2005

Tank Info:

Tank Number: 001
Tank Id: 20363
Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Tank Model: Not reported
Pipe Model: Not reported
Install Date: 1/1/1940
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: 4/19/2010

HIST AST:

PBS Number: 2-332771
SWIS Code: 6001
Operator: JUAN GARCIA
Facility Phone: (718) 519-6900
Facility Addr2: 815 GERARD AVE
Facility Type: APARTMENT BUILDING
Emergency: THOMAS F WEBCER

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GERARD PLAZA INC (Continued)

U003390912

Emergency Tel: (718) 519-6900
Old PBSNO: Not reported
Date Inspected: Not reported
Inspector: Not reported
Result of Inspection: Not reported
Owner Name: GERARD PLAZA INC
Owner Address: 330 E 204TH ST
Owner City,St,Zip: BX, NY 10467
Federal ID: Not reported
Owner Tel: (718) 519-6900
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Contact: THOMAS F. WEBLER
Mailing Name: GERARD PLAZA INC
Mailing Address: 330 E 204TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: BX, NY 10467
Mailing Telephone: (718) 519-6900
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: 08/05/1997
Expiration: 08/28/2002
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 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
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: Not reported
Leak Detection: 0
Overfill Protection: 4
Dispenser Method: Suction
Date Tested: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GERARD PLAZA INC (Continued)

U003390912

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

**C11
ESE
< 1/8
0.058 mi.
308 ft.**

**APARTMENT BUILDING
815 GERARD AVE
BRONX, NY
Site 3 of 4 in cluster C**

**NY Spills S106868083
N/A**

**Relative:
Higher**

**Actual:
35 ft.**

NY Spills:
Site ID: 343557
Facility Addr2: Not reported
Facility ID: 0500549
Spill Number: 0500549
Facility Type: ER
SWIS: 0301
Investigator: rmpiper
Referred To: Not reported
Spill Date: 4/13/2005
Reported to Dept: 4/13/2005
CID: 410
Spill Cause: Equipment Failure
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Affected Persons
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.
Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 3/7/2006
Remediation Phase: 0
Date Entered In Computer: 4/13/2005
Spill Record Last Update: 3/7/2006
Spiller Name: TOM WEBLER
Spiller Company: TWB MANAGMENT
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 001
Contact Name: RENE LEWIS
Contact Phone: (917) 299-7257
DEC Region: 2
DER Facility ID: 290096
DEC Memo: 4/13/05 Tipple spoke with Tom Webler from TWB Management and Renee Lewis from Eastmond, The leaking line is being replaced today by TWB's plumber, Eastmond will return 4/14/05 to conduct the spill cleanup. The oil release is contained in a concrete vaulted area below the courtyard. The oil is currently contained and will not impact anyone prior to Thursday's cleanup. 4/19/05 MT///Vaulted area cleaned by Eastmond///contamination remains under sidewalk 2/6/06-

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

APARTMENT BUILDING (Continued)

S106868083

Remarks: DEC Piper mailed old CSL letter to Mr. Thomas Webler TWB Management 3092 Hull Avenue Bronx, NY 10467 Mr. Ved Parkash - New owner as of May 24, 2005 Parkash 815 LLC 172-14 89th Ave Jamaica, NY 11432 2/9/06- DEC Piper received call from VEd stating he is not responsible. DECP iper left message to Ved stating that he has to contact the old owner and provide documentation of cleanup and he may be responsible for additional borings. Received call from Isaac at Eastmond, he will fax reciepts in next day. 3/7/06- DECP iper spoke w/ Tom Webler and reviewed package. Fill line replaced by third avenue plumbing and spill cleaned up by AL Eastmond. Closed. leaking fill line onto 15 feet fo sidewalk in a courtyard about 60 gallons looking into hiring to get spill cleaned up and get fill line repaired

Material:

Site ID: 343557
Operable Unit ID: 1102239
Operable Unit: 01
Material ID: 582459
Material Code: 0003
Material Name: #6 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 60
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

12
SE
< 1/8
0.064 mi.
340 ft.

RAYS CLEANERS
118 EAST 157TH STREET
BRONX, NY 10451

RCRA-NonGen **1004566626**
FINDS **NY0001003441**
MANIFEST

Relative:
Higher

RCRA-NonGen:
Date form received by agency: 01/01/2007
Facility name: RAYS CLEANERS
Facility address: 118 E 157TH ST
BRONX, NY 10451
EPA ID: NY0001003441
Mailing address: E 157TH ST
BRONX, NY 10451
Contact: RAMON CABRERA
Contact address: E 157TH ST

Actual:
37 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYS CLEANERS (Continued)

1004566626

BRONX, NY 10451
Contact country: US
Contact telephone: (718) 992-3534
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: RAMON R CABRERA
Owner/operator address: 224 E 164TH ST
BRONX, NY 10456
Owner/operator country: US
Owner/operator telephone: (718) 992-3534
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: RAMON R CABRERA
Owner/operator address: 224 E 164TH ST
BRONX, NY 10456
Owner/operator country: US
Owner/operator telephone: (718) 992-3534
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler accessibility indicator: Transferred to the program or state equivalent.

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: Unknown
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 01/01/2006
Facility name: RAYS CLEANERS
Classification: Not a generator, verified

Date form received by agency: 01/10/1995
Facility name: RAYS CLEANERS
Classification: Conditionally Exempt Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYS CLEANERS (Continued)

1004566626

Violation Status: No violations found

FINDS:

Registry ID: 110001597692

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

NY MANIFEST:

EPA ID: NY0001003441
Country: USA
Mailing Name: RAYS CLEANERS
Mailing Contact: RAMON CABRERA
Mailing Address: 118 E 157TH ST
Mailing Address 2: Not reported
Mailing City: BRONX
Mailing State: NY
Mailing Zip: 10451
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-292-4081

Document ID: NYC3930041
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: LP3931NY
Trans2 State ID: AR004
Generator Ship Date: 960313
Trans1 Recv Date: 960313
Trans2 Recv Date: 960319
TSD Site Recv Date: 960320
Part A Recv Date: 960325
Part B Recv Date: 960410
Generator EPA ID: NY0001003441
Trans1 EPA ID: ILD984908202

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAY'S CLEANERS (Continued)

1004566626

Trans2 EPA ID: ARD981908551
TSDF ID: OHD980587364
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00060
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 96

Document ID: NYC4313193
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NYLP3931
Trans2 State ID: PAAH0346
Generator Ship Date: 961115
Trans1 Recv Date: 961115
Trans2 Recv Date: 961119
TSD Site Recv Date: 961120
Part A Recv Date: 961129
Part B Recv Date: 961212
Generator EPA ID: NY0001003441
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: MOD095038998
TSDF ID: OHD980587364
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00195
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 96

Document ID: NYC3806998
Manifest Status: Completed copy
Trans1 State ID: LP3931NY
Trans2 State ID: Not reported
Generator Ship Date: 951219
Trans1 Recv Date: 951219
Trans2 Recv Date: Not reported
TSD Site Recv Date: 951219
Part A Recv Date: 960102
Part B Recv Date: 960104
Generator EPA ID: NY0001003441
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00060
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYS CLEANERS (Continued)

1004566626

Year: 95

Document ID: NYC4133733
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NYLP3931
Trans2 State ID: AR0042613
Generator Ship Date: 960604
Trans1 Recv Date: 960604
Trans2 Recv Date: 960607
TSD Site Recv Date: 960608
Part A Recv Date: 960625
Part B Recv Date: 960702
Generator EPA ID: NY0001003441
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: ARD981908551
TSDF ID: OHD980587364
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00060
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 96

Document ID: NYC3688020
Manifest Status: Completed copy
Trans1 State ID: LP3931NY
Trans2 State ID: Not reported
Generator Ship Date: 950928
Trans1 Recv Date: 950928
Trans2 Recv Date: Not reported
TSD Site Recv Date: 950928
Part A Recv Date: 951006
Part B Recv Date: 951006
Generator EPA ID: NY0001003441
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00060
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 95

Document ID: NYC4228582
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NYLP3931
Trans2 State ID: 1448BGOK
Generator Ship Date: 960829
Trans1 Recv Date: 960829

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAY'S CLEANERS (Continued)

1004566626

Trans2 Recv Date: 960906
TSD Site Recv Date: 960909
Part A Recv Date: 960910
Part B Recv Date: 960926
Generator EPA ID: NY0001003441
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: ARD981908551
TSD ID: OHD980587364
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00060
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 96

Document ID: NYC3428537
Manifest Status: Completed copy
Trans1 State ID: LP3931NY
Trans2 State ID: Not reported
Generator Ship Date: 950120
Trans1 Recv Date: 950120
Trans2 Recv Date: Not reported
TSD Site Recv Date: 950120
Part A Recv Date: 950201
Part B Recv Date: 950201
Generator EPA ID: NY0001003441
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSD ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 95

Document ID: NYC3584722
Manifest Status: Completed copy
Trans1 State ID: AM6252NY
Trans2 State ID: Not reported
Generator Ship Date: 950706
Trans1 Recv Date: 950706
Trans2 Recv Date: Not reported
TSD Site Recv Date: 950706
Part A Recv Date: 950717
Part B Recv Date: 950719
Generator EPA ID: NY0001003441
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSD ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAY'S CLEANERS (Continued)

1004566626

Quantity: 00060
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 95

Document ID: NYC3817361
Manifest Status: Completed copy
Trans1 State ID: AM6252NY
Trans2 State ID: Not reported
Generator Ship Date: 950411
Trans1 Recv Date: 950411
Trans2 Recv Date: Not reported
TSD Site Recv Date: 950411
Part A Recv Date: 950428
Part B Recv Date: 950421
Generator EPA ID: NY0001003441
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NYD980785760
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00070
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 95

Document ID: NYC5465250
Manifest Status: Not reported
Trans1 State ID: ILD984908202
Trans2 State ID: SCD987574647
Generator Ship Date: 12/16/1998
Trans1 Recv Date: 12/16/1998
Trans2 Recv Date: 12/24/1998
TSD Site Recv Date: 12/29/1998
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY0001003441
Trans1 EPA ID: OHD980587364
Trans2 EPA ID: Not reported
TSDF ID: JE4950NY
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00195
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 98

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D13
ENE
< 1/8
0.065 mi.
343 ft.
LOT 68,TAXBLOCK 2483
87 EAST 158 STREET
BRONX, NY 10451
Site 1 of 3 in cluster D

E DESIGNATION **S110092270**
N/A

Relative:
Higher

E DESIGNATION:

Actual:
37 ft.

Tax Lot(s): 68
E-No: E-225
Effective Date: 9/30/2009
Satisfaction Date: Not reported
Ceqr Number: 09DCP024X
Ulurp Number: 090365ZMX
Zoning Map No: 3b 6a
Description: Exhaust stack location limitations
Borough Code: BX
Community District: 204
Census Tract: 59.01
Census Block: 1002
School District: 07
City Council District: 17
Fire Company: E068
Health Area: 23
Police Precinct: 044
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: G1
Land Use Category: 10
Number of Easements: 0
Owner, Type of Code: Not reported
Owner Name: 85 EAST 158TH STREET
Lot Area: 000009800
Total Building Floor Area: 00000029400
Commercial Floor Area: 00000029400
Office Floor Area: 00000000000
Retail Floor Area: 00000000000
Garage Floor Area: 00000029400
Storage Floor Area: 00000000000
Factory Floor Area: 00000000000
Other Floor Area: 00000000000
Floor Area,Total Bld Source Code7
Number of Buildings: 00001
Number of Floors: 002.00
Residential Units: 00000
Non and Residential Units: 00001
Lot Frontage: 0077.00
Lot Depth: 0130.00
Building Frontage: 0077.00
Building Depth: 0130.00
Proximity Code: 2
Irregular Lot Code: Y
Lot Type: 5

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOT 68,TAXBLOCK 2483 (Continued)

S110092270

Basement Type Grade: 5
Land Assessed Value: 00000168750
Total Assessed Value: 00000571500
Land Exempt Value: 00000000000
Total Exempt Value: 00000000000
Year Built: 1927
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: 0003.00
Maximum Allowable Far: 02.00
Borough Code: 2
Borough Tax Block And Lot: 2024830068
Condominium Number: 00000
Census Tract 2: 005901
X Coordinate: 1004683
Y Coordinate: 0240484
Zoning Map: 03B
Sanborn Map: 210S004
Tax Map: 20907
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): 68
E-No: E-225
Effective Date: 9/30/2009
Satisfaction Date: Not reported
Ceqr Number: 09DCP024X
Ulurp Number: 090365ZMX
Zoning Map No: 3b 6a
Description: Window Wall Attenuation & Alternate Ventilation
Borough Code: BX
Community District: 204
Census Tract: 59.01
Census Block: 1002
School District: 07
City Council District: 17
Fire Company: E068
Health Area: 23
Police Precinct: 044
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOT 68,TAXBLOCK 2483 (Continued)

S110092270

All Components2: Not reported
Split Boundary Indicator: N
Building Class: G1
Land Use Category: 10
Number of Easements: 0
Owner, Type of Code: Not reported
Owner Name: 85 EAST 158TH STREET
Lot Area: 000009800
Total Building Floor Area: 00000029400
Commercial Floor Area: 00000029400
Office Floor Area: 00000000000
Retail Floor Area: 00000000000
Garage Floor Area: 00000029400
Storage Floor Area: 00000000000
Factory Floor Area: 00000000000
Other Floor Area: 00000000000
Floor Area,Total Bld Source Code7
Number of Buildings: 00001
Number of Floors: 002.00
Residential Units: 00000
Non and Residential Units: 00001
Lot Frontage: 0077.00
Lot Depth: 0130.00
Building Frontage: 0077.00
Building Depth: 0130.00
Proximity Code: 2
Irregular Lot Code: Y
Lot Type: 5
Basement Type Grade: 5
Land Assessed Value: 00000168750
Total Assessed Value: 00000571500
Land Exempt Value: 00000000000
Total Exempt Value: 00000000000
Year Built: 1927
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: 0003.00
Maximum Allowable Far: 02.00
Borough Code: 2
Borough Tax Block And Lot: 2024830068
Condominium Number: 00000
Census Tract 2: 005901
X Coordinate: 1004683
Y Coordinate: 0240484
Zoning Map: 03B
Sanborn Map: 210S004
Tax Map: 20907
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOT 68,TAXBLOCK 2483 (Continued)

S110092270

Date of Mass Appraisal Data: 11/2005
Date of Political and Adm Data: 08/2005
Pluto-Base Map Indicator: 1

Tax Lot(s): 68
E-No: E-225
Effective Date: 9/30/2009
Satisfaction Date: Not reported
Ceqr Number: 09DCP024X
Ulurp Number: 090365ZMX
Zoning Map No: 3b 6a
Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Borough Code: BX
Community District: 204
Census Tract: 59.01
Census Block: 1002
School District: 07
City Council District: 17
Fire Company: E068
Health Area: 23
Police Precinct: 044
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: G1
Land Use Category: 10
Number of Easements: 0
Owner, Type of Code: Not reported
Owner Name: 85 EAST 158TH STREET
Lot Area: 000009800
Total Building Floor Area: 00000029400
Commercial Floor Area: 00000029400
Office Floor Area: 00000000000
Retail Floor Area: 00000000000
Garage Floor Area: 00000029400
Storage Floor Area: 00000000000
Factory Floor Area: 00000000000
Other Floor Area: 00000000000
Floor Area,Total Bld Source Code7
Number of Buildings: 00001
Number of Floors: 002.00
Residential Units: 00000
Non and Residential Units: 00001
Lot Frontage: 0077.00
Lot Depth: 0130.00
Building Frontage: 0077.00
Building Depth: 0130.00
Proximity Code: 2
Irregular Lot Code: Y
Lot Type: 5
Basement Type Grade: 5

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOT 68,TAXBLOCK 2483 (Continued)

S110092270

Land Assessed Value: 00000168750
Total Assessed Value: 00000571500
Land Exempt Value: 00000000000
Total Exempt Value: 00000000000
Year Built: 1927
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: 0003.00
Maximum Allowable Far: 02.00
Borough Code: 2
Borough Tax Block And Lot: 2024830068
Condominium Number: 00000
Census Tract 2: 005901
X Coordinate: 1004683
Y Coordinate: 0240484
Zoning Map: 03B
Sanborn Map: 210S004
Tax Map: 20907
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

C14
East
< 1/8
0.066 mi.
350 ft.

VED PARKASH
825 GERARD AVENUE
BRONX, NY 10451

Site 4 of 4 in cluster C

AST **A100301629**
N/A

Relative:
Higher

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-145513
Program Type: PBS
UTM X: 590612.80949000001
UTM Y: 4520040.13276000004
Expiration Date: 2012/06/05

Actual:
37 ft.

Affiliation Records:
Site Id: 4169
Affiliation Type: On-Site Operator
Company Name: VED PARKASH
Contact Type: Not reported
Contact Name: VED PARKASH
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VED PARKASH (Continued)

A100301629

Zip Code: Not reported
Country Code: 999
Phone: (718) 658-0205
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: KAKYER
Date Last Modified: 4/25/2007

Site Id: 4169
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
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: KAKYER
Date Last Modified: 4/25/2007

Site Id: 4169
Affiliation Type: Mail Contact
Company Name: Not reported
Contact Type: Not reported
Contact Name: VED PARKASH
Address1: 172-14 89TH AVENUE
Address2: Not reported
City: JAMAICA
State: NY
Zip Code: 11432
Country Code: 001
Phone: (718) 739-3213
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: DXLIVING
Date Last Modified: 3/15/2007

Site Id: 4169
Affiliation Type: Owner
Company Name: VED PARKASH
Contact Type: MANAGING AGENT
Contact Name: ANURAG PARKASH
Address1: 172-14 89TH AVENUE
Address2: Not reported
City: JAMAICA
State: NY
Zip Code: 11432
Country Code: 001
Phone: (718) 658-0205

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VED PARKASH (Continued)

A100301629

Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 3/19/2007

Tank Info:

Tank Number: 001
Tank Id: 5628
Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Tank Model: Not reported
Pipe Model: Not reported
Install Date: 12/1/1949
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: TRANSLAT
Last Modified: 3/4/2004

D15
East
< 1/8
0.070 mi.
372 ft.

VARMA CO-OPER HOMES INC.
828 GERARD AVE
BX, NY 10451

AST **U003393167**
HIST AST **N/A**

Site 2 of 3 in cluster D

Relative:
Higher

AST:

Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-319376
Program Type: PBS
UTM X: 590611.24601999996
UTM Y: 4520035.8591600005
Expiration Date: 2012/10/23

Actual:
37 ft.

Affiliation Records:

Site Id: 14768
Affiliation Type: Emergency Contact
Company Name: VARMA CO-OPER HOMES ICN
Contact Type: Not reported
Contact Name: LEENA FRAYER PRES
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 665-4096
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: TRANSLAT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VARMA CO-OPER HOMES INC. (Continued)

U003393167

Date Last Modified: 3/4/2004

Site Id: 14768
Affiliation Type: Owner
Company Name: VARMA CO-OPER HOMES ICN
Contact Type: PRESIDENT
Contact Name: MAWA-LEENA FRAYER
Address1: 828 GERARD AVE
Address2: Not reported
City: BRONX
State: NY
Zip Code: 10451
Country Code: 001
Phone: (718) 665-9392
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: kakyer
Date Last Modified: 10/10/2007

Site Id: 14768
Affiliation Type: Mail Contact
Company Name: VARMA CO-OPER HOMES INC.
Contact Type: Not reported
Contact Name: Not reported
Address1: 828 GERARD AVE
Address2: Not reported
City: BRONX
State: NY
Zip Code: 10451
Country Code: 001
Phone: (718) 665-9392
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 12/14/2004

Site Id: 14768
Affiliation Type: On-Site Operator
Company Name: VARMA CO-OPER HOMES INC.
Contact Type: Not reported
Contact Name: PARTAB SINGH
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 665-9392
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VARMA CO-OPER HOMES INC. (Continued)

U003393167

Tank Info:

Tank Number: 001
Tank Id: 26132
Tank Location: 1
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Tank Model: Not reported
Pipe Model: Not reported
Install Date: 11/12/1987
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: kakyar
Last Modified: 10/10/2007

HIST AST:

PBS Number: 2-319376
SWIS Code: 6001
Operator: PARTAB SINGH
Facility Phone: (718) 665-9392
Facility Addr2: 828 GERARD AVE
Facility Type: APARTMENT BUILDING
Emergency: LEENA FRAYER PRES
Emergency Tel: (718) 665-4096
Old PBSNO: Not reported
Date Inspected: Not reported
Inspector: Not reported
Result of Inspection: Not reported
Owner Name: VARMA CO-OPER HOMES ICN
Owner Address: 828 GERARD AVE
Owner City,St,Zip: BRONX, NY 10451
Federal ID: Not reported
Owner Tel: (718) 665-9392
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Contact: Not reported
Mailing Name: VARMA CO-OPER HOMES INC.
Mailing Address: 828 GERARD AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: BXONX, NY 10451
Mailing Telephone: (718) 665-9392
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VARMA CO-OPER HOMES INC. (Continued)

U003393167

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 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

D16
ENE
< 1/8
0.074 mi.
392 ft.

831 GERARD
831 GERARD AVE
BX, NY 10451

Site 3 of 3 in cluster D

Relative:
Higher

AST:

Actual:
39 ft.

Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-198390
Program Type: PBS
UTM X: 590621.90569000004
UTM Y: 4520064.7095900001
Expiration Date: 2012/07/10

Affiliation Records:

Site Id: 6575
Affiliation Type: On-Site Operator
Company Name: 831 GERARD
Contact Type: Not reported

AST **U003387665**
HIST AST **N/A**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

831 GERARD (Continued)

U003387665

Contact Name: TONY OCASIO
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (718) 585-5992
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 6575
Affiliation Type: Mail Contact
Company Name: GERARD REALTY LLC
Contact Type: Not reported
Contact Name: RICHARD SCHARF
Address1: PO BOX 574
Address2: Not reported
City: CEDARHURST
State: NY
Zip Code: 11516
Country Code: 001
Phone: (718) 327-9640
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 6575
Affiliation Type: Owner
Company Name: GERARD REALTY LLC
Contact Type: MEMBER
Contact Name: RICHARD SCHARD
Address1: PO BOX 574
Address2: Not reported
City: CEDARHURST
State: NY
Zip Code: 11516
Country Code: 001
Phone: (718) 327-9640
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 7/24/2007

Site Id: 6575
Affiliation Type: Emergency Contact
Company Name: GERARD REALTY LLC
Contact Type: Not reported
Contact Name: MARTIN SCHARF
Address1: Not reported
Address2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

831 GERARD (Continued)

U003387665

City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (516) 569-7001
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Equipment Records:

F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
C00 - Pipe Location - No Piping
D01 - Pipe Type - Steel/Carbon Steel/Iron
L09 - Piping Leak Detection - Exempt Suction Piping
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None

Tank Info:

Tank Number: 001
Tank Id: 12353
Tank Location: 1
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Tank Model: Not reported
Pipe Model: Not reported
Install Date: 5/15/1961
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: KXTANG
Last Modified: 7/24/2007

HIST AST:

PBS Number: 2-198390
SWIS Code: 6001
Operator: TONY OCASIO
Facility Phone: (718) 585-5992
Facility Addr2: 831 GERARD AVE
Facility Type: APARTMENT BUILDING
Emergency: MARTIN SCHARF
Emergency Tel: (516) 569-7001
Old PBSNO: Not reported
Date Inspected: Not reported
Inspector: Not reported
Result of Inspection: Not reported
Owner Name: A SCHARF
Owner Address: PO BOX 574

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

831 GERARD (Continued)

U003387665

Owner City,St,Zip: CEDARHURST, NY 11516
Federal ID: Not reported
Owner Tel: (718) 327-9640
Owner Type: Private Resident
Owner Subtype: Not reported
Mailing Contact: ABRAHAM SCHARF
Mailing Name: A SCHARF
Mailing Address: PO BOX 574
Mailing Address 2: Not reported
Mailing City,St,Zip: CEDARHURST, NY 11516
Mailing Telephone: (718) 327-9640
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: 08/13/1997
Expiration: 07/10/2002
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 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

831 GERARD (Continued)

U003387665

Lat/Long: Not reported

17
NNE
< 1/8
0.081 mi.
425 ft.

**LOT 34,TAXBLOCK 2483
850 RIVER AVENUE
BRONX, NY 10451**

**E DESIGNATION S110092233
N/A**

**Relative:
Higher**

E DESIGNATION:

**Actual:
26 ft.**

Tax Lot(s): 34
E-No: E-225
Effective Date: 9/30/2009
Satisfaction Date: Not reported
Ceqr Number: 09DCP024X
Ulurp Number: 090365ZMX
Zoning Map No: 3b 6a
Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Borough Code: BX
Community District: 204
Census Tract: 59.01
Census Block: 1002
School District: 07
City Council District: 17
Fire Company: E068
Health Area: 23
Police Precinct: 044
Zone District 1: C8-3
Zone District 2: Not reported
Commercial Overlay1: C1-4
Commercial Overlay2: Not reported
Special Purpose District1: Not reported
Special Purpose District2: Not reported
All Components1: C1-4/C8-3
All Components2: Not reported
Split Boundary Indicator: N
Building Class: K9
Land Use Category: 05
Number of Easements: 0
Owner, Type of Code: Not reported
Owner Name: EAST 161 ASSETS CORP.
Lot Area: 000015017
Total Building Floor Area: 00000025000
Commercial Floor Area: 00000025000
Office Floor Area: 00000006000
Retail Floor Area: 00000005000
Garage Floor Area: 00000000000
Storage Floor Area: 00000000000
Factory Floor Area: 00000000000
Other Floor Area: 00000014000
Floor Area,Total Bld Source Code7
Number of Buildings: 00001
Number of Floors: 004.00
Residential Units: 00000
Non and Residential Units: 00005
Lot Frontage: 0124.15
Lot Depth: 0115.00
Building Frontage: 0120.00
Building Depth: 0110.00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LOT 34,TAXBLOCK 2483 (Continued)

S110092233

Proximity Code:	3
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000138150
Total Assessed Value:	00000423900
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1937
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:	0001.66
Maximum Allowable Far:	02.00
Borough Code:	2
Borough Tax Block And Lot:	2024830034
Condominium Number:	00000
Census Tract 2:	005901
X Coordinate:	1004728
Y Coordinate:	0240606
Zoning Map:	03B
Sanborn Map:	210S004
Tax Map:	20907
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):	34
E-No:	E-225
Effective Date:	9/30/2009
Satisfaction Date:	Not reported
Ceqr Number:	09DCP024X
Ulurp Number:	090365ZMX
Zoning Map No:	3b 6a
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	BX
Community District:	204
Census Tract:	59.01
Census Block:	1002
School District:	07
City Council District:	17
Fire Company:	E068
Health Area:	23
Police Precinct:	044
Zone District 1:	C8-3
Zone District 2:	Not reported
Commercial Overlay1:	C1-4
Commercial Overlay2:	Not reported

APPENDIX F
SOIL PROBE LOGS



Hydro Tech Environmental, Corp.

Main Office

2171 Jericho Turnpike, Suite 240
Commack, New York 11725
T (631) 462-5866 · F (631) 462-5877
www.hydrotechenvironmental.com

NYC Office

15 Ocean Avenue, 2nd Floor
Brooklyn, New York 11225
T (718) 636-0800 · F (718) 636-0900

Soil Probe Log

Job No: 110048

Date: 3/14/2011

Page: 1 of 1

Location: 810 River Avenue, Bronx, NY

Sampling Interval: 2 feet

Boring No.: SP-1

Sampling Method: Grab

Drilling Method: Direct Push

Driller: Elbio

Total Depth: 4 feet

Depth to Water: N/A

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below
Grade and
Lithology

PID Reading
(ppm)

USCS

Soil Description

0

0.0

SP

concrete/brown, med grained sandy loam with pebble sized clasts

-2

0.0

SP

brown, med grained sandy loam with pebble sized clasts

-4



Hydro Tech Environmental, Corp.

Main Office

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www.hydrotechenvironmental.com

NYC Office

15 Ocean Avenue, 2nd Floor
Brooklyn, New York 11225
T (718) 636-0800 · F (718) 636-0900

Soil Probe Log

Job No: 110048

Date: 3/14/2011

Page: 1 of 1

Location: 810 River Avenue, Bronx, NY

Sampling Interval: 2 feet

Boring No.: SP-2

Sampling Method: Grab

Drilling Method: Direct Push

Driller: Elbio

Total Depth: 4 feet

Depth to Water: N/A

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below
Grade and
Lithology

PID Reading
(ppm)

USCS

Soil Description

0

0.0

SP

concrete/brown, med grained sandy loam with pebble sized clasts

-2

0.0

SP

brown, med grained sandy loam with pebble sized clasts

-4



Hydro Tech Environmental, Corp.

Main Office

2171 Jericho Turnpike, Suite 240
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NYC Office

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Soil Probe Log

Job No: 110048

Date: 3/14/2011

Page: 1 of 1

Location: 810 River Avenue, Bronx, NY

Sampling Interval: 2 feet

Boring No.: SP-3

Sampling Method: Grab

Drilling Method: Direct Push

Driller: Elbio

Total Depth: 12 feet

Depth to Water: N/A

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below
Grade and
Lithology

PID Reading
(ppm)

USCS

Soil Description

0		0.0	SP	concrete/brown, med grained sandy loam with pebble sized clasts
-2		0.0	SP	brown, med grained sandy loam with pebble sized clasts
-4		0.0	SP	light brown, med grained sandy loam with pebble sized clasts
-6		0.0	SP	brown, med grained sandy loam with pebble sized clasts
-8		0.0	SP	brown, med grained sandy loam with pebble sized clasts
-10		0.0	SP	brown, med grained sandy loam with pebble sized clasts
-12		0.0	SP	brown, med grained sandy loam with pebble sized clasts



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Brooklyn, New York 11225
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Soil Probe Log

Job No: 110048

Date: 3/14/2011

Page: 1 of 1

Location: 810 River Avenue, Bronx, NY

Sampling Interval: 2 feet

Boring No.: SP-4

Sampling Method: Grab

Drilling Method: Direct Push

Driller: Elbio

Total Depth: 12 feet

Depth to Water: N/A

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below
Grade and
Lithology

PID Reading
(ppm)

USCS

Soil Description

0		0.0	SP	concrete/brown, med grained sandy loam with pebble sized clasts
-2		0.0	SP	brown, med grained sandy loam with pebble sized clasts
-4		0.0	SP	light brown, med grained sandy loam with pebble sized clasts
-6		0.0	SP	brown, med grained sandy loam with pebble sized clasts
-8		0.0	SP	brown, med grained sandy loam with pebble sized clasts
-10		0.0	SP	brown, med grained sandy loam with pebble sized clasts
-12		0.0	SP	brown, med grained sandy loam with pebble sized clasts



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Soil Probe Log

Job No: 110048

Date: 3/14/2011

Page: 1 of 1

Location: 810 River Avenue, Bronx, NY

Sampling Interval: 2 feet

Boring No.: SP-5

Sampling Method: Grab

Drilling Method: Direct Push

Driller: Elbio

Total Depth: 12 feet

Depth to Water: N/A

USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below
Grade and
Lithology

PID Reading
(ppm)

USCS

Soil Description

0	0.0	SP	concrete/brown, med grained sandy loam with pebble sized clasts
-2	0.0	SP	brown, med grained sandy loam with pebble sized clasts
-4	0.0	SP	light brown, med grained sandy loam with pebble sized clasts
-6	0.0	SP	brown, med grained sandy loam with pebble sized clasts
-8	0.0	SP	brown, med grained sandy loam with pebble sized clasts
-10	0.0	SP	brown, med grained sandy loam with pebble sized clasts
-12			

APPENDIX G
LABORATORY REPORTS



59-01 Central Ave.
Farmingdale, NY 11735

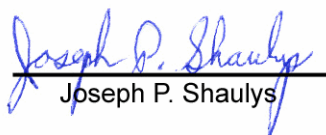
Tel: (631) 414-7685
Fax: (631) 414-7688

March 15, 2011

Carlos Quinonez
Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack, NY 11725
RE: 810 River Avenue, Bronx

Enclosed are the results of analyses for samples received by the laboratory on 03/14/11 14:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,


Joseph P. Shaulys

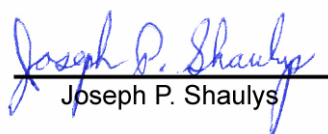
Analytical Chemists Laboratory, LLC
NY Lab ID #10950 NJ Lab ID #NY006 PA Lab ID #PA-68-04671 EPA Lab ID #NY01292



Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez**Reported:**
03/15/11 18:30**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-1 2'-4'	1103162-01	Soil	03/14/11 08:00	03/14/11 14:45
SP-2 2'-4'	1103162-02	Soil	03/14/11 08:00	03/14/11 14:45
SP-3 6'-8'	1103162-03	Soil	03/14/11 08:00	03/14/11 14:45
SP-4 8'-10'	1103162-04	Soil	03/14/11 08:00	03/14/11 14:45
SP-5 10'-12'	1103162-05	Soil	03/14/11 08:00	03/14/11 14:45
GP-1	1103162-06	Groundwater	03/11/11 08:00	03/14/11 14:45

Analytical Chemists Laboratory, LLC.


Joseph P. Shaulys

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Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725

Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez

Reported:
03/15/11 18:30

SP-1 2'-4'
1103162-01 (Soil)

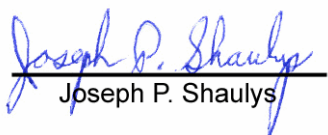
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.

VOA MS

Benzene	<1.13	1.13	ug/kg dry	VNS	03/14/11 22:08	SW 8260B	
Bromobenzene	<2.26	2.26	"	VNS	"	"	
Bromochloromethane	<1.13	1.13	"	VNS	"	"	
Bromodichloromethane	<5.66	5.66	"	VNS	"	"	
Bromoform	<1.13	1.13	"	VNS	"	"	
Bromomethane	<2.26	2.26	"	VNS	"	"	
sec-Butylbenzene	<1.13	1.13	"	VNS	"	"	
n-Butylbenzene	<1.13	1.13	"	VNS	"	"	
tert-Butylbenzene	<1.13	1.13	"	VNS	"	"	
Carbon Tetrachloride	<2.26	2.26	"	VNS	"	"	
Chlorobenzene	<1.13	1.13	"	VNS	"	"	
Chloroethane	<2.26	2.26	"	VNS	"	"	
Chloroform	<1.13	1.13	"	VNS	"	"	
Chloromethane	<2.26	2.26	"	VNS	"	"	
2-Chlorotoluene	<2.26	2.26	"	VNS	"	"	
4-Chlorotoluene	<2.26	2.26	"	VNS	"	"	
1,2-Dibromo-3-chloropropane	<2.26	2.26	"	VNS	"	"	
Dibromochloromethane	<5.66	5.66	"	VNS	"	"	
1,2-Dibromoethane	<2.26	2.26	"	VNS	"	"	
Dibromomethane	<1.13	1.13	"	VNS	"	"	
1,2-Dichlorobenzene	<1.13	1.13	"	VNS	"	"	
1,3-Dichlorobenzene	<2.26	2.26	"	VNS	"	"	
1,4-Dichlorobenzene	<1.13	1.13	"	VNS	"	"	
Dichlorodifluoromethane	<1.13	1.13	"	VNS	"	"	
1,1-Dichloroethane	<2.26	2.26	"	VNS	"	"	
1,2-Dichloroethane	<1.13	1.13	"	VNS	"	"	
1,1-Dichloroethene	<1.13	1.13	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.13	1.13	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.13	1.13	"	VNS	"	"	
1,3-Dichloropropane	<1.13	1.13	"	VNS	"	"	
2,2-Dichloropropane	<2.26	2.26	"	VNS	"	"	
1,2-Dichloropropane	<2.26	2.26	"	VNS	"	"	
trans-1,3-Dichloropropene	<1.13	1.13	"	VNS	"	"	
1,1-Dichloropropene	<2.26	2.26	"	VNS	"	"	
cis-1,3-Dichloropropene	<1.13	1.13	"	VNS	"	"	

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Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725

Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez

Reported:
03/15/11 18:30

SP-1 2'-4'
1103162-01 (Soil)

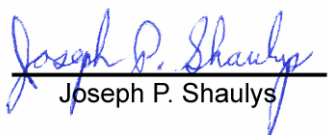
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.

VOA MS

Ethylbenzene	<2.26	2.26	ug/kg dry	VNS	03/14/11 22:08	SW 8260B	
Hexachlorobutadiene	<1.13	1.13	"	VNS	"	"	
Isopropylbenzene	<2.26	2.26	"	VNS	"	"	
4-Isopropyltoluene	<1.13	1.13	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.13	1.13	"	VNS	"	"	
Methylene Chloride	<11.3	11.3	"	VNS	"	"	
n-Propylbenzene	<2.26	2.26	"	VNS	"	"	
Styrene	<1.13	1.13	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.26	2.26	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.13	1.13	"	VNS	"	"	
Tetrachloroethene	<1.13	1.13	"	VNS	"	"	
Toluene	<1.13	1.13	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.13	1.13	"	VNS	"	"	
1,2,3-Trichlorobenzene	<2.26	2.26	"	VNS	"	"	
1,1,1-Trichloroethane	<1.13	1.13	"	VNS	"	"	
1,1,2-Trichloroethane	<2.26	2.26	"	VNS	"	"	
Trichloroethene	<1.13	1.13	"	VNS	"	"	
Trichlorofluoromethane	<1.13	1.13	"	VNS	"	"	
1,2,3-Trichloropropane	<5.66	5.66	"	VNS	"	"	
1,2,4-Trimethylbenzene	1.52	1.13	"	VNS	"	"	B
1,3,5-Trimethylbenzene	<1.13	1.13	"	VNS	"	"	
Vinyl chloride	<5.66	5.66	"	VNS	"	"	
o-Xylene	<1.13	1.13	"	VNS	"	"	
m,p-Xylene	<2.26	2.26	"	VNS	"	"	

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Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725

Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez

Reported:
03/15/11 18:30

SP-1 2'-4'
1103162-01 (Soil)

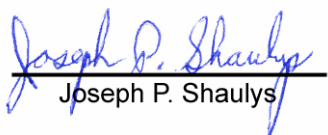
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.

SVOA MS

Acenaphthene	<113	113	ug/kg dry	mf	03/15/11 11:52	SW 8270C	
Acenaphthylene	<113	113	"	mf	"	"	
Anthracene	<226	226	"	mf	"	"	
Benzo (a) anthracene	<113	113	"	mf	"	"	
Benzo (a) pyrene	<113	113	"	mf	"	"	
Benzo (b) fluoranthene	<566	566	"	mf	"	"	
Benzo (g,h,i) perylene	<113	113	"	mf	"	"	
Benzo (k) fluoranthene	<226	226	"	mf	"	"	
4-Bromophenyl phenyl ether	<113	113	"	mf	"	"	
Butyl benzyl phthalate	<566	566	"	mf	"	"	
4-Chloroaniline	<566	566	"	mf	"	"	
Bis(2-chloroethoxy)methane	<226	226	"	mf	"	"	
Bis(2-chloroethyl)ether	<226	226	"	mf	"	"	
Bis(2-chloroisopropyl)ether	<226	226	"	mf	"	"	
2-Chloronaphthalene	<113	113	"	mf	"	"	
4-Chlorophenyl phenyl ether	<226	226	"	mf	"	"	
Chrysene	<226	226	"	mf	"	"	
Dibenz (a,h) anthracene	<226	226	"	mf	"	"	
Dibenzofuran	<566	566	"	mf	"	"	
Di-n-butyl phthalate	<226	226	"	mf	"	"	
1,2-Dichlorobenzene	<113	113	"	mf	"	"	
1,4-Dichlorobenzene	<226	226	"	mf	"	"	
1,3-Dichlorobenzene	<226	226	"	mf	"	"	
3,3'-Dichlorobenzidine	<566	566	"	mf	"	"	
Diethyl phthalate	<226	226	"	mf	"	"	
Dimethyl phthalate	<113	113	"	mf	"	"	
2,4-Dinitrotoluene	<226	226	"	mf	"	"	
2,6-Dinitrotoluene	<226	226	"	mf	"	"	
Di-n-octyl phthalate	<566	566	"	mf	"	"	
Bis(2-ethylhexyl)phthalate	474	226	"	mf	"	"	B
Fluoranthene	<113	113	"	mf	"	"	
Fluorene	<226	226	"	mf	"	"	
Hexachlorobenzene	<226	226	"	mf	"	"	
Hexachlorobutadiene	<226	226	"	mf	"	"	
Hexachlorocyclopentadiene	<1130	1130	"	mf	"	"	
Hexachloroethane	<226	226	"	mf	"	"	

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Commack NY, 11725

Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez

Reported:
03/15/11 18:30

SP-1 2'-4'
1103162-01 (Soil)

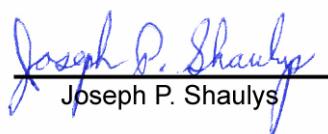
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.

SVOA MS

Indeno (1,2,3-cd) pyrene	<226	226	ug/kg dry	mf	03/15/11 11:52	SW 8270C	
Isophorone	<226	226	"	mf	"	"	
2-Methylnaphthalene	<113	113	"	mf	"	"	
Naphthalene	<113	113	"	mf	"	"	
3-Nitroaniline	<566	566	"	mf	"	"	
2-Nitroaniline	<566	566	"	mf	"	"	
4-Nitroaniline	<566	566	"	mf	"	"	
Nitrobenzene	<226	226	"	mf	"	"	
N-Nitrosodiphenylamine	<226	226	"	mf	"	"	
N-Nitrosodi-n-propylamine	<226	226	"	mf	"	"	
Phenanthrene	<226	226	"	mf	"	"	
Pyrene	<226	226	"	mf	"	"	
1,2,4-Trichlorobenzene	<113	113	"	mf	"	"	

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Commack NY, 11725

Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez

Reported:
03/15/11 18:30

SP-2 2'-4'
1103162-02 (Soil)

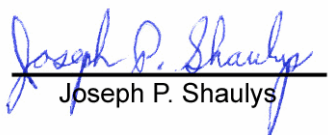
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.

VOA MS

Benzene	<1.11	1.11	ug/kg dry	VNS	03/14/11 22:40	SW 8260B	
Bromobenzene	<2.23	2.23	"	VNS	"	"	
Bromochloromethane	<1.11	1.11	"	VNS	"	"	
Bromodichloromethane	<5.57	5.57	"	VNS	"	"	
Bromoform	<1.11	1.11	"	VNS	"	"	
Bromomethane	<2.23	2.23	"	VNS	"	"	
sec-Butylbenzene	<1.11	1.11	"	VNS	"	"	
n-Butylbenzene	<1.11	1.11	"	VNS	"	"	
tert-Butylbenzene	<1.11	1.11	"	VNS	"	"	
Carbon Tetrachloride	<2.23	2.23	"	VNS	"	"	
Chlorobenzene	<1.11	1.11	"	VNS	"	"	
Chloroethane	<2.23	2.23	"	VNS	"	"	
Chloroform	<1.11	1.11	"	VNS	"	"	
Chloromethane	<2.23	2.23	"	VNS	"	"	
2-Chlorotoluene	<2.23	2.23	"	VNS	"	"	
4-Chlorotoluene	<2.23	2.23	"	VNS	"	"	
1,2-Dibromo-3-chloropropane	<2.23	2.23	"	VNS	"	"	
Dibromochloromethane	<5.57	5.57	"	VNS	"	"	
1,2-Dibromoethane	<2.23	2.23	"	VNS	"	"	
Dibromomethane	<1.11	1.11	"	VNS	"	"	
1,2-Dichlorobenzene	<1.11	1.11	"	VNS	"	"	
1,3-Dichlorobenzene	<2.23	2.23	"	VNS	"	"	
1,4-Dichlorobenzene	<1.11	1.11	"	VNS	"	"	
Dichlorodifluoromethane	<1.11	1.11	"	VNS	"	"	
1,1-Dichloroethane	<2.23	2.23	"	VNS	"	"	
1,2-Dichloroethane	<1.11	1.11	"	VNS	"	"	
1,1-Dichloroethene	<1.11	1.11	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.11	1.11	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.11	1.11	"	VNS	"	"	
1,3-Dichloropropane	<1.11	1.11	"	VNS	"	"	
2,2-Dichloropropane	<2.23	2.23	"	VNS	"	"	
1,2-Dichloropropane	<2.23	2.23	"	VNS	"	"	
trans-1,3-Dichloropropene	<1.11	1.11	"	VNS	"	"	
1,1-Dichloropropene	<2.23	2.23	"	VNS	"	"	
cis-1,3-Dichloropropene	<1.11	1.11	"	VNS	"	"	
Ethylbenzene	<2.23	2.23	"	VNS	"	"	

Analytical Chemists Laboratory, LLC.


Joseph P. Shaulys

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Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725

Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez

Reported:
03/15/11 18:30

SP-2 2'-4'
1103162-02 (Soil)

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.

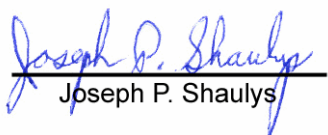
VOA MS

Hexachlorobutadiene	<1.11	1.11	ug/kg dry	VNS	03/14/11 22:40	SW 8260B	
Isopropylbenzene	<2.23	2.23	"	VNS	"	"	
4-Isopropyltoluene	<1.11	1.11	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.11	1.11	"	VNS	"	"	
Methylene Chloride	<11.1	11.1	"	VNS	"	"	
n-Propylbenzene	<2.23	2.23	"	VNS	"	"	
Styrene	<1.11	1.11	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.23	2.23	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.11	1.11	"	VNS	"	"	
Tetrachloroethene	<1.11	1.11	"	VNS	"	"	
Toluene	<1.11	1.11	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.11	1.11	"	VNS	"	"	
1,2,3-Trichlorobenzene	<2.23	2.23	"	VNS	"	"	
1,1,1-Trichloroethane	<1.11	1.11	"	VNS	"	"	
1,1,2-Trichloroethane	<2.23	2.23	"	VNS	"	"	
Trichloroethene	<1.11	1.11	"	VNS	"	"	
Trichlorofluoromethane	<1.11	1.11	"	VNS	"	"	
1,2,3-Trichloropropane	<5.57	5.57	"	VNS	"	"	
1,2,4-Trimethylbenzene	1.36	1.11	"	VNS	"	"	B
1,3,5-Trimethylbenzene	<1.11	1.11	"	VNS	"	"	
Vinyl chloride	<5.57	5.57	"	VNS	"	"	
o-Xylene	<1.11	1.11	"	VNS	"	"	
m,p-Xylene	<2.23	2.23	"	VNS	"	"	

SVOA MS

Acenaphthene	<111	111	ug/kg dry	mf	03/15/11 12:34	SW 8270C	
Acenaphthylene	<111	111	"	mf	"	"	
Anthracene	<223	223	"	mf	"	"	
Benzo (a) anthracene	<111	111	"	mf	"	"	
Benzo (a) pyrene	<111	111	"	mf	"	"	
Benzo (b) fluoranthene	<557	557	"	mf	"	"	
Benzo (g,h,i) perylene	<111	111	"	mf	"	"	
Benzo (k) fluoranthene	<223	223	"	mf	"	"	
4-Bromophenyl phenyl ether	<111	111	"	mf	"	"	
Butyl benzyl phthalate	<557	557	"	mf	"	"	
4-Chloroaniline	<557	557	"	mf	"	"	

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Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725

Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez

Reported:
03/15/11 18:30

SP-2 2'-4'
1103162-02 (Soil)

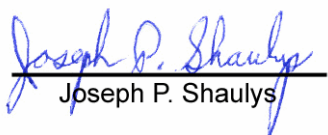
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.

SVOA MS

Bis(2-chloroethoxy)methane	<223	223	ug/kg dry	mf	03/15/11 12:34	SW 8270C	
Bis(2-chloroethyl)ether	<223	223	"	mf	"	"	
Bis(2-chloroisopropyl)ether	<223	223	"	mf	"	"	
2-Chloronaphthalene	<111	111	"	mf	"	"	
4-Chlorophenyl phenyl ether	<223	223	"	mf	"	"	
Chrysene	<223	223	"	mf	"	"	
Dibenz (a,h) anthracene	<223	223	"	mf	"	"	
Dibenzofuran	<557	557	"	mf	"	"	
Di-n-butyl phthalate	<223	223	"	mf	"	"	
1,2-Dichlorobenzene	<111	111	"	mf	"	"	
1,4-Dichlorobenzene	<223	223	"	mf	"	"	
1,3-Dichlorobenzene	<223	223	"	mf	"	"	
3,3'-Dichlorobenzidine	<557	557	"	mf	"	"	
Diethyl phthalate	<223	223	"	mf	"	"	
Dimethyl phthalate	<111	111	"	mf	"	"	
2,4-Dinitrotoluene	<223	223	"	mf	"	"	
2,6-Dinitrotoluene	<223	223	"	mf	"	"	
Di-n-octyl phthalate	<557	557	"	mf	"	"	
Bis(2-ethylhexyl)phthalate	577	223	"	mf	"	"	B
Fluoranthene	<111	111	"	mf	"	"	
Fluorene	<223	223	"	mf	"	"	
Hexachlorobenzene	<223	223	"	mf	"	"	
Hexachlorobutadiene	<223	223	"	mf	"	"	
Hexachlorocyclopentadiene	<1110	1110	"	mf	"	"	
Hexachloroethane	<223	223	"	mf	"	"	
Indeno (1,2,3-cd) pyrene	<223	223	"	mf	"	"	
Isophorone	<223	223	"	mf	"	"	
2-Methylnaphthalene	<111	111	"	mf	"	"	
Naphthalene	<111	111	"	mf	"	"	
3-Nitroaniline	<557	557	"	mf	"	"	
2-Nitroaniline	<557	557	"	mf	"	"	
4-Nitroaniline	<557	557	"	mf	"	"	
Nitrobenzene	<223	223	"	mf	"	"	
N-Nitrosodiphenylamine	<223	223	"	mf	"	"	
N-Nitrosodi-n-propylamine	<223	223	"	mf	"	"	
Phenanthrene	<223	223	"	mf	"	"	

Analytical Chemists Laboratory, LLC.


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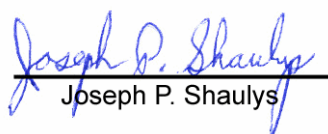
Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez**Reported:**
03/15/11 18:30**SP-2 2'-4'**
1103162-02 (Soil)

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.**SVOA MS**

Pyrene	<223	223	ug/kg dry	mf	03/15/11 12:34	SW 8270C	
1,2,4-Trichlorobenzene	<111	111	"	mf	"	"	

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Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725

Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez

Reported:
03/15/11 18:30

SP-3 6'-8'
1103162-03 (Soil)

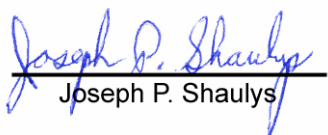
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.

VOA MS

Benzene	<1.10	1.10	ug/kg dry	VNS	03/14/11 23:11	SW 8260B	
Bromobenzene	<2.21	2.21	"	VNS	"	"	
Bromochloromethane	<1.10	1.10	"	VNS	"	"	
Bromodichloromethane	<5.52	5.52	"	VNS	"	"	
Bromoform	<1.10	1.10	"	VNS	"	"	
Bromomethane	<2.21	2.21	"	VNS	"	"	
sec-Butylbenzene	<1.10	1.10	"	VNS	"	"	
n-Butylbenzene	<1.10	1.10	"	VNS	"	"	
tert-Butylbenzene	<1.10	1.10	"	VNS	"	"	
Carbon Tetrachloride	<2.21	2.21	"	VNS	"	"	
Chlorobenzene	<1.10	1.10	"	VNS	"	"	
Chloroethane	<2.21	2.21	"	VNS	"	"	
Chloroform	<1.10	1.10	"	VNS	"	"	
Chloromethane	<2.21	2.21	"	VNS	"	"	
2-Chlorotoluene	<2.21	2.21	"	VNS	"	"	
4-Chlorotoluene	<2.21	2.21	"	VNS	"	"	
1,2-Dibromo-3-chloropropane	<2.21	2.21	"	VNS	"	"	
Dibromochloromethane	<5.52	5.52	"	VNS	"	"	
1,2-Dibromoethane	<2.21	2.21	"	VNS	"	"	
Dibromomethane	<1.10	1.10	"	VNS	"	"	
1,2-Dichlorobenzene	<1.10	1.10	"	VNS	"	"	
1,3-Dichlorobenzene	<2.21	2.21	"	VNS	"	"	
1,4-Dichlorobenzene	<1.10	1.10	"	VNS	"	"	
Dichlorodifluoromethane	<1.10	1.10	"	VNS	"	"	
1,1-Dichloroethane	<2.21	2.21	"	VNS	"	"	
1,2-Dichloroethane	<1.10	1.10	"	VNS	"	"	
1,1-Dichloroethene	<1.10	1.10	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.10	1.10	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.10	1.10	"	VNS	"	"	
1,3-Dichloropropane	<1.10	1.10	"	VNS	"	"	
2,2-Dichloropropane	<2.21	2.21	"	VNS	"	"	
1,2-Dichloropropane	<2.21	2.21	"	VNS	"	"	
trans-1,3-Dichloropropene	<1.10	1.10	"	VNS	"	"	
1,1-Dichloropropene	<2.21	2.21	"	VNS	"	"	
cis-1,3-Dichloropropene	<1.10	1.10	"	VNS	"	"	
Ethylbenzene	<2.21	2.21	"	VNS	"	"	

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Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725

Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez

Reported:
03/15/11 18:30

SP-3 6'-8'
1103162-03 (Soil)

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.

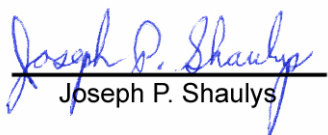
VOA MS

Hexachlorobutadiene	<1.10	1.10	ug/kg dry	VNS	03/14/11 23:11	SW 8260B	
Isopropylbenzene	<2.21	2.21	"	VNS	"	"	
4-Isopropyltoluene	<1.10	1.10	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.10	1.10	"	VNS	"	"	
Methylene Chloride	<11.0	11.0	"	VNS	"	"	
n-Propylbenzene	<2.21	2.21	"	VNS	"	"	
Styrene	<1.10	1.10	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.21	2.21	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.10	1.10	"	VNS	"	"	
Tetrachloroethene	<1.10	1.10	"	VNS	"	"	
Toluene	<1.10	1.10	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.10	1.10	"	VNS	"	"	
1,2,3-Trichlorobenzene	<2.21	2.21	"	VNS	"	"	
1,1,1-Trichloroethane	<1.10	1.10	"	VNS	"	"	
1,1,2-Trichloroethane	<2.21	2.21	"	VNS	"	"	
Trichloroethene	<1.10	1.10	"	VNS	"	"	
Trichlorofluoromethane	<1.10	1.10	"	VNS	"	"	
1,2,3-Trichloropropane	<5.52	5.52	"	VNS	"	"	
1,2,4-Trimethylbenzene	1.59	1.10	"	VNS	"	"	B
1,3,5-Trimethylbenzene	<1.10	1.10	"	VNS	"	"	
Vinyl chloride	<5.52	5.52	"	VNS	"	"	
o-Xylene	<1.10	1.10	"	VNS	"	"	
m,p-Xylene	<2.21	2.21	"	VNS	"	"	

SVOA MS

Acenaphthene	<110	110	ug/kg dry	mf	03/15/11 13:16	SW 8270C	
Acenaphthylene	<110	110	"	mf	"	"	
Anthracene	<221	221	"	mf	"	"	
Benzo (a) anthracene	<110	110	"	mf	"	"	
Benzo (a) pyrene	<110	110	"	mf	"	"	
Benzo (b) fluoranthene	<552	552	"	mf	"	"	
Benzo (g,h,i) perylene	<110	110	"	mf	"	"	
Benzo (k) fluoranthene	<221	221	"	mf	"	"	
4-Bromophenyl phenyl ether	<110	110	"	mf	"	"	
Butyl benzyl phthalate	<552	552	"	mf	"	"	
4-Chloroaniline	<552	552	"	mf	"	"	

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2171 Jericho Turnpike Suite 345
Commack NY, 11725

Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez

Reported:
03/15/11 18:30

SP-3 6'-8'
1103162-03 (Soil)

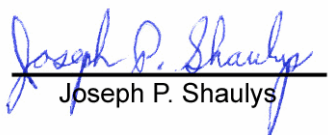
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.

SVOA MS

Bis(2-chloroethoxy)methane	<221	221	ug/kg dry	mf	03/15/11 13:16	SW 8270C	
Bis(2-chloroethyl)ether	<221	221	"	mf	"	"	
Bis(2-chloroisopropyl)ether	<221	221	"	mf	"	"	
2-Chloronaphthalene	<110	110	"	mf	"	"	
4-Chlorophenyl phenyl ether	<221	221	"	mf	"	"	
Chrysene	<221	221	"	mf	"	"	
Dibenz (a,h) anthracene	<221	221	"	mf	"	"	
Dibenzofuran	<552	552	"	mf	"	"	
Di-n-butyl phthalate	<221	221	"	mf	"	"	
1,2-Dichlorobenzene	<110	110	"	mf	"	"	
1,4-Dichlorobenzene	<221	221	"	mf	"	"	
1,3-Dichlorobenzene	<221	221	"	mf	"	"	
3,3'-Dichlorobenzidine	<552	552	"	mf	"	"	
Diethyl phthalate	<221	221	"	mf	"	"	
Dimethyl phthalate	<110	110	"	mf	"	"	
2,4-Dinitrotoluene	<221	221	"	mf	"	"	
2,6-Dinitrotoluene	<221	221	"	mf	"	"	
Di-n-octyl phthalate	<552	552	"	mf	"	"	
Bis(2-ethylhexyl)phthalate	384	221	"	mf	"	"	B
Fluoranthene	<110	110	"	mf	"	"	
Fluorene	<221	221	"	mf	"	"	
Hexachlorobenzene	<221	221	"	mf	"	"	
Hexachlorobutadiene	<221	221	"	mf	"	"	
Hexachlorocyclopentadiene	<1100	1100	"	mf	"	"	
Hexachloroethane	<221	221	"	mf	"	"	
Indeno (1,2,3-cd) pyrene	<221	221	"	mf	"	"	
Isophorone	<221	221	"	mf	"	"	
2-Methylnaphthalene	<110	110	"	mf	"	"	
Naphthalene	<110	110	"	mf	"	"	
3-Nitroaniline	<552	552	"	mf	"	"	
2-Nitroaniline	<552	552	"	mf	"	"	
4-Nitroaniline	<552	552	"	mf	"	"	
Nitrobenzene	<221	221	"	mf	"	"	
N-Nitrosodiphenylamine	<221	221	"	mf	"	"	
N-Nitrosodi-n-propylamine	<221	221	"	mf	"	"	
Phenanthrene	<221	221	"	mf	"	"	

Analytical Chemists Laboratory, LLC.



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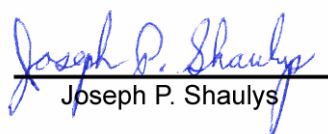
Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez**Reported:**
03/15/11 18:30**SP-3 6'-8'**
1103162-03 (Soil)

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.**SVOA MS**

Pyrene	<221	221	ug/kg dry	mf	03/15/11 13:16	SW 8270C	
1,2,4-Trichlorobenzene	<110	110	"	mf	"	"	

Analytical Chemists Laboratory, LLC.


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Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725

Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez

Reported:
03/15/11 18:30

SP-4 8'-10'
1103162-04 (Soil)

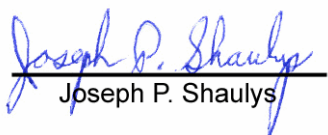
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.

VOA MS

Benzene	<1.12	1.12	ug/kg dry	VNS	03/14/11 23:43	SW 8260B	
Bromobenzene	<2.24	2.24	"	VNS	"	"	
Bromochloromethane	<1.12	1.12	"	VNS	"	"	
Bromodichloromethane	<5.61	5.61	"	VNS	"	"	
Bromoform	<1.12	1.12	"	VNS	"	"	
Bromomethane	<2.24	2.24	"	VNS	"	"	
sec-Butylbenzene	<1.12	1.12	"	VNS	"	"	
n-Butylbenzene	<1.12	1.12	"	VNS	"	"	
tert-Butylbenzene	<1.12	1.12	"	VNS	"	"	
Carbon Tetrachloride	<2.24	2.24	"	VNS	"	"	
Chlorobenzene	<1.12	1.12	"	VNS	"	"	
Chloroethane	<2.24	2.24	"	VNS	"	"	
Chloroform	<1.12	1.12	"	VNS	"	"	
Chloromethane	<2.24	2.24	"	VNS	"	"	
2-Chlorotoluene	<2.24	2.24	"	VNS	"	"	
4-Chlorotoluene	<2.24	2.24	"	VNS	"	"	
1,2-Dibromo-3-chloropropane	<2.24	2.24	"	VNS	"	"	
Dibromochloromethane	<5.61	5.61	"	VNS	"	"	
1,2-Dibromoethane	<2.24	2.24	"	VNS	"	"	
Dibromomethane	<1.12	1.12	"	VNS	"	"	
1,2-Dichlorobenzene	<1.12	1.12	"	VNS	"	"	
1,3-Dichlorobenzene	<2.24	2.24	"	VNS	"	"	
1,4-Dichlorobenzene	<1.12	1.12	"	VNS	"	"	
Dichlorodifluoromethane	<1.12	1.12	"	VNS	"	"	
1,1-Dichloroethane	<2.24	2.24	"	VNS	"	"	
1,2-Dichloroethane	<1.12	1.12	"	VNS	"	"	
1,1-Dichloroethene	<1.12	1.12	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.12	1.12	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.12	1.12	"	VNS	"	"	
1,3-Dichloropropane	<1.12	1.12	"	VNS	"	"	
2,2-Dichloropropane	<2.24	2.24	"	VNS	"	"	
1,2-Dichloropropane	<2.24	2.24	"	VNS	"	"	
trans-1,3-Dichloropropene	<1.12	1.12	"	VNS	"	"	
1,1-Dichloropropene	<2.24	2.24	"	VNS	"	"	
cis-1,3-Dichloropropene	<1.12	1.12	"	VNS	"	"	
Ethylbenzene	<2.24	2.24	"	VNS	"	"	

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Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725

Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez

Reported:
03/15/11 18:30

SP-4 8'-10'
1103162-04 (Soil)

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.

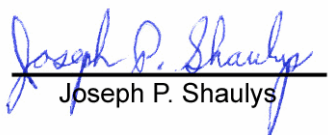
VOA MS

Hexachlorobutadiene	<1.12	1.12	ug/kg dry	VNS	03/14/11 23:43	SW 8260B	
Isopropylbenzene	<2.24	2.24	"	VNS	"	"	
4-Isopropyltoluene	<1.12	1.12	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.12	1.12	"	VNS	"	"	
Methylene Chloride	<11.2	11.2	"	VNS	"	"	
n-Propylbenzene	<2.24	2.24	"	VNS	"	"	
Styrene	<1.12	1.12	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.24	2.24	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.12	1.12	"	VNS	"	"	
Tetrachloroethene	3.08	1.12	"	VNS	"	"	
Toluene	<1.12	1.12	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.12	1.12	"	VNS	"	"	
1,2,3-Trichlorobenzene	<2.24	2.24	"	VNS	"	"	
1,1,1-Trichloroethane	<1.12	1.12	"	VNS	"	"	
1,1,2-Trichloroethane	<2.24	2.24	"	VNS	"	"	
Trichloroethene	<1.12	1.12	"	VNS	"	"	
Trichlorofluoromethane	<1.12	1.12	"	VNS	"	"	
1,2,3-Trichloropropane	<5.61	5.61	"	VNS	"	"	
1,2,4-Trimethylbenzene	1.75	1.12	"	VNS	"	"	B
1,3,5-Trimethylbenzene	<1.12	1.12	"	VNS	"	"	
Vinyl chloride	<5.61	5.61	"	VNS	"	"	
o-Xylene	<1.12	1.12	"	VNS	"	"	
m,p-Xylene	<2.24	2.24	"	VNS	"	"	

SVOA MS

Acenaphthene	<112	112	ug/kg dry	mf	03/15/11 13:57	SW 8270C	
Acenaphthylene	<112	112	"	mf	"	"	
Anthracene	<224	224	"	mf	"	"	
Benzo (a) anthracene	221	112	"	mf	"	"	
Benzo (a) pyrene	279	112	"	mf	"	"	
Benzo (b) fluoranthene	<561	561	"	mf	"	"	
Benzo (g,h,i) perylene	200	112	"	mf	"	"	
Benzo (k) fluoranthene	<224	224	"	mf	"	"	
4-Bromophenyl phenyl ether	<112	112	"	mf	"	"	
Butyl benzyl phthalate	<561	561	"	mf	"	"	
4-Chloroaniline	<561	561	"	mf	"	"	

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Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725

Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez

Reported:
03/15/11 18:30

SP-4 8'-10'
1103162-04 (Soil)

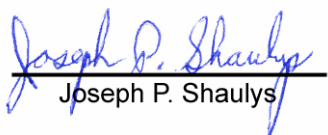
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.

SVOA MS

Bis(2-chloroethoxy)methane	<224	224	ug/kg dry	mf	03/15/11 13:57	SW 8270C	
Bis(2-chloroethyl)ether	<224	224	"	mf	"	"	
Bis(2-chloroisopropyl)ether	<224	224	"	mf	"	"	
2-Chloronaphthalene	<112	112	"	mf	"	"	
4-Chlorophenyl phenyl ether	<224	224	"	mf	"	"	
Chrysene	260	224	"	mf	"	"	
Dibenz (a,h) anthracene	<224	224	"	mf	"	"	
Dibenzofuran	<561	561	"	mf	"	"	
Di-n-butyl phthalate	<224	224	"	mf	"	"	
1,2-Dichlorobenzene	<112	112	"	mf	"	"	
1,4-Dichlorobenzene	<224	224	"	mf	"	"	
1,3-Dichlorobenzene	<224	224	"	mf	"	"	
3,3'-Dichlorobenzidine	<561	561	"	mf	"	"	
Diethyl phthalate	<224	224	"	mf	"	"	
Dimethyl phthalate	<112	112	"	mf	"	"	
2,4-Dinitrotoluene	<224	224	"	mf	"	"	
2,6-Dinitrotoluene	<224	224	"	mf	"	"	
Di-n-octyl phthalate	<561	561	"	mf	"	"	
Bis(2-ethylhexyl)phthalate	521	224	"	mf	"	"	B
Fluoranthene	355	112	"	mf	"	"	
Fluorene	<224	224	"	mf	"	"	
Hexachlorobenzene	<224	224	"	mf	"	"	
Hexachlorobutadiene	<224	224	"	mf	"	"	
Hexachlorocyclopentadiene	<1120	1120	"	mf	"	"	
Hexachloroethane	<224	224	"	mf	"	"	
Indeno (1,2,3-cd) pyrene	<224	224	"	mf	"	"	
Isophorone	<224	224	"	mf	"	"	
2-Methylnaphthalene	<112	112	"	mf	"	"	
Naphthalene	<112	112	"	mf	"	"	
3-Nitroaniline	<561	561	"	mf	"	"	
2-Nitroaniline	<561	561	"	mf	"	"	
4-Nitroaniline	<561	561	"	mf	"	"	
Nitrobenzene	<224	224	"	mf	"	"	
N-Nitrosodiphenylamine	<224	224	"	mf	"	"	
N-Nitrosodi-n-propylamine	<224	224	"	mf	"	"	
Phenanthrene	<224	224	"	mf	"	"	

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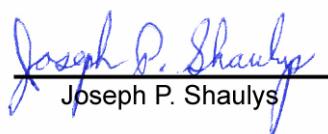
Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez**Reported:**
03/15/11 18:30**SP-4 8'-10'**
1103162-04 (Soil)

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.**SVOA MS**

Pyrene	<224	224	ug/kg dry	mf	03/15/11 13:57	SW 8270C	
1,2,4-Trichlorobenzene	<112	112	"	mf	"	"	

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Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725

Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez

Reported:
03/15/11 18:30

SP-5 10'-12'
1103162-05 (Soil)

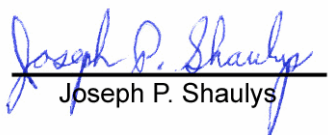
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.

VOA MS

Benzene	<1.04	1.04	ug/kg dry	VNS	03/15/11 00:15	SW 8260B	
Bromobenzene	<2.09	2.09	"	VNS	"	"	
Bromochloromethane	<1.04	1.04	"	VNS	"	"	
Bromodichloromethane	<5.21	5.21	"	VNS	"	"	
Bromoform	<1.04	1.04	"	VNS	"	"	
Bromomethane	<2.09	2.09	"	VNS	"	"	
sec-Butylbenzene	<1.04	1.04	"	VNS	"	"	
n-Butylbenzene	<1.04	1.04	"	VNS	"	"	
tert-Butylbenzene	<1.04	1.04	"	VNS	"	"	
Carbon Tetrachloride	<2.09	2.09	"	VNS	"	"	
Chlorobenzene	<1.04	1.04	"	VNS	"	"	
Chloroethane	<2.09	2.09	"	VNS	"	"	
Chloroform	<1.04	1.04	"	VNS	"	"	
Chloromethane	<2.09	2.09	"	VNS	"	"	
2-Chlorotoluene	<2.09	2.09	"	VNS	"	"	
4-Chlorotoluene	<2.09	2.09	"	VNS	"	"	
1,2-Dibromo-3-chloropropane	<2.09	2.09	"	VNS	"	"	
Dibromochloromethane	<5.21	5.21	"	VNS	"	"	
1,2-Dibromoethane	<2.09	2.09	"	VNS	"	"	
Dibromomethane	<1.04	1.04	"	VNS	"	"	
1,2-Dichlorobenzene	<1.04	1.04	"	VNS	"	"	
1,3-Dichlorobenzene	<2.09	2.09	"	VNS	"	"	
1,4-Dichlorobenzene	<1.04	1.04	"	VNS	"	"	
Dichlorodifluoromethane	<1.04	1.04	"	VNS	"	"	
1,1-Dichloroethane	<2.09	2.09	"	VNS	"	"	
1,2-Dichloroethane	<1.04	1.04	"	VNS	"	"	
1,1-Dichloroethene	<1.04	1.04	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.04	1.04	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.04	1.04	"	VNS	"	"	
1,3-Dichloropropane	<1.04	1.04	"	VNS	"	"	
2,2-Dichloropropane	<2.09	2.09	"	VNS	"	"	
1,2-Dichloropropane	<2.09	2.09	"	VNS	"	"	
trans-1,3-Dichloropropene	<1.04	1.04	"	VNS	"	"	
1,1-Dichloropropene	<2.09	2.09	"	VNS	"	"	
cis-1,3-Dichloropropene	<1.04	1.04	"	VNS	"	"	
Ethylbenzene	<2.09	2.09	"	VNS	"	"	

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Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725

Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez

Reported:
03/15/11 18:30

SP-5 10'-12'
1103162-05 (Soil)

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.

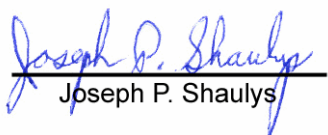
VOA MS

Hexachlorobutadiene	<1.04	1.04	ug/kg dry	VNS	03/15/11 00:15	SW 8260B	
Isopropylbenzene	<2.09	2.09	"	VNS	"	"	
4-Isopropyltoluene	<1.04	1.04	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.04	1.04	"	VNS	"	"	
Methylene Chloride	<10.4	10.4	"	VNS	"	"	
n-Propylbenzene	<2.09	2.09	"	VNS	"	"	
Styrene	<1.04	1.04	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.09	2.09	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.04	1.04	"	VNS	"	"	
Tetrachloroethene	<1.04	1.04	"	VNS	"	"	
Toluene	<1.04	1.04	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.04	1.04	"	VNS	"	"	
1,2,3-Trichlorobenzene	<2.09	2.09	"	VNS	"	"	
1,1,1-Trichloroethane	<1.04	1.04	"	VNS	"	"	
1,1,2-Trichloroethane	<2.09	2.09	"	VNS	"	"	
Trichloroethene	<1.04	1.04	"	VNS	"	"	
Trichlorofluoromethane	<1.04	1.04	"	VNS	"	"	
1,2,3-Trichloropropane	<5.21	5.21	"	VNS	"	"	
1,2,4-Trimethylbenzene	1.68	1.04	"	VNS	"	"	B
1,3,5-Trimethylbenzene	<1.04	1.04	"	VNS	"	"	
Vinyl chloride	<5.21	5.21	"	VNS	"	"	
o-Xylene	<1.04	1.04	"	VNS	"	"	
m,p-Xylene	<2.09	2.09	"	VNS	"	"	

SVOA MS

Acenaphthene	<104	104	ug/kg dry	mf	03/15/11 14:39	SW 8270C	
Acenaphthylene	<104	104	"	mf	"	"	
Anthracene	<209	209	"	mf	"	"	
Benzo (a) anthracene	<104	104	"	mf	"	"	
Benzo (a) pyrene	<104	104	"	mf	"	"	
Benzo (b) fluoranthene	<521	521	"	mf	"	"	
Benzo (g,h,i) perylene	<104	104	"	mf	"	"	
Benzo (k) fluoranthene	<209	209	"	mf	"	"	
4-Bromophenyl phenyl ether	<104	104	"	mf	"	"	
Butyl benzyl phthalate	<521	521	"	mf	"	"	
4-Chloroaniline	<521	521	"	mf	"	"	

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Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725

Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez

Reported:
03/15/11 18:30

SP-5 10'-12'
1103162-05 (Soil)

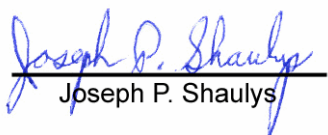
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.

SVOA MS

Bis(2-chloroethoxy)methane	<209	209	ug/kg dry	mf	03/15/11 14:39	SW 8270C	
Bis(2-chloroethyl)ether	<209	209	"	mf	"	"	
Bis(2-chloroisopropyl)ether	<209	209	"	mf	"	"	
2-Chloronaphthalene	<104	104	"	mf	"	"	
4-Chlorophenyl phenyl ether	<209	209	"	mf	"	"	
Chrysene	<209	209	"	mf	"	"	
Dibenz (a,h) anthracene	<209	209	"	mf	"	"	
Dibenzofuran	<521	521	"	mf	"	"	
Di-n-butyl phthalate	<209	209	"	mf	"	"	
1,2-Dichlorobenzene	<104	104	"	mf	"	"	
1,4-Dichlorobenzene	<209	209	"	mf	"	"	
1,3-Dichlorobenzene	<209	209	"	mf	"	"	
3,3'-Dichlorobenzidine	<521	521	"	mf	"	"	
Diethyl phthalate	<209	209	"	mf	"	"	
Dimethyl phthalate	<104	104	"	mf	"	"	
2,4-Dinitrotoluene	<209	209	"	mf	"	"	
2,6-Dinitrotoluene	<209	209	"	mf	"	"	
Di-n-octyl phthalate	<521	521	"	mf	"	"	
Bis(2-ethylhexyl)phthalate	386	209	"	mf	"	"	B
Fluoranthene	<104	104	"	mf	"	"	
Fluorene	<209	209	"	mf	"	"	
Hexachlorobenzene	<209	209	"	mf	"	"	
Hexachlorobutadiene	<209	209	"	mf	"	"	
Hexachlorocyclopentadiene	<1040	1040	"	mf	"	"	
Hexachloroethane	<209	209	"	mf	"	"	
Indeno (1,2,3-cd) pyrene	<209	209	"	mf	"	"	
Isophorone	<209	209	"	mf	"	"	
2-Methylnaphthalene	<104	104	"	mf	"	"	
Naphthalene	<104	104	"	mf	"	"	
3-Nitroaniline	<521	521	"	mf	"	"	
2-Nitroaniline	<521	521	"	mf	"	"	
4-Nitroaniline	<521	521	"	mf	"	"	
Nitrobenzene	<209	209	"	mf	"	"	
N-Nitrosodiphenylamine	<209	209	"	mf	"	"	
N-Nitrosodi-n-propylamine	<209	209	"	mf	"	"	
Phenanthrene	<209	209	"	mf	"	"	

Analytical Chemists Laboratory, LLC.



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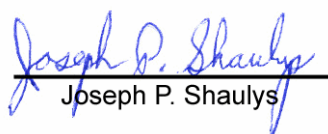
Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez**Reported:**
03/15/11 18:30**SP-5 10'-12'**
1103162-05 (Soil)

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.**SVOA MS**

Pyrene	<209	209	ug/kg dry	mf	03/15/11 14:39	SW 8270C	
1,2,4-Trichlorobenzene	<104	104	"	mf	"	"	

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Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725

Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez

Reported:
03/15/11 18:30

GP-1
1103162-06 (Water)

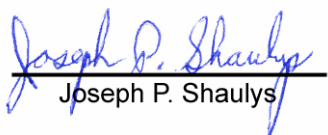
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.

VOA MS

Benzene	<1.00	1.00	ug/L	VNS	03/15/11 14:10	SW 8260B	
Bromobenzene	<2.00	2.00	"	VNS	"	"	
Bromochloromethane	<1.00	1.00	"	VNS	"	"	
Bromodichloromethane	<5.00	5.00	"	VNS	"	"	
Bromoform	<1.00	1.00	"	VNS	"	"	
Bromomethane	<2.00	2.00	"	VNS	"	"	
sec-Butylbenzene	<1.00	1.00	"	VNS	"	"	
n-Butylbenzene	<1.00	1.00	"	VNS	"	"	
tert-Butylbenzene	<1.00	1.00	"	VNS	"	"	
Carbon Tetrachloride	<2.00	2.00	"	VNS	"	"	
Chlorobenzene	<1.00	1.00	"	VNS	"	"	
Chloroethane	<2.00	2.00	"	VNS	"	"	
Chloroform	3.13	1.00	"	VNS	"	"	
Chloromethane	<2.00	2.00	"	VNS	"	"	
2-Chlorotoluene	<2.00	2.00	"	VNS	"	"	
4-Chlorotoluene	<2.00	2.00	"	VNS	"	"	
1,2-Dibromo-3-chloropropane	<2.00	2.00	"	VNS	"	"	
Dibromochloromethane	<5.00	5.00	"	VNS	"	"	
1,2-Dibromoethane	<2.00	2.00	"	VNS	"	"	
Dibromomethane	<1.00	1.00	"	VNS	"	"	
1,2-Dichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,3-Dichlorobenzene	<2.00	2.00	"	VNS	"	"	
1,4-Dichlorobenzene	<1.00	1.00	"	VNS	"	"	
Dichlorodifluoromethane	<1.00	1.00	"	VNS	"	"	
1,1-Dichloroethane	<2.00	2.00	"	VNS	"	"	
1,2-Dichloroethane	<1.00	1.00	"	VNS	"	"	
1,1-Dichloroethene	<1.00	1.00	"	VNS	"	"	
cis-1,2-Dichloroethene	38.4	1.00	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.00	1.00	"	VNS	"	"	
1,3-Dichloropropane	<1.00	1.00	"	VNS	"	"	
2,2-Dichloropropane	<2.00	2.00	"	VNS	"	"	
1,2-Dichloropropane	<2.00	2.00	"	VNS	"	"	
trans-1,3-Dichloropropene	<1.00	1.00	"	VNS	"	"	
1,1-Dichloropropene	<2.00	2.00	"	VNS	"	"	
cis-1,3-Dichloropropene	<1.00	1.00	"	VNS	"	"	
Ethylbenzene	<2.00	2.00	"	VNS	"	"	

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Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725

Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez

Reported:
03/15/11 18:30

GP-1
1103162-06 (Water)

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.

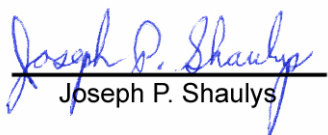
VOA MS

Hexachlorobutadiene	<1.00	1.00	ug/L	VNS	03/15/11 14:10	SW 8260B	
Isopropylbenzene	<2.00	2.00	"	VNS	"	"	
4-Isopropyltoluene	<1.00	1.00	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.00	1.00	"	VNS	"	"	
Methylene Chloride	<10.0	10.0	"	VNS	"	"	
n-Propylbenzene	<2.00	2.00	"	VNS	"	"	
Styrene	<1.00	1.00	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.00	2.00	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.00	1.00	"	VNS	"	"	
Tetrachloroethene	37.8	1.00	"	VNS	"	"	
Toluene	<1.00	1.00	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,2,3-Trichlorobenzene	<2.00	2.00	"	VNS	"	"	
1,1,1-Trichloroethane	<1.00	1.00	"	VNS	"	"	
1,1,2-Trichloroethane	<2.00	2.00	"	VNS	"	"	
Trichloroethene	17.2	1.00	"	VNS	"	"	
Trichlorofluoromethane	<1.00	1.00	"	VNS	"	"	
1,2,3-Trichloropropane	<5.00	5.00	"	VNS	"	"	
1,2,4-Trimethylbenzene	<1.00	1.00	"	VNS	"	"	
1,3,5-Trimethylbenzene	<1.00	1.00	"	VNS	"	"	
Vinyl chloride	<5.00	5.00	"	VNS	"	"	
o-Xylene	<1.00	1.00	"	VNS	"	"	
m,p-Xylene	<2.00	2.00	"	VNS	"	"	

SVOA MS

Acenaphthene	<5.00	5.00	ug/L	mf	03/15/11 16:48	SW 8270C	
Acenaphthylene	<5.00	5.00	"	mf	"	"	
Anthracene	<5.00	5.00	"	mf	"	"	
Benzo (a) anthracene	<2.00	2.00	"	mf	"	"	
Benzo (a) pyrene	<5.00	5.00	"	mf	"	"	
Benzo (b) fluoranthene	<5.00	5.00	"	mf	"	"	
Benzo (g,h,i) perylene	<10.0	10.0	"	mf	"	"	
Benzo (k) fluoranthene	<10.0	10.0	"	mf	"	"	
4-Bromophenyl phenyl ether	<5.00	5.00	"	mf	"	"	
Butyl benzyl phthalate	<5.00	5.00	"	mf	"	"	
4-Chloroaniline	<10.0	10.0	"	mf	"	"	

Analytical Chemists Laboratory, LLC.


Joseph P. Shaulys

All results are based on the sample As Received by the laboratory and no endorsement of the sample integrity prior to sample receipt is implied or given unless collected by Analytical Chemists Laboratory employees. Report must be reproduced in its enti

Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725

Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez

Reported:
03/15/11 18:30

GP-1
1103162-06 (Water)

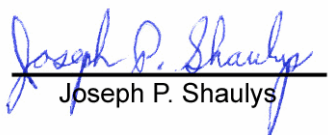
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.

SVOA MS

Bis(2-chloroethoxy)methane	<5.00	5.00	ug/L	mf	03/15/11 16:48	SW 8270C	
Bis(2-chloroethyl)ether	<5.00	5.00	"	mf	"	"	
Bis(2-chloroisopropyl)ether	<5.00	5.00	"	mf	"	"	
2-Chloronaphthalene	<5.00	5.00	"	mf	"	"	
4-Chlorophenyl phenyl ether	<5.00	5.00	"	mf	"	"	
Chrysene	<5.00	5.00	"	mf	"	"	
Dibenz (a,h) anthracene	<5.00	5.00	"	mf	"	"	
Dibenzofuran	<5.00	5.00	"	mf	"	"	
Di-n-butyl phthalate	<5.00	5.00	"	mf	"	"	
1,2-Dichlorobenzene	<5.00	5.00	"	mf	"	"	
1,4-Dichlorobenzene	<5.00	5.00	"	mf	"	"	
1,3-Dichlorobenzene	<5.00	5.00	"	mf	"	"	
3,3'-Dichlorobenzidine	<5.00	5.00	"	mf	"	"	
Diethyl phthalate	<5.00	5.00	"	mf	"	"	
Dimethyl phthalate	<5.00	5.00	"	mf	"	"	
2,4-Dinitrotoluene	<5.00	5.00	"	mf	"	"	
2,6-Dinitrotoluene	<5.00	5.00	"	mf	"	"	
Di-n-octyl phthalate	<5.00	5.00	"	mf	"	"	
Bis(2-ethylhexyl)phthalate	<5.00	5.00	"	mf	"	"	
Fluoranthene	<5.00	5.00	"	mf	"	"	
Fluorene	<5.00	5.00	"	mf	"	"	
Hexachlorobenzene	<5.00	5.00	"	mf	"	"	
Hexachlorobutadiene	<5.00	5.00	"	mf	"	"	
Hexachlorocyclopentadiene	<5.00	5.00	"	mf	"	"	
Hexachloroethane	<5.00	5.00	"	mf	"	"	
Indeno (1,2,3-cd) pyrene	<5.00	5.00	"	mf	"	"	
Isophorone	<5.00	5.00	"	mf	"	"	
2-Methylnaphthalene	<5.00	5.00	"	mf	"	"	
Naphthalene	<5.00	5.00	"	mf	"	"	
3-Nitroaniline	<5.00	5.00	"	mf	"	"	
2-Nitroaniline	<5.00	5.00	"	mf	"	"	
4-Nitroaniline	<11.0	11.0	"	mf	"	"	
Nitrobenzene	<5.00	5.00	"	mf	"	"	
N-Nitrosodiphenylamine	<5.00	5.00	"	mf	"	"	
N-Nitrosodi-n-propylamine	<5.00	5.00	"	mf	"	"	
Phenanthrene	<5.00	5.00	"	mf	"	"	

Analytical Chemists Laboratory, LLC.



Joseph P. Shaulys

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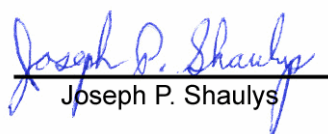
Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez**Reported:**
03/15/11 18:30**GP-1****1103162-06 (Water)**

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier

Analytical Chemists Laboratory, LLC.**SVOA MS**

Pyrene	<5.00	5.00	ug/L	mf	03/15/11 16:48	SW 8270C	
1,2,4-Trichlorobenzene	<5.00	5.00	"	mf	"	"	

Analytical Chemists Laboratory, LLC.


Joseph P. Shaulys

All results are based on the sample "As Received" by the laboratory and no endorsement of the sample integrity prior to sample receipt is implied or given unless collected by Analytical Chemists Laboratory employees. Report must be reproduced in its enti

Hydro Tech Environmental
2171 Jericho Turnpike Suite 345
Commack NY, 11725

Project: 810 River Avenue, Bronx
Project Number: [none]
Project Manager: Carlos Quinonez

Reported:
03/15/11 18:30

Notes and Definitions

B Analyte is found in the associated blank as well as in the sample.

SM Standard Methods for the Examination of Water and Wastewater, 18th edition.

EPA 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW SW 846 3rd Edition.

LT Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004.

dry Sample results reported on a dry weight basis.



59-01 Central Ave. * Farmingdale, NY 11735

Tel: (631) 414-7685 * Fax: (631) 414-7688

Info@achemlabs.com * achemlabs.com

NYSDOH #10950 NJDEP #NY006 USEPA #NY01292

1103062

CHAIN OF CUSTODY RECORD

Client Name: Hydro Tech Environmental, Corp

Address: 2171 Jericho Turnpike

City/State/Zip: Commack, NY 11725

Telephone No.: 631.462.5866 Fax

Report To: Cquinonez@hydrotechenvironmental.com

P.O. Number: 4565

Project ID: 810 River Avenue, Bronx

Results Needed:

24Hr. TAT
Rush T/A Only

Page 28 of 28

Matrix Codes: W-Water, WW-Wastewater, GW-Groundwater
S-Soil, SL-Sludge, SD-Solid, O-Oil, P-Paint Chips, WP-Wipe

Preservative Code: N-Nitric Acid, S-Sulfuric Acid
H-Hydrochloric Acid, SA-Sodium Hydroxide/Ascorbic Acid

Sample ID / Description

	Date Sampled	Time Sampled	Matrix Code	Grab	Composite	# of containers					Analyze For:									
						Plastic Bottles	Glass Jar	6oz	VOA Vial	Plastic Bag	Other (specify)	Preservative Code	8260	8270 BN						
SP-1 2'-4'	3/14/2011	AM	Soil	x			1						x	x						
SP-2 2'-4'	3/14/2011	AM	Soil	x			1						x	x						
SP-3 6'-8'	3/14/2011	AM	Soil	x			1						x	x						
SP-4 8'-10'	3/14/2011	AM	Soil	x			1						x	x						
SP-5 10'-12'	3/14/2011	AM	Soil	x			1						x	x						
SP-6 6'-1'	3/14/2011	AM	Soil	x			1						x	x						
			GW																	

Special Instructions:

Sampled by: 	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by: 	Date: 3/14/11	Time: 2:45

Laboratory Comments:

Temperature Upon Receipt:
Samples Received On Ice?
Sample Containers Intact?
Samples Properly Preserved?
VOCs Free of Headspace?

56
Y
Y
Y
Y

N
N
N
N

APPENDIX H CREDENTIALS

Mostafa El Sehamy, P.G., C.G.W.P., C.E.M.
President, Senior Hydrogeologist

Mr. El Sehamy has over fifteen (15) years of experience in hydrogeology and environmental engineering, involving such activities as groundwater investigation, water quality modeling, ground and surface water quality analysis, environmental impact assessment, remediation design of replacement of domestic well systems in contaminated areas; aquifer sensitivity studies for hydrocarbons and solvents and soil and groundwater investigations of leaking underground storage tanks and pilot venting studies. Mr. El Sehamy has designed over 50 remediation systems for the New York State Department of Environmental Conservation (Oil Spill Prevention) and private sectors. The remediation system involved several techniques, such as pump and treat, soil venting, air sparging, bio-remediation and bio venting. Mr. El Sehamy has also conducted several remedial investigation/feasibility studies in New York State.

Representative Occupational Experience

- ❑ *Groundwater and Hydrologic Modeling*
Groundwater flow and contaminant transport, modeling utilizing MODFLOW, PLASM, MODPATH and WHPA. Hydrologic modeling utilizing HELP. Assessing model inputs and outputs, boundary and initial conditions, model calibrations, verification and sensitivity analysis and performing analytical checks. Hydrologic studies and water analysis.
- ❑ *Environmental Site Assessments*
Conducted Phase I and II Environmental Site Assessments, analysis of site investigation reports, identifying contamination locations and sources. Gas Chromatograph analysis and water sampling, analyzing laboratory results for QA/QC, magnetometer surveys for locating buried drums and underground storage tanks (USTs), estimating UST and other subsurface leaks, septic tank cleanup inspection, liability assessments and estimating costs to attain compliance.
- ❑ *Expert Witness*
Offered expert witness testimony for the New York State Department of Environmental Conservation (NYSDEC) and several private sector cases.
- ❑ *Environmental Impact Statements*
Conducted and supervised several environmental impact statements for shopping centers in the states of New York and North Carolina.
- ❑ *Solute Transport Modeling*
Conducted groundwater flow and solute transport modeling at Superfund, municipal, industrial and water supply sites impacted by organic/inorganic hydrocarbons, PCBs and metals. Developed strategies to contain and clean-up aquifers, protect water supply wells and prohibit impacts to surface water bodies, including containment of free phase product recovery. Analytical and numerical models, such as PLASM, MODFLOW, Random Walk, Quickflow, Flowpath and Groundwater Path were used.

- ❑ *Risk Assessments*
Delineated dissolved petroleum hydrocarbon plume and implemented a risk assessment regarding a subsurface storage tank release into the Long Island Aquifer.
- ❑ *Engineering Compliance*
Auditing manufacturing plants, assessing plant-wide environmental conditions, identifying present and potential RCRA wastes and other environmental problems and offering solutions, SARA Title III calculations, environmental inventorying, compliance status and potential impact analysis of waste disposal practices, air compliance analysis, insurance claims analysis and preparing work plans and engineering reports.
- ❑ *Remedial Investigation and Feasibility Studies*
Oversight/planning of site investigations; data analysis, including statistical analysis and geostatistical contouring utilizing SURFER and GEOSOFT/KRIGING; performance of feasibility studies, including technology evaluations and screening, alternatives development and evaluation and cost estimations.
- ❑ *Due- Diligence Programs*
Designed and implemented due-diligence programs (ranging from Phase I Assessment to Comprehensive Hydrogeologic Investigations) to assess environmental liabilities for numerous land development clientele.
- ❑ *Delineation of Chlorinated Organic Plumes*
Supervised the delineation of a dissolved chlorinated organic plume from underground tank loss. Developed a remedial action program in accordance with New York State regulatory guidelines to abate soil and groundwater contamination.
- ❑ *Research Projects*
Conducted groundwater studies with Nassau County Department of Public Works to investigate the impact of heating oil and solvents on public supply wells in the Levittown and Glen Cove areas of New York State.
- ❑ *Remedial Action*
Prepared remedial action plans. Designed and implemented hydrocarbon remediation systems for soil and groundwater.
- ❑ *Pump Test Aquifer Analysis*
Conducted several pump test aquifer analysis and field coordination in relation to water supply feasibility studies for the New York City Transit Authority.
- ❑ *OSHA Instructor*
Instructed several courses, such as, OSHA 40 Hours Right to Know, CPR, 8 Hour OSHA Refresher, Fall Protection, Confined Space Entry and Lockout/tag-out. Developed safety programs for confine space and accident investigations.
- ❑ *Hazardous Waste Remediation Sites*
Project Manager - RI/FS, pre design investigation, remedial design, construction oversight of the remedial action, and operations and

maintenance of the soil vapor and groundwater treatment systems. Each RI/FS was performed under the direction of NYSDEC.

Employment

2001 - Present	President, Senior Hydrogeologist Hydro Tech Environmental Corp., Commack, New York
1993 - 2001	Director of Professional Services and Safety Fenley & Nicol Environmental, Inc., Deer Park, New York
1992 - 1993	Senior Hydrogeologist Fenley & Nicol Environmental, Inc. Deer Park, New York
1989 - 1992	Hydrogeologist Nassau County Dept. of Health, Mineola, New York
1986 - 1989	Hydrogeologist Fanning, Phillips and Molnar, Ronkonkoma, New York

Education

M.S. Hydrogeology, Adelphi University at Garden City, New York, 1989
Graduate Geology studies, Brooklyn College, City University of New York, 1981
B.S. Engineering Geology, Cairo University, Egypt, 1978

Affiliations and Certifications

- Association of Groundwater Scientists and Engineers
- American Institute of Professional Geologists
- American Association of Petroleum Geologists
- Long Island Geologist Organization
- Environmental Assessment Association
- New York State Asbestos Investigator
- American Society of Safety Engineers
- American Heart Association: CPR Instructor

Registrations and Certifications

- Professional Geologist – Commonwealth of Pennsylvania (P.G.- #001135 – G)
- Licensed Geologist – State of North Carolina (L.G. – #1714)
- Certified Groundwater Professional (C.G.W.P. #364)
- Certified Professional Geologist (C.P.G. # 9206)
- Certified Environmental Manager (C.E.M. # 73492)
- Certified City of New York Asbestos – Investigator (# 03541)

Courses and Seminars

- “Practical Modeling of Pump and Treat Systems using Modflow, Path 3D and Flow Path” Papadupulos & Associates, Inc.
- “Dense Non-aqueous Phase Liquids (DNAPLs): Site Characterization and Remediations” Central New York Association of Professional Geologists.
- “Understanding Migration, Assessment and Remediation of LNAPLs and DNAPLs” National Groundwater Association.
- “Petroleum-Contaminated Soil and Groundwater” University of Massachusetts.
- “Ground water Remediation and Modeling”, Newburgh, New York.

Publications/Presentations

- *A Case Study of the Impact of MTBE on the Investigation and Remediation of a Fuel Oil Release*, National Groundwater Focus Conference MTBE in Groundwater: Assessment, Remediation Technologies & Public Policy, Baltimore, MD June 4-5, 2001.
- *Is MTBE in Fuel Oil? Why MTBE Plays a Major Concern on Long Island*, Long Island Business News, February 2001
- *Cleaning Up UST Leaks*, El Sehamy, Mostafa, Environmental Protection, June 1997.
- *Overview of the Petrex Passive Soil Gas Technique - Two Case Studies*, El Sehamy, Mostafa & Jacobs, Jr., Dave T., Long Island Geologists, April 1996
- *Temporal Constraints on Free Phase Floating Petroleum Product Rebound in the Upper Glacial Aquifer*, Long Island New York, El Sehamy, Mostafa & Winslow, David, Long Island Geologists, April 1996
- *Successful Remediation of Gasoline Spills on Long Island by Application of a Combination of Technologies- Two Case Studies*, El Sehamy, Mostafa & Korlipara, Ravi, Long Island Geologists, April 1995

Mark E. Robbins, C.P.G., C.E.I.
Vice President, Senior Geologist

Mr. Robbins has over nine (9) years experience in geology and hydrogeology, involving such activities as Phase I Environmental Site Assessments, Phase II Environmental Site Assessments, Subsurface Investigations, Remedial Actions, data acquisition, evaluation and contouring, and geotechnical investigations. Mr. Robbins has performed over 400 Phase I Assessments involving residential through heavy industrial properties and over 200 Subsurface Investigations throughout the United States. Mr. Robbins has also designed and implemented over 20 remediation systems for both public and private sectors.

Representative Occupational Experience

- ❑ *Environmental Site Assessments*
Conducted Phase I and II Environmental Site Assessments, analysis of site investigation reports, identifying contamination locations and sources. Soil, soil-vapor and water sampling, analyzing laboratory results for QA/QC, magnetometer and Ground-Penetrating Radar surveys for locating buried drums and underground storage tanks (USTs), estimating UST and other subsurface leaks, monitoring well logging, Project Management, liability assessments and estimating costs to attain compliance.
- ❑ *Remedial Investigation and Feasibility Studies*
Oversight/planning of site investigations; data analysis, including statistical analysis and geostatistical contouring utilizing SURFER; performance of feasibility studies, including technology evaluations, alternatives development and evaluation and cost estimations.
- ❑ *Due- Diligence Programs*
Designed and implemented due-diligence programs (ranging from Phase I Assessment to Comprehensive Hydrogeologic Investigations) to assess environmental liabilities for numerous land development clientele.
- ❑ *Delineation of Chlorinated Organic Plumes*
Supervised the delineation of a dissolved chlorinated organic plume from underground tank loss. Developed a remedial action program in accordance with New York State regulatory guidelines to abate soil and groundwater contamination.
- ❑ *Remedial Action*
Prepared numerous Remedial Action Plans. Designed and implemented hydrocarbon and chlorinated solvent remediation systems for soil and groundwater.
- ❑ *Pump Test Aquifer Analysis*
Conducted several pump tests and pump test analysis and field coordination in relation to dewatering permit requirements for Keyspan Energy and the private sector.

Employment

2001 - Present

Vice President, Senior Geologist
Hydro Tech Environmental Corp., Commack, New York

2000 – 2001	Assistant Director, Professional Services Fenley & Nicol Environmental, Inc., Deer Park, New York
1999 – 2000	Senior Geologist Fenley & Nicol Environmental, Inc. Deer Park, New York
1995 – 1999	Operations Director Advanced Cleanup Technologies, Inc., Farmingdale, New York
1992 – 1995	Project Geologist Advanced Cleanup Technologies, Inc., Roslyn Heights, New York

Education

B.S. Geology, State University of New York at Oneonta, 1991

Affiliations and Certifications

- American Institute of Professional Geologists
- American Association of Petroleum Geologists
- Long Island Geologist Organization
- Geological Society of America
- American Standards in Testing Materials – E50 Committee Member
- Environmental Assessment Association
- OSHA 40-Hour & 8-Hour, Supervisor

Registrations and Certifications

- Certified Professional Geologist (C.P.G. # 10527)
- Certified Environmental Inspector (C.E.I. # 73383)
- GPR Operator's Course, Geophysical Survey Systems, Inc., 1993.

Publications/Presentations

- *A Case Study of the Impact of MTBE on the Investigation and Remediation of a Fuel Oil Release*, National Groundwater Focus Conference MTBE in Groundwater: Assessment, Remediation Technologies & Public Policy, Baltimore, MD June 4-5, 2001.
- *Is MTBE in Fuel Oil? Why MTBE Plays a Major Concern on Long Island*, Long Island Business News, February 2001.

Soil Boring Logs



ROUX ASSOCIATES, INC.
Environmental Consulting
& Management

209 Shafter Street
Islandia, NY 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

WELL LOCATION SKETCH MAP

Page 1 of 1

WELL CONSTRUCTION LOG



WELL NO. MW-3	NORTHING 726314.8	EASTING 650823.5		
PROJECT NO./NAME 2174.0001Y000 / 810 River Ave	LOCATION 810 River Avenue			
APPROVED BY	LOGGED BY C. Prete	Bronx, NY		
DRILLING CONTRACTOR/DRILLER ADT / Chris M	GEOGRAPHIC AREA			
DRILL BIT DIAMETER/TYPE 3-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6610 / Geoprobe	SAMPLING METHOD 2" Macro-Core	START-FINISH DATE 2/13/13-2/14/13
CASING MAT./DIA. SCH 40 PVC / 2-inch	SCREEN: TYPE Slotted	MAT. SCH 40 PVC	TOTAL LENGTH 10.0ft	DIA. 2-inch SLOT SIZE 20-Slot
ELEVATION OF: (Feet)	GROUND SURFACE 28.36	TOP OF WELL CASING /	TOP & BOTTOM SCREEN /	GRAVEL PACK SIZES Morie #2

Depth, feet	Flushmount Manhole	2" J-Plug	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
5				Concrete Dark gray, medium to coarse GRAVEL (fill); dry			
				Brown, fine to coarse SAND, trace silt (fill); dry	0.0		
				Red, coarse BRICK (fill); dry			
				Brown, fine to medium SAND, some silt; dry	0.0		
10				Brown, fine SAND and SILT; dry			
					0.0		
15				Brown, fine to coarse SAND, some gravel; moist			
					0.0		
					0.0		Collect soil sample MW-3/17-19'
20							
25							End of Boring

BORING/FEET 2174.0001Y000.GPJ ROUX.GDT 4/1/13

GROUND
WATER LEVEL
2/13/13



ROUX ASSOCIATES, INC.
Environmental Consulting
& Management

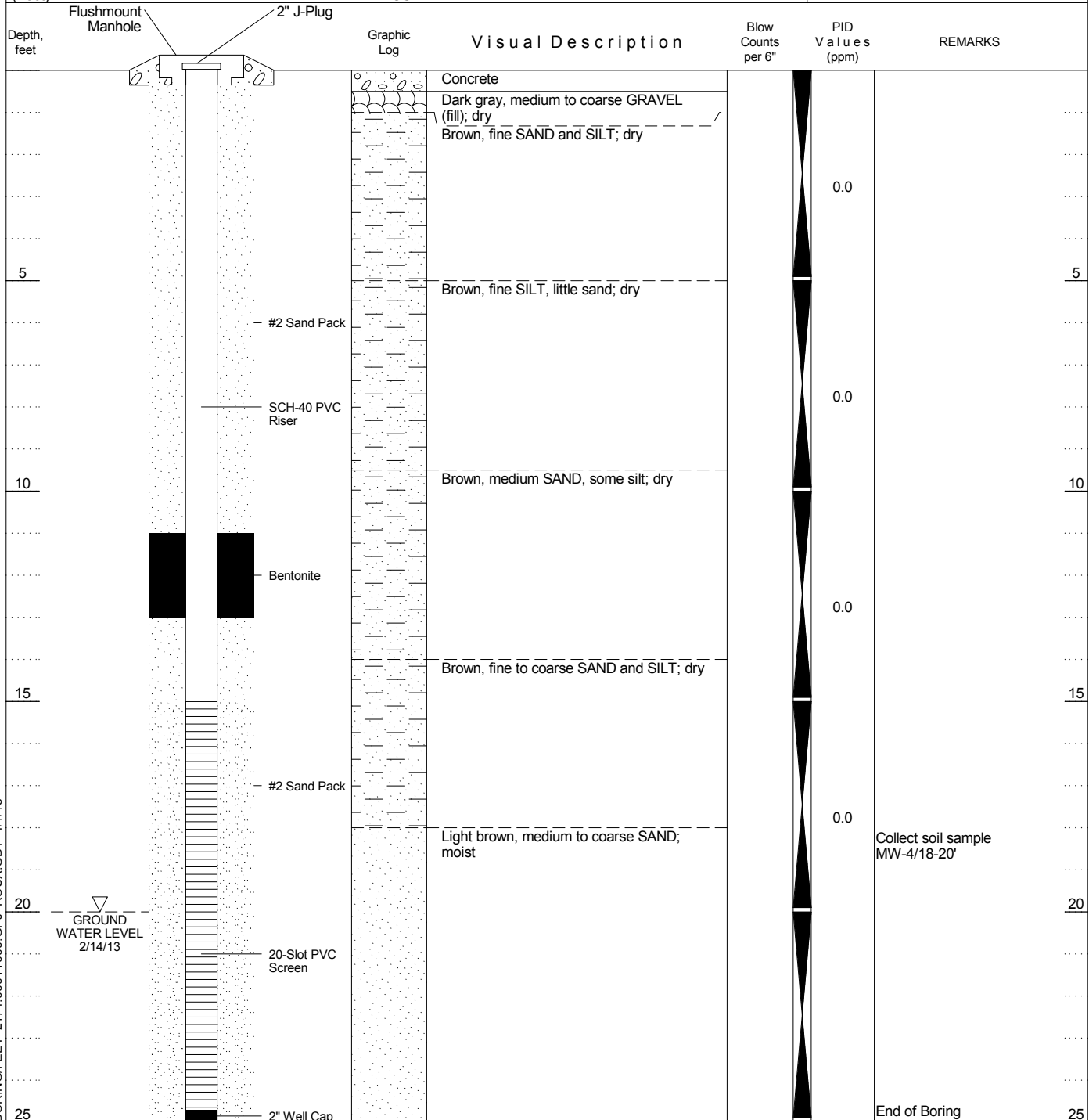
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Islandia, NY 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

WELL LOCATION SKETCH MAP

Page 1 of 1

WELL CONSTRUCTION LOG

WELL NO. MW-4	NORTHING 726391.5	EASTING 650801.5		
PROJECT NO./NAME 2174.0001Y000 / 810 River Ave		LOCATION 810 River Avenue		
APPROVED BY	LOGGED BY C. Prete	Bronx, NY		
DRILLING CONTRACTOR/DRILLER ADT / Chris M		GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE 3-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6610 / Geoprobe	SAMPLING METHOD 2" Macro-Core	START-FINISH DATE 2/14/13-2/14/13
CASING MAT./DIA. SCH 40 PVC / 2-inch	SCREEN: TYPE Slotted	MAT. SCH 40 PVC	TOTAL LENGTH 10.0ft	DIA. 2-inch SLOT SIZE 20-Slot
ELEVATION OF: (Feet)	GROUND SURFACE 27.88	TOP OF WELL CASING /	TOP & BOTTOM SCREEN /	GRAVEL PACK SIZES Morie #2



BORING/FEET 2174.0001Y000.GPJ ROUX.GDT 4/1/13



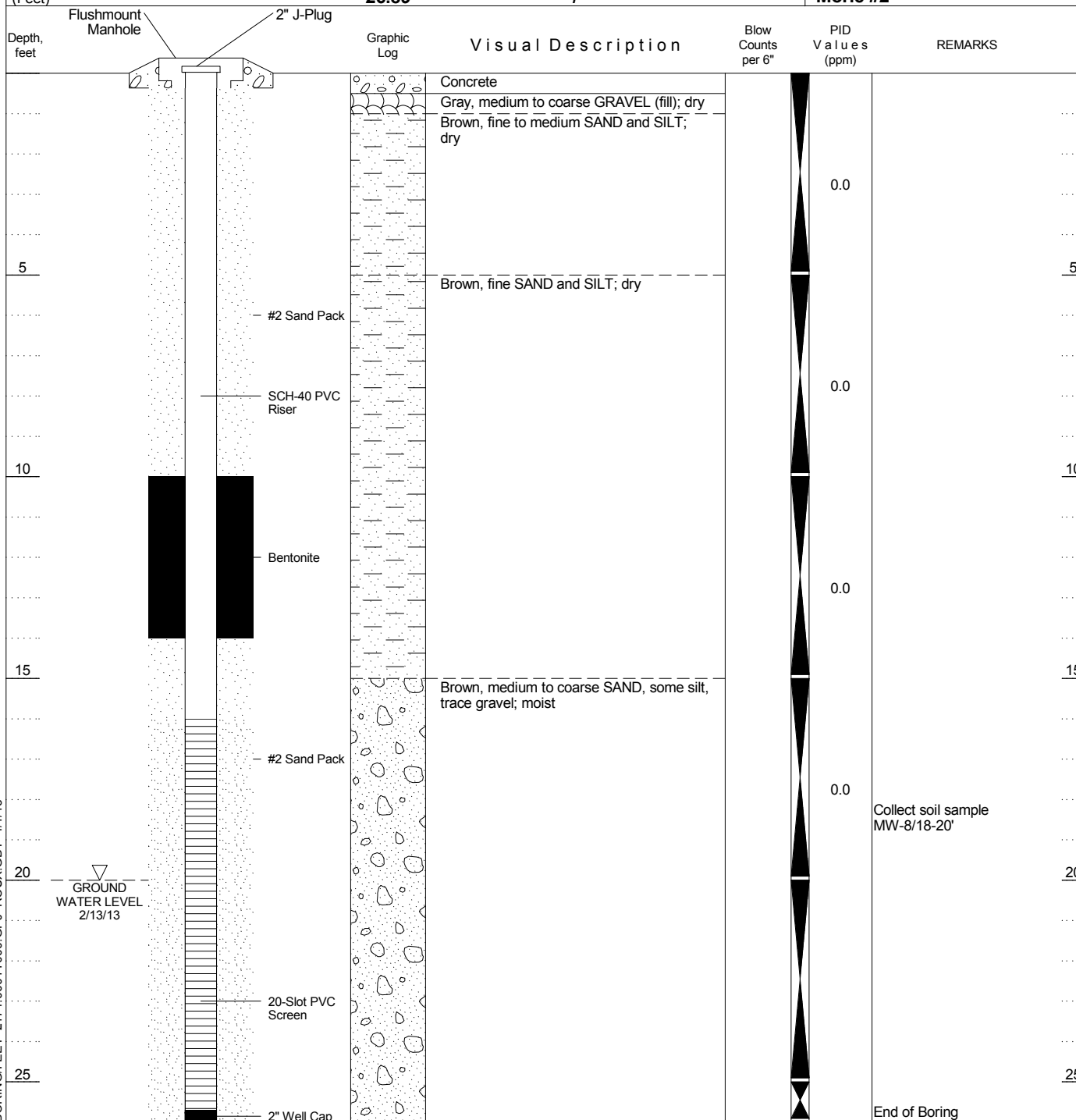
209 Shafter Street
Islandia, NY 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

WELL LOCATION SKETCH MAP

Page 1 of 1

WELL CONSTRUCTION LOG

WELL NO. MW-8		NORTHING 726497		EASTING 650818.6							
PROJECT NO./NAME 2174.0001Y000 / 810 River Ave				LOCATION 810 River Avenue							
APPROVED BY		LOGGED BY C. Prete		Bronx, NY							
DRILLING CONTRACTOR/DRILLER ADT / Chris M				GEOGRAPHIC AREA							
DRILL BIT DIAMETER/TYPE 8-in. / Auger		BOREHOLE DIAMETER 8-inches		DRILLING EQUIPMENT/METHOD 6610 / Geoprobe				SAMPLING METHOD 2" Macro-Core		START-FINISH DATE 2/13/13-2/13/13	
CASING MAT./DIA. SCH 40 PVC / 2-inch		SCREEN: TYPE Slotted		MAT. SCH 40 PVC		TOTAL LENGTH 10.0ft		DIA. 2-inch		SLOT SIZE 20-Slot	
ELEVATION OF: (Feet)		GROUND SURFACE		TOP OF WELL CASING		TOP & BOTTOM SCREEN		GRAVEL PACK SIZES Moire #2			
		26.89				/					



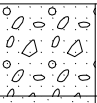
BORING/FEET 2174.0001Y000.GPJ ROUX.GDT 4/1/13

Page 1 of 1

SOIL BORING LOG

N

WELL NO. SB-1	NORTHING Not Measured	EASTING Not Measured		
PROJECT NO./NAME 2174.0001Y000 / 810 River Ave		LOCATION 810 River Avenue		
APPROVED BY	LOGGED BY C.Prete	Bronx, NY		
DRILLING CONTRACTOR/DRILLER ADT / Joey		GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE 2-in. / Hand Auger	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD / Hand Auger	SAMPLING METHOD 2" Hand Auger	START-FINISH DATE 2/15/13-2/15/13
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER 7 (Feet BLS)	BACKFILL Sand		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			
1		Brown, SILT, some Clay, trace fine Sand, dry			
2					
3					
4					
5					
6					
7		Brown, SILT, some Clay, trace fine Sand, moist			
					

BORING/FEET 2174.0001Y000.GPJ ROUX.GDT 4/1/13



ROUX ASSOCIATES, INC.
Environmental Consulting
& Management

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Islandia, NY 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

WELL LOCATION SKETCH MAP

Page 1 of 1

SOIL BORING LOG



WELL NO. SB-2		NORTHING Not Measured		EASTING Not Measured			
PROJECT NO./NAME 2174.0001Y000 / 810 River Ave				LOCATION 810 River Avenue Bronx, NY			
APPROVED BY		LOGGED BY C. Prete		GEOGRAPHIC AREA			
DRILLING CONTRACTOR/DRILLER ADT / Chris M							
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler		BOREHOLE DIAMETER 2-inches		DRILLING EQUIPMENT/METHOD 6610 / Geoprobe		SAMPLING METHOD 2" Macro-Core	START-FINISH DATE 2/12/13-2/12/13
LAND SURFACE ELEVATION Not Measured		DEPTH TO WATER 19 (Feet BLS)		BACKFILL Sand			

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete			
		Dark gray, coarse GRAVEL (fill); dry			
		Dark brown, fine to medium SAND; dry		0.0	
5		Light gray, fine to coarse SAND; dry			
		Brown, fine to medium SAND and Silt, trace coarse gravel; dry		0.0	
10		Brown, fine to medium SAND; wet			
				0.0	
15					
				0.0	Collect soil sample SB-2/17-19'
20					End of Boring

BORING/FEET 2174.0001Y000.GPJ ROUX.GDT 4/1/13

GROUND
WATER LEVEL
2/12/13



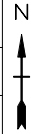
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WELL LOCATION SKETCH MAP

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SOIL BORING LOG



WELL NO. SB-5		NORTHING Not Measured		EASTING Not Measured	
PROJECT NO./NAME 2174.0001Y000 / 810 River Ave				LOCATION 810 River Avenue	
APPROVED BY		LOGGED BY C. Prete		Bronx, NY	
DRILLING CONTRACTOR/DRILLER ADT / Chris M				GEOGRAPHIC AREA	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler		BOREHOLE DIAMETER 2-inches		DRILLING EQUIPMENT/METHOD 6610 / Geoprobe	
LAND SURFACE ELEVATION Not Measured		DEPTH TO WATER 20 (Feet BLS)		SAMPLING METHOD 2" Macro-Core	
				START-FINISH DATE 2/12/13-2/12/13	
				BACKFILL Sand	

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete			
		Dark gray, medium to coarse GRAVEL (fill); dry			
		Reddish brown, fine to medium SAND; dry			
5				0.0	
10				0.0	
15				0.0	
		Light brown, fine to medium SAND; moist		0.0	Collect soil sample SB-5/18-20'
20					End of Boring

GROUND
WATER LEVEL
2/12/13

BORING/FEET 2174.0001Y000.GPJ ROUX.GDT 4/1/13



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WELL LOCATION SKETCH MAP

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SOIL BORING LOG



WELL NO. SB-6	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 2174.0001Y000 / 810 River Ave	LOCATION 810 River Avenue Bronx, NY	
APPROVED BY	LOGGED BY C. Prete	GEOGRAPHIC AREA
DRILLING CONTRACTOR/DRILLER ADT / Chris M		
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD 6610 / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER 20 (Feet BLS)	SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 2/12/13-2/12/13
		BACKFILL Sand

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete			
		Dark gray, medium to coarse GRAVEL (fill); dry			
		Brown, fine to medium SAND; dry			
5				0.0	
10				0.0	
15		Brown, fine to medium SAND, little silt; dry		0.0	
		Reddish brown, fine to medium SAND, trace silt; dry			
20		Brown, fine to medium SAND, trace silt; moist		0.0	
					Collect soil sample SB-6/18-20'
					End of Boring

GROUND
WATER LEVEL
2/12/13

BORING/FEET 2174.0001Y000.GPJ ROUX.GDT 4/1/13



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WELL LOCATION SKETCH MAP

Page 1 of 1

SOIL BORING LOG



WELL NO. SB-7	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 2174.0001Y000 / 810 River Ave	LOCATION 810 River Avenue Bronx, NY	
APPROVED BY	LOGGED BY C. Prete	GEOGRAPHIC AREA
DRILLING CONTRACTOR/DRILLER ADT / Chris M		
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD 6610 / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER 20 (Feet BLS)	BACKFILL Sand
		SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 2/13/13-2/13/13

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete			
		Black, medium to coarse GRAVEL (fill); dry			
		Brown, fine SAND and SILT; dry			
		Dark brown, fine SAND and SILT; dry		0.0	
5		Brown, fine SAND and SILT; dry			
				0.0	
10					
		Brown, fine to coarse SAND and SILT; dry		0.0	
15		Brown, fine to coarse SAND, little silt; moist			
				0.0	
20					Collect soil sample SB-7/18-20'
					End of Boring

GROUND
WATER LEVEL
12/13/13

BORING/FEET 2174.0001Y000.GPJ ROUX.GDT 4/1/13



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WELL LOCATION SKETCH MAP

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SOIL BORING LOG



WELL NO. SB-9		NORTHING Not Measured		EASTING Not Measured		
PROJECT NO./NAME 2174.0001Y000 / 810 River Ave				LOCATION 810 River Avenue Bronx, NY		
APPROVED BY		LOGGED BY C. Prete		GEOGRAPHIC AREA		
DRILLING CONTRACTOR/DRILLER ADT / Chris M						
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler		BOREHOLE DIAMETER 2-inches		DRILLING EQUIPMENT/METHOD 6610 / Geoprobe		
LAND SURFACE ELEVATION Not Measured		DEPTH TO WATER 20 (Feet BLS)		BACKFILL Sand		SAMPLING METHOD 2" Macro-Core
						START-FINISH DATE 2/12/13-2/12/13

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete			
		Black, medium to coarse GRAVEL (fill); dry			
		Dark brown, fine to coarse SAND and GRAVEL; dry			
				0.0	
		Brown, fine to medium SAND; dry			
5		Brown, fine to medium SAND, trace silt; dry			
				0.0	
10					
				0.0	
15		Brown, fine to medium SAND; dry			
				0.0	
		Brown, fine to medium SAND, some gravel; moist			Collect soil sample SB-9/18-20'
20					End of Boring

GROUND
WATER LEVEL
2/12/13

BORING/FEET 2174.0001Y000.GPJ ROUX.GDT 4/1/13

Groundwater Sampling Logs

Project Number:

Weather:	205 sunny	Date:	2/22/13
Well ID:	MW-3	Intake depth:	25'
DTW:	21.66	Vol Purged:	3 gallons.
DTB:	27.55		
Sampler:	C. Prete		
Purge Start:	0630	Purge End Time:	0710
Purge Water Description:	Brown to no odor.		

[illegible]

Sample MW-3 @ 0715

Project Number:

Date: 2/22/13
Intake depth: 25'
Vol Purged: 3 gallons
Purge End Time: 0810

[illegible]

Sample MW-4 @ 0820

Project Number:

Weather: 30's sunny Date: 2/22/13
Well ID: MW-10 Intake depth: 22'
DTW: 21.25 Vol Purged: 3 gallons
DTB: 24.36
Sampler: C. Prete
Purge Start: 0840 Purge End Time: 0918
Purge Water
Description: clear

[illegible]

Sample	MW-10 @ 0920	MW-10/MS @ 0940
	DUP022213 @ 0930	MW-10/MSD @ 0950

Project Number:

Sunny 3DS

Date: 2/22/2013

MW-8

Intake depth: 22'

20.40

Vol Purged: 5 gallons

24.50

C. Prete

1040

Purge End Time: 1135

Brown, cloudy.
no odor

[illegible]

Sample MW-8 @ 1145

well dry right before
Diss Metals sample. wait for
recharge.

Project Number:

30's clacky
\$W-1

Date: 2/22/13

Intake depth: 21'

18.3

Vol Purged: 2.5 gallons

23.1

C. Prete

1400

Purge End Time: 1435

clear, no odor

2" well

[illegible]

sampled SWH @ 1445

Soil Vapor Sampling Logs

Soil Vapor Sampling Form
810 River Avenue, Bronx, New York
Soil Vapor Sampling - Phase II

Date: 2/26/13 Time: 0830
Weather: unny
Temperature: 38°F Humidity: 88%
Wind Magnitude: 1 mph Wind Direction: East
Barometric Pressure: 30.27 Precipitation: 0%

Sampling Team: C. Prete

Sampling Location: SV-5

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

inside bowling alley

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: N/A

Sampling Depth: 6' feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: Yes

Apparent Moisture Content: N/A

Purge Rate: 0.18 Must be less than 0.2 L/min

Purge Time: 60 sec

Helium Rate at enclosure: 2500 ppm

Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time? Yes

Starting Pressure: 29" in. of Hg

Starting Time: 0847

Ending Time: 1130

Ending Pressure: 4 in. of Hg

Summa Canister Identification #: 23990

Flow Regulator ID # FL00849

Sample ID # SV-5

Time 1130

Analysis TO-15

Laboratory AIR TOXICS

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID: P10610
LEL: 0.0 %
CO: 0.0 %
O2: 20.9 %
VOC: 0.000 ppm
H2S: 0.0 %

Meter ID: P10476
LEL: 0.0 %
CO: 0.0 %
O2: 20.9 %
VOC: 0.0 ppm
H2S: 0.0 %
H2S

Meter ID: X
CO2: X %
O2: X %
Meter ID: X
CO2: X %
O2: X %

Soil Vapor Sampling Form
810 River Avenue, Bronx, New York
Soil Vapor Sampling - Phase II

Date: 2/26/13 Time: 0850
Weather: Sunny
Temperature: 38°F Humidity: 88%
Wind Magnitude: 6 mph Wind Direction: East
Barometric Pressure: 30.27 Precipitation: 0%

Sampling Team: C. Pate

Sampling Location: SV-3

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)
Inside bowling alley

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: N/A

Sampling Depth: 6' feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite: Yes
Apparent Moisture Content: N/A
Purge Rate: .18 Must be less than 0.2 L/min
Purge Time: 60 sec.
Helium Rate at enclosure: 6800
Helium Rate from sample tubing: 0 Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time? Yes

Starting Pressure: 30 in. of Hg
Starting Time: 10:20
Ending Time: 12:55
Ending Pressure: 4 in. of Hg

Summa Canister Identification #: 3574 33773
Flow Regulator ID #: F000365
Sample ID #: SV-3
Time: _____

Analysis TO-15
Laboratory AIR TOXICS

* 3574 too quick. Restarted with new summa
* 33773 NO VACUUM new summa

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID: P16610
LEL: 0.0 %
CO: 0.0 %
O2: 20.9 %
VOC: 0.0 ppm
H2S: 0.0 %

Meter ID: P10476
LEL: 0.0 %
CO: 0.0 %
O2: 20.9 %
VOC: 0.0 ppm
H2: 0.0 %

Meter ID: X
CO2: X %
O2: X %
Meter ID: X
CO2: X %
O2: X %

Soil Vapor Sampling Form
810 River Avenue, Bronx, New York
Soil Vapor Sampling - Phase II

Date: 2/26/13 Time: 0915
Weather: Sunny
Temperature: 39°F Humidity: 87%
Wind Magnitude: 3 mph Wind Direction: 3 mph East
Barometric Pressure: 30.29 Precipitation: 0%

Sampling Team: C. Prete
Sampling Location: SV-4
Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)
Inside boxing alley

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter
Utility Clearance Completed: N/A

Sampling Depth: 10' feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite: Yes
Apparent Moisture Content: N/A
Purge Rate: 0.18 Must be less than 0.2 L/min
Purge Time: 60 sec
Helium Rate at enclosure: 3600
Helium Rate from sample tubing: 0 Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time? Yes

Starting Pressure: 31 in. of Hg
Starting Time: 0930
Ending Time: 1232
Ending Pressure: 4 in. of Hg

Summa Canister Identification #: 5570
Flow Regulator ID #: FC00597
Sample ID #: SV-4
Time: 1232
Analysis: TO-15 Low Levels
Laboratory: Air Toxics

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID: <u>P6610</u>	Meter ID: <u>P10476</u>
LEL: <u>0.0</u> %	LEL: <u>0.0</u> %
CO: <u>0.0</u> %	CO: <u>0.0</u> %
O2: <u>20.9</u> %	O2: <u>20.9</u> %
VOC: <u>0.1</u> ppm	VOC: <u>0.0</u> ppm
H2S: <u>0.0</u> %	H2S: <u>0.0</u> %

Meter ID: X
CO2: X %
O2: X %
Meter ID: X
CO2: X %
O2: X %

Soil Vapor Sampling Form
810 River Avenue, Bronx, New York
Soil Vapor Sampling - Phase II

Date: 2/26/13 Time: 0930
Weather: Sunny
Temperature: 34°F Humidity: 87%
Wind Magnitude: 3 mph Wind Direction: East
Barometric Pressure: 30.29 Precipitation: 0%

Sampling Team: C. P. Rete

Sampling Location: SV-2

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

inside bowling alley

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: N/A

Sampling Depth: 6' feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: Yes

Apparent Moisture Content: N/A

Purge Rate: 0.18 Must be less than 0.2 L/min

Purge Time: 60 sec

Helium Rate at enclosure: 7600

Helium Rate from sample tubing: 80 Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time? Yes

Starting Pressure: 30 in. of Hg

Starting Time: 0945

Ending Time: 1205

Ending Pressure: 4 in. of Hg

Summa Canister Identification #: 34330

Flow Regulator ID #: FC00457

Sample ID #: SV-2

Time: 1205

Analysis TO-15 low levels

Laboratory AIR TOXICS

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID: P6610
LEL: 28.00 %
CO: 0.0 %
O2: 20.9 %
VOC: 0.0 ppm
H2S: 0.0 %

Meter ID: P10476
LEL: 0.0 %
CO: 0.0 %
O2: 20.9 %
VOC: 0.1 ppm
H2S: 0.0 %

Meter ID: X
CO2: X %
O2: X %
Meter ID: X
CO2: X %
O2: X %

Soil Vapor Sampling Form
810 River Avenue, Bronx, New York
Soil Vapor Sampling - Phase II

Date: 2/26/13 Time: 0945
Weather: Sunny
Temperature: 39°F Humidity: 87%
Wind Magnitude: 3 mph Wind Direction: East
Barometric Pressure: 30.29 Precipitation: 0%

Sampling Team: C. Prete

Sampling Location: SV-1

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)
inside parking alley

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: N/A

Sampling Depth: 6' feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: Yes

Apparent Moisture Content: N/A

Purge Rate: 0.18 Must be less than 0.2 L/min

Purge Time: 60 Sec

Helium Rate at enclosure: 8500

Helium Rate from sample tubing: 0 Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time? Yes

Starting Pressure: 30 in. of Hg

Starting Time: 1000

Ending Time: 1223

Ending Pressure: 4 in. of Hg

Summa Canister Identification #: 3529D

Flow Regulator ID #: FC00511

Sample ID #: SV-1

Time: 1223

Analysis: TO-15 low levels

Laboratory: Air Toxics Laboratory

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID: _____
LEL: 0.0 %
CO: 0.0 %
O2: 20.9 %
VOC: 0.0 ppm
H2S: 0.0 %

Meter ID: _____
LEL: 0.0 %
CO: 0.0 %
O2: 20.9 %
VOC: 0.0 ppm
H2S: 0.0 %

Meter ID: _____
CO2: _____ %
O2: _____ %
Meter ID: _____
CO2: _____ %
O2: _____ %

H2S

Laboratory Reports

3/12/2013

Ms. Christina Prete
Roux Associates
209 Shafter Street

Islandia NY 11749

Project Name: 810 River Ave
Project #: 2174.00014000
Workorder #: 1302508

Dear Ms. Christina Prete

The following report includes the data for the above referenced project for sample(s) received on 2/27/2013 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott
Project Manager

WORK ORDER #: 1302508

Work Order Summary

CLIENT: Ms. Christina Prete
Roux Associates
209 Shafter Street
Islandia, NY 11749

BILL TO: Accounts Payable
Roux Associates
209 Shafter Street
Islandia, NY 11749

PHONE: 631) 232-2600

P.O. # 89987

FAX: (631) 232-9898

PROJECT # 2174.00014000 810 River Ave

DATE RECEIVED: 02/27/2013

CONTACT: Ausha Scott

DATE COMPLETED: 03/12/2013

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SV-1	Modified TO-15	1.2 "Hg	5 psi
02A	SV-2	Modified TO-15	3.0 "Hg	5 psi
03A	SV-3	Modified TO-15	0.6 "Hg	5 psi
04A	SV-4	Modified TO-15	2.2 "Hg	5 psi
05A	SV-5	Modified TO-15	2.6 "Hg	5 psi
06A	Lab Blank	Modified TO-15	NA	NA
07A	CCV	Modified TO-15	NA	NA
08A	LCS	Modified TO-15	NA	NA
08AA	LCSD	Modified TO-15	NA	NA

CERTIFIED BY:



Technical Director

DATE: 03/12/13

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NY NELAP - 11291,
TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, WA NELAP - C935

Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005, Effective date: 10/18/2011, Expiration date: 10/17/2012.

Eurofins Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563

(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020



LABORATORY NARRATIVE
Modified TO-15
Roux Associates
Workorder# 1302508

Five 6 Liter Summa Canister samples were received on February 27, 2013. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
Initial Calibration	$\leq 30\%$ RSD with 2 compounds allowed out to $< 40\%$ RSD	$\leq 30\%$ RSD with 4 compounds allowed out to $< 40\%$ RSD
Blank and standards	Zero Air	UHP Nitrogen provides a higher purity gas matrix than zero air

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Dilution was performed on samples SV-3 and SV-5 due to the presence of high level target species.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Due to the linear calibration range of the instrument, the reporting limit for Ethanol was raised from 0.50 ppbv to 1.0 ppbv.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SV-1

Lab ID#: 1302508-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.14	0.68	0.69	3.4
Chloromethane	0.14	0.19	0.29	0.39
Freon 11	0.14	0.31	0.79	1.7
Ethanol	1.4	4.6	2.6	8.6
Acetone	0.70	3.6	1.7	8.5
Methylene Chloride	0.28	0.42	0.97	1.5
Hexane	0.14	0.16	0.49	0.57
1,1,1-Trichloroethane	0.14	0.32	0.76	1.8
Trichloroethene	0.14	1.2	0.75	6.3
Tetrachloroethene	0.14	1.5	0.95	10

Client Sample ID: SV-2

Lab ID#: 1302508-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.15	0.76	0.74	3.8
Freon 11	0.15	0.33	0.84	1.8
Ethanol	1.5	2.5	2.8	4.7
Acetone	0.74	2.5	1.8	5.9
Hexane	0.15	0.18	0.52	0.62
cis-1,2-Dichloroethene	0.15	0.86	0.59	3.4
Chloroform	0.15	1.7	0.73	8.3
1,1,1-Trichloroethane	0.15	0.52	0.81	2.8
Cyclohexane	0.15	0.33	0.51	1.1
Benzene	0.15	0.20	0.48	0.63
Trichloroethene	0.15	5.4	0.80	29
Toluene	0.15	1.0	0.56	3.8
Tetrachloroethene	0.15	55	1.0	370
Ethyl Benzene	0.15	0.44	0.65	1.9
m,p-Xylene	0.15	1.5	0.65	6.5
o-Xylene	0.15	0.72	0.65	3.1
Styrene	0.15	0.16	0.63	0.67
4-Ethyltoluene	0.15	0.45	0.73	2.2

Summary of Detected Compounds

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SV-2

Lab ID#: 1302508-02A

1,2,4-Trimethylbenzene	0.15	0.41	0.73	2.0

Client Sample ID: SV-3

Lab ID#: 1302508-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.43	1.6	2.1	7.8
Freon 11	0.43	0.57	2.4	3.2
Ethanol	4.3	4.9	8.1	9.2
Acetone	2.1	3.5	5.1	8.4
Hexane	0.43	0.45	1.5	1.6
Chloroform	0.43	5.3	2.1	26
1,1,1-Trichloroethane	0.43	0.94	2.3	5.1
Cyclohexane	0.43	0.71	1.5	2.4
Trichloroethene	0.43	3.1	2.3	17
Toluene	0.43	1.1	1.6	4.3
Tetrachloroethene	0.43	110	2.9	750
Ethyl Benzene	0.43	0.55	1.8	2.4
m,p-Xylene	0.43	1.7	1.8	7.2
o-Xylene	0.43	0.62	1.8	2.7
4-Ethyltoluene	0.43	0.75	2.1	3.7
1,2,4-Trimethylbenzene	0.43	0.68	2.1	3.3

Client Sample ID: SV-4

Lab ID#: 1302508-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.14	0.63	0.72	3.1
Freon 11	0.14	0.33	0.81	1.8
Acetone	0.72	0.87	1.7	2.1
Methylene Chloride	0.29	0.28 J	1.0	0.99 J
cis-1,2-Dichloroethene	0.14	0.33	0.57	1.3
Chloroform	0.14	0.37	0.71	1.8
1,1,1-Trichloroethane	0.14	0.41	0.79	2.2

Summary of Detected Compounds

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SV-4

Lab ID#: 1302508-04A

Cyclohexane	0.14	0.16	0.50	0.55
Trichloroethene	0.14	2.8	0.78	15
Toluene	0.14	0.49	0.55	1.8
Tetrachloroethene	0.14	38	0.98	260
Ethyl Benzene	0.14	0.18	0.63	0.78
m,p-Xylene	0.14	0.90	0.63	3.9
o-Xylene	0.14	0.37	0.63	1.6
4-Ethyltoluene	0.14	0.15	0.71	0.76
1,2,4-Trimethylbenzene	0.14	0.23	0.71	1.1

Client Sample ID: SV-5

Lab ID#: 1302508-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.61	2.2	3.0	11
Carbon Disulfide	3.1	10 J	9.5	31 J
Methylene Chloride	1.2	1.8	4.2	6.4
Hexane	0.61	11	2.2	39
Chloroform	0.61	10	3.0	50
1,1,1-Trichloroethane	0.61	1.4	3.3	7.9
Cyclohexane	0.61	9.9	2.1	34
2,2,4-Trimethylpentane	3.1	50	14	230
Benzene	0.61	14	2.0	46
Heptane	0.61	10	2.5	43
Trichloroethene	0.61	1.5	3.3	8.3
Toluene	0.61	96	2.3	360
Tetrachloroethene	0.61	120	4.2	850
Ethyl Benzene	0.61	18	2.6	78
m,p-Xylene	0.61	66	2.6	290
o-Xylene	0.61	20	2.6	88
Cumene	0.61	1.1	3.0	5.4
Propylbenzene	0.61	2.1	3.0	10
4-Ethyltoluene	0.61	9.2	3.0	45
1,3,5-Trimethylbenzene	0.61	2.8	3.0	14
1,2,4-Trimethylbenzene	0.61	6.2	3.0	30



Air Toxics

Client Sample ID: SV-1

Lab ID#: 1302508-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	e030414	Date of Collection:	2/26/13 12:23:00 PM
Dil. Factor:	1.40	Date of Analysis:	3/4/13 08:41 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.14	0.68	0.69	3.4
Freon 114	0.14	Not Detected	0.98	Not Detected
Chloromethane	0.14	0.19	0.29	0.39
Vinyl Chloride	0.14	Not Detected	0.36	Not Detected
1,3-Butadiene	0.14	Not Detected	0.31	Not Detected
Bromomethane	0.70	Not Detected	2.7	Not Detected
Chloroethane	0.70	Not Detected	1.8	Not Detected
Freon 11	0.14	0.31	0.79	1.7
Ethanol	1.4	4.6	2.6	8.6
Freon 113	0.14	Not Detected	1.1	Not Detected
1,1-Dichloroethene	0.14	Not Detected	0.56	Not Detected
Acetone	0.70	3.6	1.7	8.5
2-Propanol	0.70	Not Detected	1.7	Not Detected
Carbon Disulfide	0.70	Not Detected	2.2	Not Detected
3-Chloropropene	0.70	Not Detected	2.2	Not Detected
Methylene Chloride	0.28	0.42	0.97	1.5
Methyl tert-butyl ether	0.14	Not Detected	0.50	Not Detected
trans-1,2-Dichloroethene	0.14	Not Detected	0.56	Not Detected
Hexane	0.14	0.16	0.49	0.57
1,1-Dichloroethane	0.14	Not Detected	0.57	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.70	Not Detected	2.1	Not Detected
cis-1,2-Dichloroethene	0.14	Not Detected	0.56	Not Detected
Tetrahydrofuran	0.70	Not Detected	2.1	Not Detected
Chloroform	0.14	Not Detected	0.68	Not Detected
1,1,1-Trichloroethane	0.14	0.32	0.76	1.8
Cyclohexane	0.14	Not Detected	0.48	Not Detected
Carbon Tetrachloride	0.14	Not Detected UJ	0.88	Not Detected UJ
2,2,4-Trimethylpentane	0.70	Not Detected	3.3	Not Detected
Benzene	0.14	Not Detected	0.45	Not Detected
1,2-Dichloroethane	0.14	Not Detected	0.57	Not Detected
Heptane	0.14	Not Detected	0.57	Not Detected
Trichloroethene	0.14	1.2	0.75	6.3
1,2-Dichloropropane	0.14	Not Detected	0.65	Not Detected
1,4-Dioxane	0.14	Not Detected	0.50	Not Detected
Bromodichloromethane	0.14	Not Detected	0.94	Not Detected
cis-1,3-Dichloropropene	0.14	Not Detected	0.64	Not Detected
4-Methyl-2-pentanone	0.14	Not Detected	0.57	Not Detected
Toluene	0.14	Not Detected	0.53	Not Detected
trans-1,3-Dichloropropene	0.14	Not Detected	0.64	Not Detected
1,1,2-Trichloroethane	0.14	Not Detected	0.76	Not Detected
Tetrachloroethene	0.14	1.5	0.95	10
2-Hexanone	0.70	Not Detected	2.9	Not Detected



Air Toxics

Client Sample ID: SV-1

Lab ID#: 1302508-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	e030414	Date of Collection: 2/26/13 12:23:00 PM
Dil. Factor:	1.40	Date of Analysis: 3/4/13 08:41 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.14	Not Detected	1.2	Not Detected
1,2-Dibromoethane (EDB)	0.14	Not Detected	1.1	Not Detected
Chlorobenzene	0.14	Not Detected	0.64	Not Detected
Ethyl Benzene	0.14	Not Detected	0.61	Not Detected
m,p-Xylene	0.14	Not Detected	0.61	Not Detected
o-Xylene	0.14	Not Detected	0.61	Not Detected
Styrene	0.14	Not Detected	0.60	Not Detected
Bromoform	0.14	Not Detected	1.4	Not Detected
Cumene	0.14	Not Detected	0.69	Not Detected
1,1,2,2-Tetrachloroethane	0.14	Not Detected	0.96	Not Detected
Propylbenzene	0.14	Not Detected	0.69	Not Detected
4-Ethyltoluene	0.14	Not Detected	0.69	Not Detected
1,3,5-Trimethylbenzene	0.14	Not Detected	0.69	Not Detected
1,2,4-Trimethylbenzene	0.14	Not Detected	0.69	Not Detected
1,3-Dichlorobenzene	0.14	Not Detected	0.84	Not Detected
1,4-Dichlorobenzene	0.14	Not Detected	0.84	Not Detected
alpha-Chlorotoluene	0.14	Not Detected	0.72	Not Detected
1,2-Dichlorobenzene	0.14	Not Detected	0.84	Not Detected
1,2,4-Trichlorobenzene	0.70	Not Detected	5.2	Not Detected
Hexachlorobutadiene	0.70	Not Detected	7.5	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	93	70-130



Air Toxics

Client Sample ID: SV-2

Lab ID#: 1302508-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	e030415	Date of Collection:	2/26/13 12:05:00 PM
Dil. Factor:	1.49	Date of Analysis:	3/4/13 09:34 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.15	0.76	0.74	3.8
Freon 114	0.15	Not Detected	1.0	Not Detected
Chloromethane	0.15	Not Detected	0.31	Not Detected
Vinyl Chloride	0.15	Not Detected	0.38	Not Detected
1,3-Butadiene	0.15	Not Detected	0.33	Not Detected
Bromomethane	0.74	Not Detected	2.9	Not Detected
Chloroethane	0.74	Not Detected	2.0	Not Detected
Freon 11	0.15	0.33	0.84	1.8
Ethanol	1.5	2.5	2.8	4.7
Freon 113	0.15	Not Detected	1.1	Not Detected
1,1-Dichloroethene	0.15	Not Detected	0.59	Not Detected
Acetone	0.74	2.5	1.8	5.9
2-Propanol	0.74	Not Detected	1.8	Not Detected
Carbon Disulfide	0.74	Not Detected	2.3	Not Detected
3-Chloropropene	0.74	Not Detected	2.3	Not Detected
Methylene Chloride	0.30	Not Detected	1.0	Not Detected
Methyl tert-butyl ether	0.15	Not Detected	0.54	Not Detected
trans-1,2-Dichloroethene	0.15	Not Detected	0.59	Not Detected
Hexane	0.15	0.18	0.52	0.62
1,1-Dichloroethane	0.15	Not Detected	0.60	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.74	Not Detected	2.2	Not Detected
cis-1,2-Dichloroethene	0.15	0.86	0.59	3.4
Tetrahydrofuran	0.74	Not Detected	2.2	Not Detected
Chloroform	0.15	1.7	0.73	8.3
1,1,1-Trichloroethane	0.15	0.52	0.81	2.8
Cyclohexane	0.15	0.33	0.51	1.1
Carbon Tetrachloride	0.15	Not Detected UJ	0.94	Not Detected UJ
2,2,4-Trimethylpentane	0.74	Not Detected	3.5	Not Detected
Benzene	0.15	0.20	0.48	0.63
1,2-Dichloroethane	0.15	Not Detected	0.60	Not Detected
Heptane	0.15	Not Detected	0.61	Not Detected
Trichloroethene	0.15	5.4	0.80	29
1,2-Dichloropropane	0.15	Not Detected	0.69	Not Detected
1,4-Dioxane	0.15	Not Detected	0.54	Not Detected
Bromodichloromethane	0.15	Not Detected	1.0	Not Detected
cis-1,3-Dichloropropene	0.15	Not Detected	0.68	Not Detected
4-Methyl-2-pentanone	0.15	Not Detected	0.61	Not Detected
Toluene	0.15	1.0	0.56	3.8
trans-1,3-Dichloropropene	0.15	Not Detected	0.68	Not Detected
1,1,2-Trichloroethane	0.15	Not Detected	0.81	Not Detected
Tetrachloroethene	0.15	55	1.0	370
2-Hexanone	0.74	Not Detected	3.0	Not Detected

Client Sample ID: SV-2

Lab ID#: 1302508-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	e030415	Date of Collection: 2/26/13 12:05:00 PM
Dil. Factor:	1.49	Date of Analysis: 3/4/13 09:34 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.15	Not Detected	1.3	Not Detected
1,2-Dibromoethane (EDB)	0.15	Not Detected	1.1	Not Detected
Chlorobenzene	0.15	Not Detected	0.68	Not Detected
Ethyl Benzene	0.15	0.44	0.65	1.9
m,p-Xylene	0.15	1.5	0.65	6.5
o-Xylene	0.15	0.72	0.65	3.1
Styrene	0.15	0.16	0.63	0.67
Bromoform	0.15	Not Detected	1.5	Not Detected
Cumene	0.15	Not Detected	0.73	Not Detected
1,1,2,2-Tetrachloroethane	0.15	Not Detected	1.0	Not Detected
Propylbenzene	0.15	Not Detected	0.73	Not Detected
4-Ethyltoluene	0.15	0.45	0.73	2.2
1,3,5-Trimethylbenzene	0.15	Not Detected	0.73	Not Detected
1,2,4-Trimethylbenzene	0.15	0.41	0.73	2.0
1,3-Dichlorobenzene	0.15	Not Detected	0.90	Not Detected
1,4-Dichlorobenzene	0.15	Not Detected	0.90	Not Detected
alpha-Chlorotoluene	0.15	Not Detected	0.77	Not Detected
1,2-Dichlorobenzene	0.15	Not Detected	0.90	Not Detected
1,2,4-Trichlorobenzene	0.74	Not Detected	5.5	Not Detected
Hexachlorobutadiene	0.74	Not Detected	7.9	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	91	70-130



Air Toxics

Client Sample ID: SV-3

Lab ID#: 1302508-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	e030416	Date of Collection: 2/26/13 12:55:00 PM
Dil. Factor:	4.28	Date of Analysis: 3/4/13 10:19 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.43	1.6	2.1	7.8
Freon 114	0.43	Not Detected	3.0	Not Detected
Chloromethane	0.43	Not Detected	0.88	Not Detected
Vinyl Chloride	0.43	Not Detected	1.1	Not Detected
1,3-Butadiene	0.43	Not Detected	0.95	Not Detected
Bromomethane	2.1	Not Detected	8.3	Not Detected
Chloroethane	2.1	Not Detected	5.6	Not Detected
Freon 11	0.43	0.57	2.4	3.2
Ethanol	4.3	4.9	8.1	9.2
Freon 113	0.43	Not Detected	3.3	Not Detected
1,1-Dichloroethene	0.43	Not Detected	1.7	Not Detected
Acetone	2.1	3.5	5.1	8.4
2-Propanol	2.1	Not Detected	5.2	Not Detected
Carbon Disulfide	2.1	Not Detected	6.7	Not Detected
3-Chloropropene	2.1	Not Detected	6.7	Not Detected
Methylene Chloride	0.86	Not Detected	3.0	Not Detected
Methyl tert-butyl ether	0.43	Not Detected	1.5	Not Detected
trans-1,2-Dichloroethene	0.43	Not Detected	1.7	Not Detected
Hexane	0.43	0.45	1.5	1.6
1,1-Dichloroethane	0.43	Not Detected	1.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.1	Not Detected	6.3	Not Detected
cis-1,2-Dichloroethene	0.43	Not Detected	1.7	Not Detected
Tetrahydrofuran	2.1	Not Detected	6.3	Not Detected
Chloroform	0.43	5.3	2.1	26
1,1,1-Trichloroethane	0.43	0.94	2.3	5.1
Cyclohexane	0.43	0.71	1.5	2.4
Carbon Tetrachloride	0.43	Not Detected UJ	2.7	Not Detected UJ
2,2,4-Trimethylpentane	2.1	Not Detected	10	Not Detected
Benzene	0.43	Not Detected	1.4	Not Detected
1,2-Dichloroethane	0.43	Not Detected	1.7	Not Detected
Heptane	0.43	Not Detected	1.8	Not Detected
Trichloroethene	0.43	3.1	2.3	17
1,2-Dichloropropane	0.43	Not Detected	2.0	Not Detected
1,4-Dioxane	0.43	Not Detected	1.5	Not Detected
Bromodichloromethane	0.43	Not Detected	2.9	Not Detected
cis-1,3-Dichloropropene	0.43	Not Detected	1.9	Not Detected
4-Methyl-2-pentanone	0.43	Not Detected	1.8	Not Detected
Toluene	0.43	1.1	1.6	4.3
trans-1,3-Dichloropropene	0.43	Not Detected	1.9	Not Detected
1,1,2-Trichloroethane	0.43	Not Detected	2.3	Not Detected
Tetrachloroethene	0.43	110	2.9	750
2-Hexanone	2.1	Not Detected	8.8	Not Detected

Client Sample ID: SV-3

Lab ID#: 1302508-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	e030416	Date of Collection: 2/26/13 12:55:00 PM
Dil. Factor:	4.28	Date of Analysis: 3/4/13 10:19 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.43	Not Detected	3.6	Not Detected
1,2-Dibromoethane (EDB)	0.43	Not Detected	3.3	Not Detected
Chlorobenzene	0.43	Not Detected	2.0	Not Detected
Ethyl Benzene	0.43	0.55	1.8	2.4
m,p-Xylene	0.43	1.7	1.8	7.2
o-Xylene	0.43	0.62	1.8	2.7
Styrene	0.43	Not Detected	1.8	Not Detected
Bromoform	0.43	Not Detected	4.4	Not Detected
Cumene	0.43	Not Detected	2.1	Not Detected
1,1,2,2-Tetrachloroethane	0.43	Not Detected	2.9	Not Detected
Propylbenzene	0.43	Not Detected	2.1	Not Detected
4-Ethyltoluene	0.43	0.75	2.1	3.7
1,3,5-Trimethylbenzene	0.43	Not Detected	2.1	Not Detected
1,2,4-Trimethylbenzene	0.43	0.68	2.1	3.3
1,3-Dichlorobenzene	0.43	Not Detected	2.6	Not Detected
1,4-Dichlorobenzene	0.43	Not Detected	2.6	Not Detected
alpha-Chlorotoluene	0.43	Not Detected	2.2	Not Detected
1,2-Dichlorobenzene	0.43	Not Detected	2.6	Not Detected
1,2,4-Trichlorobenzene	2.1	Not Detected	16	Not Detected
Hexachlorobutadiene	2.1	Not Detected	23	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	90	70-130

Client Sample ID: SV-4

Lab ID#: 1302508-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	e030417	Date of Collection: 2/26/13 12:32:00 PM
Dil. Factor:	1.45	Date of Analysis: 3/4/13 11:14 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.14	0.63	0.72	3.1
Freon 114	0.14	Not Detected	1.0	Not Detected
Chloromethane	0.14	Not Detected	0.30	Not Detected
Vinyl Chloride	0.14	Not Detected	0.37	Not Detected
1,3-Butadiene	0.14	Not Detected	0.32	Not Detected
Bromomethane	0.72	Not Detected	2.8	Not Detected
Chloroethane	0.72	Not Detected	1.9	Not Detected
Freon 11	0.14	0.33	0.81	1.8
Ethanol	1.4	Not Detected	2.7	Not Detected
Freon 113	0.14	Not Detected	1.1	Not Detected
1,1-Dichloroethene	0.14	Not Detected	0.57	Not Detected
Acetone	0.72	0.87	1.7	2.1
2-Propanol	0.72	Not Detected	1.8	Not Detected
Carbon Disulfide	0.72	Not Detected	2.2	Not Detected
3-Chloropropene	0.72	Not Detected	2.3	Not Detected
Methylene Chloride	0.29	0.28 J	1.0	0.99 J
Methyl tert-butyl ether	0.14	Not Detected	0.52	Not Detected
trans-1,2-Dichloroethene	0.14	Not Detected	0.57	Not Detected
Hexane	0.14	Not Detected	0.51	Not Detected
1,1-Dichloroethane	0.14	Not Detected	0.59	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.72	Not Detected	2.1	Not Detected
cis-1,2-Dichloroethene	0.14	0.33	0.57	1.3
Tetrahydrofuran	0.72	Not Detected	2.1	Not Detected
Chloroform	0.14	0.37	0.71	1.8
1,1,1-Trichloroethane	0.14	0.41	0.79	2.2
Cyclohexane	0.14	0.16	0.50	0.55
Carbon Tetrachloride	0.14	Not Detected UJ	0.91	Not Detected UJ
2,2,4-Trimethylpentane	0.72	Not Detected	3.4	Not Detected
Benzene	0.14	Not Detected	0.46	Not Detected
1,2-Dichloroethane	0.14	Not Detected	0.59	Not Detected
Heptane	0.14	Not Detected	0.59	Not Detected
Trichloroethene	0.14	2.8	0.78	15
1,2-Dichloropropane	0.14	Not Detected	0.67	Not Detected
1,4-Dioxane	0.14	Not Detected	0.52	Not Detected
Bromodichloromethane	0.14	Not Detected	0.97	Not Detected
cis-1,3-Dichloropropene	0.14	Not Detected	0.66	Not Detected
4-Methyl-2-pentanone	0.14	Not Detected	0.59	Not Detected
Toluene	0.14	0.49	0.55	1.8
trans-1,3-Dichloropropene	0.14	Not Detected	0.66	Not Detected
1,1,2-Trichloroethane	0.14	Not Detected	0.79	Not Detected
Tetrachloroethene	0.14	38	0.98	260
2-Hexanone	0.72	Not Detected	3.0	Not Detected

Client Sample ID: SV-4

Lab ID#: 1302508-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	e030417	Date of Collection: 2/26/13 12:32:00 PM
Dil. Factor:	1.45	Date of Analysis: 3/4/13 11:14 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.14	Not Detected	1.2	Not Detected
1,2-Dibromoethane (EDB)	0.14	Not Detected	1.1	Not Detected
Chlorobenzene	0.14	Not Detected	0.67	Not Detected
Ethyl Benzene	0.14	0.18	0.63	0.78
m,p-Xylene	0.14	0.90	0.63	3.9
o-Xylene	0.14	0.37	0.63	1.6
Styrene	0.14	Not Detected	0.62	Not Detected
Bromoform	0.14	Not Detected	1.5	Not Detected
Cumene	0.14	Not Detected	0.71	Not Detected
1,1,2,2-Tetrachloroethane	0.14	Not Detected	1.0	Not Detected
Propylbenzene	0.14	Not Detected	0.71	Not Detected
4-Ethyltoluene	0.14	0.15	0.71	0.76
1,3,5-Trimethylbenzene	0.14	Not Detected	0.71	Not Detected
1,2,4-Trimethylbenzene	0.14	0.23	0.71	1.1
1,3-Dichlorobenzene	0.14	Not Detected	0.87	Not Detected
1,4-Dichlorobenzene	0.14	Not Detected	0.87	Not Detected
alpha-Chlorotoluene	0.14	Not Detected	0.75	Not Detected
1,2-Dichlorobenzene	0.14	Not Detected	0.87	Not Detected
1,2,4-Trichlorobenzene	0.72	Not Detected	5.4	Not Detected
Hexachlorobutadiene	0.72	Not Detected	7.7	Not Detected

J = Estimated value.

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	91	70-130

Client Sample ID: SV-5

Lab ID#: 1302508-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	e030418	Date of Collection: 2/26/13 11:30:00 AM
Dil. Factor:	6.12	Date of Analysis: 3/5/13 07:53 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.61	2.2	3.0	11
Freon 114	0.61	Not Detected	4.3	Not Detected
Chloromethane	0.61	Not Detected	1.3	Not Detected
Vinyl Chloride	0.61	Not Detected	1.6	Not Detected
1,3-Butadiene	0.61	Not Detected	1.4	Not Detected
Bromomethane	3.1	Not Detected	12	Not Detected
Chloroethane	3.1	Not Detected	8.1	Not Detected
Freon 11	0.61	Not Detected	3.4	Not Detected
Ethanol	6.1	Not Detected	12	Not Detected
Freon 113	0.61	Not Detected	4.7	Not Detected
1,1-Dichloroethene	0.61	Not Detected	2.4	Not Detected
Acetone	3.1	Not Detected	7.3	Not Detected
2-Propanol	3.1	Not Detected	7.5	Not Detected
Carbon Disulfide	3.1	10 J	9.5	31 J
3-Chloropropene	3.1	Not Detected	9.6	Not Detected
Methylene Chloride	1.2	1.8	4.2	6.4
Methyl tert-butyl ether	0.61	Not Detected	2.2	Not Detected
trans-1,2-Dichloroethene	0.61	Not Detected	2.4	Not Detected
Hexane	0.61	11	2.2	39
1,1-Dichloroethane	0.61	Not Detected	2.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.1	Not Detected	9.0	Not Detected
cis-1,2-Dichloroethene	0.61	Not Detected	2.4	Not Detected
Tetrahydrofuran	3.1	Not Detected	9.0	Not Detected
Chloroform	0.61	10	3.0	50
1,1,1-Trichloroethane	0.61	1.4	3.3	7.9
Cyclohexane	0.61	9.9	2.1	34
Carbon Tetrachloride	0.61	Not Detected UJ	3.8	Not Detected UJ
2,2,4-Trimethylpentane	3.1	50	14	230
Benzene	0.61	14	2.0	46
1,2-Dichloroethane	0.61	Not Detected	2.5	Not Detected
Heptane	0.61	10	2.5	43
Trichloroethene	0.61	1.5	3.3	8.3
1,2-Dichloropropane	0.61	Not Detected	2.8	Not Detected
1,4-Dioxane	0.61	Not Detected	2.2	Not Detected
Bromodichloromethane	0.61	Not Detected	4.1	Not Detected
cis-1,3-Dichloropropene	0.61	Not Detected	2.8	Not Detected
4-Methyl-2-pentanone	0.61	Not Detected	2.5	Not Detected
Toluene	0.61	96	2.3	360
trans-1,3-Dichloropropene	0.61	Not Detected	2.8	Not Detected
1,1,2-Trichloroethane	0.61	Not Detected	3.3	Not Detected
Tetrachloroethene	0.61	120	4.2	850
2-Hexanone	3.1	Not Detected	12	Not Detected

Client Sample ID: SV-5

Lab ID#: 1302508-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	e030418	Date of Collection: 2/26/13 11:30:00 AM
Dil. Factor:	6.12	Date of Analysis: 3/5/13 07:53 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.61	Not Detected	5.2	Not Detected
1,2-Dibromoethane (EDB)	0.61	Not Detected	4.7	Not Detected
Chlorobenzene	0.61	Not Detected	2.8	Not Detected
Ethyl Benzene	0.61	18	2.6	78
m,p-Xylene	0.61	66	2.6	290
o-Xylene	0.61	20	2.6	88
Styrene	0.61	Not Detected	2.6	Not Detected
Bromoform	0.61	Not Detected	6.3	Not Detected
Cumene	0.61	1.1	3.0	5.4
1,1,2,2-Tetrachloroethane	0.61	Not Detected	4.2	Not Detected
Propylbenzene	0.61	2.1	3.0	10
4-Ethyltoluene	0.61	9.2	3.0	45
1,3,5-Trimethylbenzene	0.61	2.8	3.0	14
1,2,4-Trimethylbenzene	0.61	6.2	3.0	30
1,3-Dichlorobenzene	0.61	Not Detected	3.7	Not Detected
1,4-Dichlorobenzene	0.61	Not Detected	3.7	Not Detected
alpha-Chlorotoluene	0.61	Not Detected	3.2	Not Detected
1,2-Dichlorobenzene	0.61	Not Detected	3.7	Not Detected
1,2,4-Trichlorobenzene	3.1	Not Detected	23	Not Detected
Hexachlorobutadiene	3.1	Not Detected	33	Not Detected

J = Estimated value due to bias in the CCV.

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	92	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1302508-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name: e030407

Date of Collection: NA

Dil. Factor: 1.00

Date of Analysis: 3/4/13 01:58 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.10	Not Detected	0.49	Not Detected
Freon 114	0.10	Not Detected	0.70	Not Detected
Chloromethane	0.10	Not Detected	0.21	Not Detected
Vinyl Chloride	0.10	Not Detected	0.26	Not Detected
1,3-Butadiene	0.10	Not Detected	0.22	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.10	Not Detected	0.56	Not Detected
Ethanol	1.0	Not Detected	1.9	Not Detected
Freon 113	0.10	Not Detected	0.77	Not Detected
1,1-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	0.50	Not Detected	1.2	Not Detected
2-Propanol	0.50	Not Detected	1.2	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	0.50	Not Detected	1.6	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Hexane	0.10	Not Detected	0.35	Not Detected
1,1-Dichloroethane	0.10	Not Detected	0.40	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.10	Not Detected	0.49	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Cyclohexane	0.10	Not Detected	0.34	Not Detected
Carbon Tetrachloride	0.10	Not Detected UJ	0.63	Not Detected UJ
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.10	Not Detected	0.32	Not Detected
1,2-Dichloroethane	0.10	Not Detected	0.40	Not Detected
Heptane	0.10	Not Detected	0.41	Not Detected
Trichloroethene	0.10	Not Detected	0.54	Not Detected
1,2-Dichloropropane	0.10	Not Detected	0.46	Not Detected
1,4-Dioxane	0.10	Not Detected	0.36	Not Detected
Bromodichloromethane	0.10	Not Detected	0.67	Not Detected
cis-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
4-Methyl-2-pentanone	0.10	Not Detected	0.41	Not Detected
Toluene	0.10	Not Detected	0.38	Not Detected
trans-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Tetrachloroethene	0.10	Not Detected	0.68	Not Detected
2-Hexanone	0.50	Not Detected	2.0	Not Detected

Client Sample ID: Lab Blank

Lab ID#: 1302508-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	e030407	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/4/13 01:58 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.10	Not Detected	0.85	Not Detected
1,2-Dibromoethane (EDB)	0.10	Not Detected	0.77	Not Detected
Chlorobenzene	0.10	Not Detected	0.46	Not Detected
Ethyl Benzene	0.10	Not Detected	0.43	Not Detected
m,p-Xylene	0.10	Not Detected	0.43	Not Detected
o-Xylene	0.10	Not Detected	0.43	Not Detected
Styrene	0.10	Not Detected	0.42	Not Detected
Bromoform	0.10	Not Detected	1.0	Not Detected
Cumene	0.10	Not Detected	0.49	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected	0.69	Not Detected
Propylbenzene	0.10	Not Detected	0.49	Not Detected
4-Ethyltoluene	0.10	Not Detected	0.49	Not Detected
1,3,5-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,2,4-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,3-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,4-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
alpha-Chlorotoluene	0.10	Not Detected	0.52	Not Detected
1,2-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected	3.7	Not Detected
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	91	70-130
4-Bromofluorobenzene	94	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1302508-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	e030402	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/4/13 09:02 AM

Compound	%Recovery
Freon 12	96
Freon 114	97
Chloromethane	100
Vinyl Chloride	96
1,3-Butadiene	90
Bromomethane	82
Chloroethane	82
Freon 11	88
Ethanol	82
Freon 113	86
1,1-Dichloroethene	87
Acetone	84
2-Propanol	78
Carbon Disulfide	135 Q
3-Chloropropene	84
Methylene Chloride	91
Methyl tert-butyl ether	93
trans-1,2-Dichloroethene	103
Hexane	97
1,1-Dichloroethane	98
2-Butanone (Methyl Ethyl Ketone)	85
cis-1,2-Dichloroethene	87
Tetrahydrofuran	83
Chloroform	89
1,1,1-Trichloroethane	91
Cyclohexane	95
Carbon Tetrachloride	64 Q
2,2,4-Trimethylpentane	94
Benzene	92
1,2-Dichloroethane	94
Heptane	102
Trichloroethene	95
1,2-Dichloropropane	88
1,4-Dioxane	76
Bromodichloromethane	86
cis-1,3-Dichloropropene	116
4-Methyl-2-pentanone	84
Toluene	92
trans-1,3-Dichloropropene	96
1,1,2-Trichloroethane	89
Tetrachloroethene	95
2-Hexanone	74



Air Toxics

Client Sample ID: CCV

Lab ID#: 1302508-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	e030402	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/4/13 09:02 AM

Compound	%Recovery
Dibromochloromethane	95
1,2-Dibromoethane (EDB)	101
Chlorobenzene	91
Ethyl Benzene	98
m,p-Xylene	104
o-Xylene	99
Styrene	83
Bromoform	93
Cumene	104
1,1,2,2-Tetrachloroethane	90
Propylbenzene	101
4-Ethyltoluene	92
1,3,5-Trimethylbenzene	127
1,2,4-Trimethylbenzene	101
1,3-Dichlorobenzene	104
1,4-Dichlorobenzene	94
alpha-Chlorotoluene	96
1,2-Dichlorobenzene	90
1,2,4-Trichlorobenzene	101
Hexachlorobutadiene	129

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	109	70-130

Client Sample ID: LCS

Lab ID#: 1302508-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	e030403	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/4/13 10:08 AM

Compound	%Recovery
Freon 12	99
Freon 114	101
Chloromethane	104
Vinyl Chloride	104
1,3-Butadiene	102
Bromomethane	91
Chloroethane	96
Freon 11	95
Ethanol	88
Freon 113	95
1,1-Dichloroethene	102
Acetone	81
2-Propanol	90
Carbon Disulfide	117
3-Chloropropene	120
Methylene Chloride	97
Methyl tert-butyl ether	100
trans-1,2-Dichloroethene	123
Hexane	109
1,1-Dichloroethane	100
2-Butanone (Methyl Ethyl Ketone)	96
cis-1,2-Dichloroethene	101
Tetrahydrofuran	86
Chloroform	100
1,1,1-Trichloroethane	104
Cyclohexane	111
Carbon Tetrachloride	105
2,2,4-Trimethylpentane	102
Benzene	94
1,2-Dichloroethane	96
Heptane	104
Trichloroethene	97
1,2-Dichloropropane	96
1,4-Dioxane	83
Bromodichloromethane	96
cis-1,3-Dichloropropene	108
4-Methyl-2-pentanone	94
Toluene	98
trans-1,3-Dichloropropene	103
1,1,2-Trichloroethane	93
Tetrachloroethene	96
2-Hexanone	87



Air Toxics

Client Sample ID: LCS

Lab ID#: 1302508-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	e030403	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/4/13 10:08 AM

Compound	%Recovery
Dibromochloromethane	95
1,2-Dibromoethane (EDB)	104
Chlorobenzene	92
Ethyl Benzene	104
m,p-Xylene	108
o-Xylene	104
Styrene	89
Bromoform	98
Cumene	108
1,1,2,2-Tetrachloroethane	96
Propylbenzene	103
4-Ethyltoluene	90
1,3,5-Trimethylbenzene	130
1,2,4-Trimethylbenzene	103
1,3-Dichlorobenzene	98
1,4-Dichlorobenzene	90
alpha-Chlorotoluene	101
1,2-Dichlorobenzene	88
1,2,4-Trichlorobenzene	102
Hexachlorobutadiene	116

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	109	70-130

Client Sample ID: LCSD

Lab ID#: 1302508-08AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	e030405	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/4/13 11:54 AM

Compound	%Recovery
Freon 12	98
Freon 114	96
Chloromethane	103
Vinyl Chloride	103
1,3-Butadiene	102
Bromomethane	89
Chloroethane	105
Freon 11	97
Ethanol	89
Freon 113	95
1,1-Dichloroethene	111
Acetone	81
2-Propanol	92
Carbon Disulfide	111
3-Chloropropene	119
Methylene Chloride	100
Methyl tert-butyl ether	104
trans-1,2-Dichloroethene	129
Hexane	113
1,1-Dichloroethane	105
2-Butanone (Methyl Ethyl Ketone)	100
cis-1,2-Dichloroethene	105
Tetrahydrofuran	92
Chloroform	101
1,1,1-Trichloroethane	102
Cyclohexane	115
Carbon Tetrachloride	107
2,2,4-Trimethylpentane	106
Benzene	92
1,2-Dichloroethane	97
Heptane	100
Trichloroethene	99
1,2-Dichloropropane	99
1,4-Dioxane	84
Bromodichloromethane	97
cis-1,3-Dichloropropene	111
4-Methyl-2-pentanone	91
Toluene	99
trans-1,3-Dichloropropene	103
1,1,2-Trichloroethane	93
Tetrachloroethene	94
2-Hexanone	85



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1302508-08AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	e030405	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/4/13 11:54 AM

Compound	%Recovery
Dibromochloromethane	96
1,2-Dibromoethane (EDB)	105
Chlorobenzene	92
Ethyl Benzene	104
m,p-Xylene	104
o-Xylene	105
Styrene	91
Bromoform	97
Cumene	109
1,1,2,2-Tetrachloroethane	95
Propylbenzene	103
4-Ethyltoluene	108
1,3,5-Trimethylbenzene	110
1,2,4-Trimethylbenzene	107
1,3-Dichlorobenzene	99
1,4-Dichlorobenzene	94
alpha-Chlorotoluene	99
1,2-Dichlorobenzene	88
1,2,4-Trichlorobenzene	96
Hexachlorobutadiene	111

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	102	70-130



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

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Page 1 of 1

Project Manager JOHN LEUNE

Collected by: (Print and Sign) CHRISTINA RETTIG

Company Fury Associates Email cpete@airtoxics.com

Address 201 Shafar St City LAmdia State NH Zip 17449

Phone (603) 232-2600 Fax _____

Project Info:

P.O. # 84987

Project # 2174.00017000

Project Name 810 River Ave

Turn Around Time:

☒ Normal

☐ Rush

Lab Use Only
Pressurized by:

Date:

Pressurization Gas:

N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum
						Initial Final Receipt Final (psi)

DIA	SV-1	35290	2/26/12	1223	TD-15 low level	30 4

D2A	SV-2	34330		1205		30 4

D3A	SV-3	21075		1255		30 4

D4A	SV-4	5570		1232		34 4

D5A	SV-5	23990		1130		29 4

	Empty	33773				

	Empty	34704				

	Empty	3574				

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	Notes:

<u>[Signature]</u>	<u>2/26/12/1400</u>	<u>[Signature]</u>	<u>2/26/12/13 0018</u>	33773, 34704 & 3574 not used due to vacuum malfunctions

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	SV-1: FCOB511 SV-4: FCOB547

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	SV-2: FCOB457 SV-5: FCOB44

Lab Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #

<u>[Signature]</u>		<u>NA</u>	<u>good</u>	<u>None</u>	<u>1302508</u>



04/09/13

Technical Report for

Roux Associates

810 River Avenue, Bronx, NY

Accutest Job Number: JB29023

Sampling Dates: 02/12/13 - 02/15/13

Report to:

Roux Associates

jlevine@rouxinc.com

ATTN: Josh Levine

Total number of pages in report: **110**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

A handwritten signature in black ink that reads 'Nancy F. Cole'.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Roux Associates

Job No: JB29023

810 River Avenue, Bronx, NY

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JB29023-1	02/12/13	09:45 CP	02/15/13	SO	Soil	SB-2/17-19'
JB29023-1D	02/12/13	09:45 CP	02/15/13	SO	Soil Dup/MSD	SB-2/17-19'
JB29023-1S	02/12/13	09:45 CP	02/15/13	SO	Soil Matrix Spike	SB-2/17-19'
JB29023-2	02/12/13	11:45 CP	02/15/13	SO	Soil	SB-5/18-20'
JB29023-3	02/12/13	13:30 CP	02/15/13	SO	Soil	SB-6/18-20'
JB29023-4	02/12/13	14:10 CP	02/15/13	SO	Soil	SB-9/18-20'
JB29023-5	02/13/13	07:30 CP	02/15/13	SO	Soil	SB-7/18-20'
JB29023-6	02/13/13	08:15 CP	02/15/13	SO	Soil	MW-8/18-20'
JB29023-6A	02/13/13	08:15 CP	02/15/13	SO	Soil	DUPE_MW-8/18-20'
JB29023-7	02/13/13	13:30 CP	02/15/13	SO	Soil	MW-3/17-19'
JB29023-8	02/14/13	09:00 CP	02/15/13	SO	Soil	MW-4/18-20'
JB29023-9	02/14/13	14:00 CP	02/15/13	SO	Soil	MW-10/18-20'
JB29023-10	02/15/13	08:00 CP	02/15/13	SO	Soil	SB-1/5-7'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary
(continued)

Roux Associates

Job No: JB29023

810 River Avenue, Bronx, NY

Sample Number	Collected		Matrix Code	Type	Client Sample ID
	Date	Time By			
JB29023-11	02/15/13	10:00 CP	02/15/13	SO Soil	WC-1
JB29023-11A	02/15/13	10:00 CP	02/15/13	SO Soil	WC-1

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Roux Associates

Job No JB29023

Site: 810 River Avenue, Bronx, NY

Report Date 3/21/2013 3:51:21 PM

On 02/15/2013, 12 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 4 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB29023 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO

Batch ID: V3C4259

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29023-11MS, JB29023-11MSD were used as the QC samples indicated.

Matrix: SO

Batch ID: V3C4260

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29023-10MS, JB29023-10MSD were used as the QC samples indicated.

Matrix: SO

Batch ID: VI7338

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29090-23MS, JB29090-22DUP were used as the QC samples indicated.
- RPD(s) for Duplicate for Methylene chloride are outside control limits for sample JB29090-22DUP. High RPD due to low concentration of hit
- RPD(s) for Duplicate for Benzene are outside control limits for sample JB29090-22DUP. High RPD due to possible sample analyzed from different vials.

Matrix: SO

Batch ID: VI7339

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB29023-1MS, JB29023-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for MSD for 1,1-Dichloroethane, 1,2-Dichloroethane, Chloroform, Methyl Tert Butyl Ether, Vinyl chloride are outside control limits for sample JB29023-1MSD. Outside control limits due to matrix interference.

Matrix: SO

Batch ID: VI7340

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29023-9MS, JB29023-9MSD, JB29317-8DUP were used as the QC samples indicated.
- JB29317-8DUP for 1,2-Dichloroethane-D4: Outside control limits due to matrix interference.

Extractables by GCMS By Method SW846 8270D

Matrix: SO

Batch ID: OP63819

- All samples were extracted within the recommended method holding time.
- Sample(s) JB29023-1MS, JB29023-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Duplicate Recovery(s) for 2-Methylphenol, 3&4-Methylphenol, Acenaphthene, Acenaphthylene, Dibenzofuran, Naphthalene, Phenol are outside control limits. Outside of in house control limits.
- RPD(s) for MSD for 2-Methylphenol, 3&4-Methylphenol, Acenaphthene, Acenaphthylene, Dibenzofuran, Naphthalene, Phenol are outside control limits for sample OP63819-MSD. Analytical precision exceeds standard laboratory control limits.
- OP63819-MSD for Nitrobenzene-d5: Outside of in house control limits.
- OP63819-MSD for 2-Fluorophenol: Outside of in house control limits.
- OP63819-MSD for 2-Methylphenol: Analytical precision exceeds standard laboratory control limits.
- OP63819-MSD for 2-Fluorobiphenyl: Outside of in house control limits.

Matrix: SO

Batch ID: OP63919

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29010-1QMS, JB29010-1QMSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for Benzo(a)pyrene, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Dibenzofuran, Indeno(1,2,3-cd)pyrene, Pyrene are outside control limits. Outside of in house control limits.
- RPD(s) for MSD for Hexachlorobenzene are outside control limits for sample OP63919-MSD. Outside control limits due to matrix interference.
- JB29023-8 for 2-Fluorobiphenyl: Outside of in house control limits.
- JB29023-9 for 2-Fluorobiphenyl: Outside of in house control limits.

Matrix: SO

Batch ID: OP63989

- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29572-22MS, JB29572-22MSD were used as the QC samples indicated.
- JB29023-8: Confirmation run.
- JB29023-9: Confirmation run.

Matrix: SO

Batch ID: OP64382

- All method blanks for this batch meet method specific criteria.
- Sample(s) JB30836-7MS, JB30836-7MSD were used as the QC samples indicated.
- JB29023-6A: Sample extracted outside the holding time due to scheduling error.

Extractables by GC By Method SW846 8081B

Matrix: SO

Batch ID: OP63827

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29023-1MS, JB29023-1MSD were used as the QC samples indicated.

Matrix: SO

Batch ID: OP63866

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29023-10MS, JB29023-10MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for 4,4'-DDT are outside control limits. Outside of in house control limits.

Matrix: SO

Batch ID: OP64044

- Sample(s) JB29530-1MS, JB29530-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JB29023-6A: Sample extracted outside the holding time due to schedule error.

Extractables by GC By Method SW846 8082A

Matrix: SO

Batch ID: OP63826

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29023-1MS, JB29023-1MSD, OP63826-MSMSD were used as the QC samples indicated.

Matrix: SO

Batch ID: OP63865

- Sample(s) JB29023-10MS, JB29023-10MSD, OP63865-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JB29023-6A: Sample extracted outside the holding time due to schedule error.

Metals By Method SW846 6010C

Matrix: LEACHATE

Batch ID: MP69922

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29106-1MS, JB29106-1MSD, JB29106-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Chromium, Lead, Selenium are outside control limits for sample MP69922-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix: SO

Batch ID: MP70054

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29073-2MS, JB29073-2MSD, JB29073-2SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Copper are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Barium, Copper, Manganese are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for Lead, Chromium, Zinc are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for MSD for Lead, Zinc are outside control limits for sample MP70054-S2. High rpd due to possible sample nonhomogeneity.
- RPD(s) for Serial Dilution for Selenium, Silver are outside control limits for sample MP70054-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix: SO

Batch ID: MP70079

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29023-1MS, JB29023-1MSD, JB29023-1PS, JB29023-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Cadmium, Selenium, Silver are outside control limits for sample MP70079-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP70079-PS1 for Manganese: Serial dilution indicates possible matrix interference.
- RPD(s) for Serial Dilution for Zinc are outside control limits for sample MP70079-SD1. Serial dilution indicates possible matrix interference.

Metals By Method SW846 7470A

Matrix: LEACHATE

Batch ID: MP69951

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29106-1MS, JB29106-1MSD were used as the QC samples for metals.

Metals By Method SW846 7471B

Matrix: SO

Batch ID: MP70074

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29023-1MS, JB29023-1MSD were used as the QC samples for metals.

Wet Chemistry By Method ASTM D1498-76M

Matrix: SO	Batch ID: GN80489

- Sample(s) JB29023-1DUP were used as the QC samples for Redox Potential Vs H2.

Matrix: SO	Batch ID: GN80545

- Sample(s) JB29788-35DUP were used as the QC samples for Redox Potential Vs H2.

Wet Chemistry By Method SM2540 G-97

Matrix: SO	Batch ID: GN80224

- The data for SM2540 G-97 meets quality control requirements.

Matrix: SO	Batch ID: GN80241

- The data for SM2540 G-97 meets quality control requirements.

Wet Chemistry By Method SW846 3060A/7196A

Matrix: SO	Batch ID: GP70397

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29023-1DUP, JB29023-1MS were used as the QC samples for Chromium, Hexavalent.
- GP70397-S1 for Chromium, Hexavalent: Good recovery on soluble XCR matrix spike. Good recovery (101 %) on the post-spike.
- GP70397-S2 for Chromium, Hexavalent: Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.

Wet Chemistry By Method SW846 6010/7196A M

Matrix: SO **Batch ID:** R120565

- The data for SW846 6010/7196A M meets quality control requirements.
- JB29023-6A for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO **Batch ID:** R120571

- The data for SW846 6010/7196A M meets quality control requirements.
- JB29023-1 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO **Batch ID:** R120572

- The data for SW846 6010/7196A M meets quality control requirements.
- JB29023-2 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO **Batch ID:** R120573

- The data for SW846 6010/7196A M meets quality control requirements.
- JB29023-3 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO **Batch ID:** R120574

- The data for SW846 6010/7196A M meets quality control requirements.
- JB29023-4 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO **Batch ID:** R120575

- The data for SW846 6010/7196A M meets quality control requirements.
- JB29023-5 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO **Batch ID:** R120576

- The data for SW846 6010/7196A M meets quality control requirements.
- JB29023-6 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO **Batch ID:** R120577

- The data for SW846 6010/7196A M meets quality control requirements.
- JB29023-7 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO **Batch ID:** R120578

- The data for SW846 6010/7196A M meets quality control requirements.
- JB29023-8 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO **Batch ID:** R120579

- The data for SW846 6010/7196A M meets quality control requirements.
- JB29023-9 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO **Batch ID:** R120580

- The data for SW846 6010/7196A M meets quality control requirements.
- JB29023-10 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO **Batch ID:** R120581

- The data for SW846 6010/7196A M meets quality control requirements.
- JB29023-11 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Wet Chemistry By Method SW846 9012 M/LACHAT

Matrix: SO

Batch ID: GP70261

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29023-1DUP, JB29023-1MS, JB29023-2MS were used as the QC samples for Cyanide.

Matrix: SO

Batch ID: GP70291

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29423-46DUP, JB29423-46MS were used as the QC samples for Cyanide.
- Matrix Spike Recovery(s) for Cyanide are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Wet Chemistry By Method SW846 9045C,D

Matrix: SO

Batch ID: GN80488

- Sample(s) JB29023-1DUP were used as the QC samples for pH.

Matrix: SO

Batch ID: GN80546

- Sample(s) JB29788-35DUP were used as the QC samples for pH.

Wet Chemistry By Method SW846 CHAP7

Matrix: SO

Batch ID: GN80520

- Sample(s) JB29023-11ADUP were used as the QC samples for Corrosivity as pH.

Wet Chemistry By Method SW846 CHAP7/9012 B

Matrix: SO

Batch ID: GP70285

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB28512-14DUP were used as the QC samples for Cyanide Reactivity.

Wet Chemistry By Method SW846 CHAP7/9034

Matrix: SO

Batch ID: GP70281

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB28512-14MS, JB28512-14DUP were used as the QC samples for Sulfide Reactivity.
- RPD(s) for Duplicate for Sulfide Reactivity are outside control limits for sample GP70281-D1. RPD acceptable due to low duplicate and sample concentrations.

Wet Chemistry By Method SW846 CHAP7/ASTM D93

Matrix: SO

Batch ID: GN80554

- Sample(s) JB29007-1DUP were used as the QC samples for Ignitability (Flashpoint).

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Job Number: JB29023
Account: Roux Associates
Project: 810 River Avenue, Bronx, NY
Collected: 02/12/13 thru 02/15/13



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

JB29023-1 SB-2/17-19'

Acetone	12.7	12	2.1	ug/kg	SW846 8260B
Toluene	0.54 J	1.2	0.13	ug/kg	SW846 8260B
Arsenic	2.4	2.2		mg/kg	SW846 6010C
Barium	55.1	22		mg/kg	SW846 6010C
Beryllium	1.2	0.22		mg/kg	SW846 6010C
Chromium	23.0	1.1		mg/kg	SW846 6010C
Copper	14.6	2.7		mg/kg	SW846 6010C
Lead	7.4	2.2		mg/kg	SW846 6010C
Manganese	447	1.6		mg/kg	SW846 6010C
Nickel	17.8	4.3		mg/kg	SW846 6010C
Zinc	37.3	2.2		mg/kg	SW846 6010C
Chromium, Trivalent ^a	22.6	1.6		mg/kg	SW846 6010/7196A M
Redox Potential Vs H2	338			mv	ASTM D1498-76M
pH	6.56			su	SW846 9045C,D

JB29023-2 SB-5/18-20'

Acetone	8.4 J	10	1.7	ug/kg	SW846 8260B
Toluene	0.46 J	1.0	0.11	ug/kg	SW846 8260B
Barium	21.1	20		mg/kg	SW846 6010C
Beryllium	0.42	0.20		mg/kg	SW846 6010C
Chromium	9.8	1.0		mg/kg	SW846 6010C
Copper	9.8	2.5		mg/kg	SW846 6010C
Lead	2.8	2.0		mg/kg	SW846 6010C
Manganese	164	1.5		mg/kg	SW846 6010C
Nickel	9.0	4.1		mg/kg	SW846 6010C
Zinc	17.6	2.0		mg/kg	SW846 6010C
Chromium, Hexavalent	0.44	0.41		mg/kg	SW846 3060A/7196A
Chromium, Trivalent ^a	9.4	1.4		mg/kg	SW846 6010/7196A M
Redox Potential Vs H2	244			mv	ASTM D1498-76M
pH	9.04			su	SW846 9045C,D

JB29023-3 SB-6/18-20'

Acetone	14.2	12	2.0	ug/kg	SW846 8260B
Toluene	0.42 J	1.2	0.12	ug/kg	SW846 8260B
Barium	34.2	22		mg/kg	SW846 6010C
Beryllium	0.74	0.22		mg/kg	SW846 6010C
Chromium	20.3	1.1		mg/kg	SW846 6010C
Copper	12.9	2.8		mg/kg	SW846 6010C
Lead	4.2	2.2		mg/kg	SW846 6010C
Manganese	289	1.7		mg/kg	SW846 6010C
Nickel	13.5	4.5		mg/kg	SW846 6010C

Summary of Hits

Job Number: JB29023
Account: Roux Associates
Project: 810 River Avenue, Bronx, NY
Collected: 02/12/13 thru 02/15/13

Lab Sample ID	Client Sample ID	Result/ Analyte	RL	MDL	Units	Method

Zinc		30.9	2.2		mg/kg	SW846 6010C
Chromium, Trivalent ^a		20.1	1.5		mg/kg	SW846 6010/7196A M
Redox Potential Vs H2		291			mv	ASTM D1498-76M
pH		7.54			su	SW846 9045C,D

JB29023-4 SB-9/18-20'

Acetone	11.4 J	12	2.0	ug/kg	SW846 8260B
Toluene	0.44 J	1.2	0.13	ug/kg	SW846 8260B
Barium	45.5	21		mg/kg	SW846 6010C
Beryllium	1.1	0.21		mg/kg	SW846 6010C
Chromium	17.7	1.1		mg/kg	SW846 6010C
Copper	12.5	2.7		mg/kg	SW846 6010C
Lead	6.5	2.1		mg/kg	SW846 6010C
Manganese	379	1.6		mg/kg	SW846 6010C
Nickel	13.8	4.3		mg/kg	SW846 6010C
Zinc	41.5	2.1		mg/kg	SW846 6010C
Chromium, Trivalent ^a	17.4	1.5		mg/kg	SW846 6010/7196A M
Redox Potential Vs H2	346			mv	ASTM D1498-76M
pH	6.48			su	SW846 9045C,D

JB29023-5 SB-7/18-20'

Acetone	8.9 J	11	1.9	ug/kg	SW846 8260B
Barium	42.1	21		mg/kg	SW846 6010C
Beryllium	0.93	0.21		mg/kg	SW846 6010C
Chromium	33.3	1.1		mg/kg	SW846 6010C
Copper	16.4	2.6		mg/kg	SW846 6010C
Lead	6.0	2.1		mg/kg	SW846 6010C
Manganese	343	1.6		mg/kg	SW846 6010C
Nickel	20.5	4.2		mg/kg	SW846 6010C
Silver	0.57	0.53		mg/kg	SW846 6010C
Zinc	53.9	2.1		mg/kg	SW846 6010C
Chromium, Trivalent ^a	33.0	1.5		mg/kg	SW846 6010/7196A M
Redox Potential Vs H2	326			mv	ASTM D1498-76M
pH	7.58			su	SW846 9045C,D

JB29023-6 MW-8/18-20'

Acetone	13.3	11	1.9	ug/kg	SW846 8260B
Toluene	0.60 J	1.1	0.12	ug/kg	SW846 8260B
Barium	43.2	23		mg/kg	SW846 6010C
Beryllium	0.91	0.23		mg/kg	SW846 6010C
Chromium	19.4	1.1		mg/kg	SW846 6010C
Copper	15.2	2.8		mg/kg	SW846 6010C

Summary of Hits

Job Number: JB29023
Account: Roux Associates
Project: 810 River Avenue, Bronx, NY
Collected: 02/12/13 thru 02/15/13



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Lead		5.9	2.3		mg/kg	SW846 6010C
Manganese		281	1.7		mg/kg	SW846 6010C
Nickel		17.3	4.5		mg/kg	SW846 6010C
Silver		0.57	0.57		mg/kg	SW846 6010C
Zinc		74.4	2.3		mg/kg	SW846 6010C
Chromium, Trivalent ^a		19.4	1.5		mg/kg	SW846 6010/7196A M
Redox Potential Vs H2		235			mv	ASTM D1498-76M
pH		9.40			su	SW846 9045C,D

JB29023-6A DUPE_MW-8/18-20'

Acetone	10.8 J	12	1.9	ug/kg	SW846 8260B
Toluene	0.48 J	1.2	0.12	ug/kg	SW846 8260B
Barium	49.8	20		mg/kg	SW846 6010C
Beryllium	0.37	0.20		mg/kg	SW846 6010C
Chromium	19.2	0.99		mg/kg	SW846 6010C
Copper	15.4	2.5		mg/kg	SW846 6010C
Lead	5.3	2.0		mg/kg	SW846 6010C
Manganese	323	1.5		mg/kg	SW846 6010C
Nickel	16.6	4.0		mg/kg	SW846 6010C
Zinc	53.8	2.0		mg/kg	SW846 6010C
Chromium, Trivalent ^a	19.2	1.4		mg/kg	SW846 6010/7196A M
Cyanide	0.21	0.16		mg/kg	SW846 9012 M/LACHAT
Redox Potential Vs H2	264			mv	ASTM D1498-76M
pH	8.91			su	SW846 9045C,D

JB29023-7 MW-3/17-19'

Toluene	0.48 J	1.1	0.12	ug/kg	SW846 8260B
Barium	79.2	22		mg/kg	SW846 6010C
Beryllium	0.82	0.22		mg/kg	SW846 6010C
Chromium	58.8	1.1		mg/kg	SW846 6010C
Copper	12.9	2.7		mg/kg	SW846 6010C
Lead	2.7	2.2		mg/kg	SW846 6010C
Manganese	242	1.6		mg/kg	SW846 6010C
Nickel	24.7	4.3		mg/kg	SW846 6010C
Silver	0.70	0.54		mg/kg	SW846 6010C
Zinc	54.6	2.2		mg/kg	SW846 6010C
Chromium, Trivalent ^a	58.6	1.5		mg/kg	SW846 6010/7196A M
Redox Potential Vs H2	303			mv	ASTM D1498-76M
pH	7.02			su	SW846 9045C,D

JB29023-8 MW-4/18-20'

Toluene	0.43 J	1.1	0.11	ug/kg	SW846 8260B

Summary of Hits

Job Number: JB29023
Account: Roux Associates
Project: 810 River Avenue, Bronx, NY
Collected: 02/12/13 thru 02/15/13



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Barium		34.4	22		mg/kg	SW846 6010C
Beryllium		0.44	0.22		mg/kg	SW846 6010C
Chromium		9.0	1.1		mg/kg	SW846 6010C
Copper		13.3	2.7		mg/kg	SW846 6010C
Lead		2.8	2.2		mg/kg	SW846 6010C
Manganese		209	1.6		mg/kg	SW846 6010C
Nickel		8.2	4.3		mg/kg	SW846 6010C
Zinc		17.7	2.2		mg/kg	SW846 6010C
Chromium, Trivalent ^a		9.0	1.5		mg/kg	SW846 6010/7196A M
Redox Potential Vs H2		237			mv	ASTM D1498-76M
pH		9.50			su	SW846 9045C,D

JB29023-9 MW-10/18-20'

Tetrachloroethene	1.2 J	6.1	0.21	ug/kg	SW846 8260B
Toluene	0.60 J	1.2	0.13	ug/kg	SW846 8260B
Barium	25.9	22		mg/kg	SW846 6010C
Beryllium	0.57	0.22		mg/kg	SW846 6010C
Chromium	16.3	1.1		mg/kg	SW846 6010C
Copper	13.9	2.8		mg/kg	SW846 6010C
Lead	3.5	2.2		mg/kg	SW846 6010C
Manganese	253	1.7		mg/kg	SW846 6010C
Nickel	11.3	4.5		mg/kg	SW846 6010C
Zinc	22.8	2.2		mg/kg	SW846 6010C
Chromium, Trivalent ^a	16.3	1.6		mg/kg	SW846 6010/7196A M
Redox Potential Vs H2	263			mv	ASTM D1498-76M
pH	8.44			su	SW846 9045C,D

JB29023-10 SB-1/5-7'

Tetrachloroethene	0.57 J	6.6	0.23	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	0.64 J	6.6	0.27	ug/kg	SW846 8260B
m,p-Xylene	0.79 J	1.3	0.23	ug/kg	SW846 8260B
Xylene (total)	0.79 J	1.3	0.18	ug/kg	SW846 8260B
Arsenic	3.4	2.3		mg/kg	SW846 6010C
Barium	31.6	23		mg/kg	SW846 6010C
Beryllium	1.0	0.23		mg/kg	SW846 6010C
Chromium	17.1	1.2		mg/kg	SW846 6010C
Copper	13.6	2.9		mg/kg	SW846 6010C
Lead	8.0	2.3		mg/kg	SW846 6010C
Manganese	407	1.8		mg/kg	SW846 6010C
Nickel	14.7	4.7		mg/kg	SW846 6010C
Zinc	39.7	2.3		mg/kg	SW846 6010C
Chromium, Hexavalent	0.69	0.47		mg/kg	SW846 3060A/7196A
Chromium, Trivalent ^a	16.4	1.7		mg/kg	SW846 6010/7196A M

Summary of Hits

Job Number: JB29023
Account: Roux Associates
Project: 810 River Avenue, Bronx, NY
Collected: 02/12/13 thru 02/15/13



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Redox Potential Vs H2		303			mv	ASTM D1498-76M
pH		7.82			su	SW846 9045C,D
JB29023-11 WC-1						
m,p-Xylene		0.45 J	1.2	0.21	ug/kg	SW846 8260B
Xylene (total)		0.45 J	1.2	0.17	ug/kg	SW846 8260B
Arsenic		3.5	2.1		mg/kg	SW846 6010C
Barium		40.5	21		mg/kg	SW846 6010C
Beryllium		0.87	0.21		mg/kg	SW846 6010C
Chromium		13.8	1.0		mg/kg	SW846 6010C
Copper		15.2	2.6		mg/kg	SW846 6010C
Lead		9.8	2.1		mg/kg	SW846 6010C
Manganese		386	1.6		mg/kg	SW846 6010C
Nickel		14.8	4.2		mg/kg	SW846 6010C
Zinc		45.2	2.1		mg/kg	SW846 6010C
Chromium, Trivalent ^a		13.4	1.4		mg/kg	SW846 6010/7196A M
Redox Potential Vs H2		293			mv	ASTM D1498-76M
pH		8.24			su	SW846 9045C,D
JB29023-11A WC-1						
Corrosivity as pH		8.14 NC			su	SW846 CHAP7
Ignitability (Flashpoint)		> 200			Deg. F	SW846 CHAP7/ASTM D93

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

Sample Results

Report of Analysis

Report of Analysis

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Client Sample ID:	SB-2/17-19'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-1	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	89.5
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I181717.D	1	02/21/13	SJM	n/a	n/a	VI7339
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	12.7	12	2.1	ug/kg	
71-43-2	Benzene	ND	1.2	0.15	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	3.0	ug/kg	
104-51-8	n-Butylbenzene	ND	6.2	0.14	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.2	0.14	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.2	0.36	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	0.17	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	0.13	ug/kg	
67-66-3	Chloroform	ND	6.2	0.10	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.2	0.23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.2	0.23	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.2	0.22	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.17	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.2	0.32	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.2	0.23	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.2	0.30	ug/kg	
123-91-1	1,4-Dioxane	ND	160	74	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.33	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.29	ug/kg	
75-09-2	Methylene chloride	ND	6.2	1.6	ug/kg	
103-65-1	n-Propylbenzene	ND	6.2	0.15	ug/kg	
127-18-4	Tetrachloroethene	ND	6.2	0.21	ug/kg	
108-88-3	Toluene	0.54	1.2	0.13	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	6.2	0.13	ug/kg	
79-01-6	Trichloroethene	ND	6.2	0.22	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.2	0.26	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.2	0.20	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	0.18	ug/kg	
	m,p-Xylene	ND	1.2	0.22	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.17	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.17	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	SB-2/17-19'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-1	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	89.5
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-130%
17060-07-0	1,2-Dichloroethane-D4	103%		70-122%
2037-26-5	Toluene-D8	99%		81-127%
460-00-4	4-Bromofluorobenzene	103%		66-132%

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	SB-2/17-19'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-1	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	89.5
Method:	SW846 8270D SW846 3550C		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P17194.D	1	02/27/13	KH	02/22/13	OP63819	E3P785
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	73	41	ug/kg	
	3&4-Methylphenol	ND	73	46	ug/kg	
87-86-5	Pentachlorophenol	ND	360	62	ug/kg	
108-95-2	Phenol	ND	73	38	ug/kg	
83-32-9	Acenaphthene	ND	36	11	ug/kg	
208-96-8	Acenaphthylene	ND	36	12	ug/kg	
120-12-7	Anthracene	ND	36	13	ug/kg	
56-55-3	Benzo(a)anthracene	ND	36	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	36	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	36	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	36	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	36	14	ug/kg	
218-01-9	Chrysene	ND	36	12	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	12	ug/kg	
132-64-9	Dibenzofuran	ND	73	11	ug/kg	
206-44-0	Fluoranthene	ND	36	16	ug/kg	
86-73-7	Fluorene	ND	36	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	36	13	ug/kg	
91-20-3	Naphthalene	ND	36	9.9	ug/kg	
85-01-8	Phenanthrene	ND	36	17	ug/kg	
129-00-0	Pyrene	ND	36	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		21-116%
4165-62-2	Phenol-d5	46%		19-117%
118-79-6	2,4,6-Tribromophenol	66%		24-136%
4165-60-0	Nitrobenzene-d5	47%		21-122%
321-60-8	2-Fluorobiphenyl	51%		30-117%
1718-51-0	Terphenyl-d14	70%		31-129%

ND = Not detected MDL - Method Detection Limit

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	SB-2/17-19'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-1	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	89.5
Method:	SW846 8081B SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G88787.D	1	02/26/13	OPM	02/22/13	OP63827	G1G2915
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.72	0.33	ug/kg	
319-84-6	alpha-BHC	ND	0.72	0.21	ug/kg	
319-85-7	beta-BHC	ND	0.72	0.45	ug/kg	
319-86-8	delta-BHC	ND	0.72	0.35	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.72	0.35	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.72	0.27	ug/kg	
60-57-1	Dieldrin	ND	0.72	0.28	ug/kg	
72-54-8	4,4' -DDD	ND	0.72	0.39	ug/kg	
72-55-9	4,4' -DDE	ND	0.72	0.29	ug/kg	
50-29-3	4,4' -DDT	ND	0.72	0.35	ug/kg	
72-20-8	Endrin	ND	0.72	0.23	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.72	0.31	ug/kg	
959-98-8	Endosulfan-I	ND	0.72	0.27	ug/kg	
33213-65-9	Endosulfan-II	ND	0.72	0.43	ug/kg	
76-44-8	Heptachlor	ND	0.72	0.35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		23-137%
877-09-8	Tetrachloro-m-xylene	96%		23-137%
2051-24-3	Decachlorobiphenyl	81%		22-160%
2051-24-3	Decachlorobiphenyl	90%		22-160%

ND = Not detected MDL - Method Detection Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	SB-2/17-19'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-1	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	89.5
Method:	SW846 8082A SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX130441.D	1	02/25/13	JR	02/22/13	OP63826	GXX4601
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	9.3	ug/kg	
11104-28-2	Aroclor 1221	ND	36	22	ug/kg	
11141-16-5	Aroclor 1232	ND	36	18	ug/kg	
53469-21-9	Aroclor 1242	ND	36	11	ug/kg	
12672-29-6	Aroclor 1248	ND	36	11	ug/kg	
11097-69-1	Aroclor 1254	ND	36	17	ug/kg	
11096-82-5	Aroclor 1260	ND	36	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		22-141%
877-09-8	Tetrachloro-m-xylene	71%		22-141%
2051-24-3	Decachlorobiphenyl	75%		18-163%
2051-24-3	Decachlorobiphenyl	77%		18-163%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	SB-2/17-19'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-1	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	89.5
Project:	810 River Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	2.4	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Barium	55.1	22	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	1.2	0.22	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	< 0.54	0.54	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	23.0	1.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Copper	14.6	2.7	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Lead	7.4	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	447	1.6	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	< 0.033	0.033	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹ SW846 7471B ³
Nickel	17.8	4.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.2	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Silver	< 0.54	0.54	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	37.3	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30602

(3) Prep QC Batch: MP70074

(4) Prep QC Batch: MP70079

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	SB-2/17-19'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-1	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	89.5
Project:	810 River Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.45	0.45	mg/kg	1	02/28/13 21:30	JY	SW846 3060A/7196A
Chromium, Trivalent ^a	22.6	1.6	mg/kg	1	03/01/13 14:21	ND	SW846 6010/7196A M
Cyanide	< 0.26	0.26	mg/kg	1	02/22/13 10:07	BP	SW846 9012 M/LACHAT
Redox Potential Vs H2	338		mv	1	02/26/13 22:27	MH	ASTM D1498-76M
Solids, Percent	89.5		%	1	02/21/13 19:00	WR	SM2540 G-97
pH	6.56		su	1	02/26/13 21:33	MH	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	SB-5/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-2	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	96.6
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I181694.D	1	02/21/13	SJM	n/a	n/a	VI7338
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.4	10	1.7	ug/kg	J
71-43-2	Benzene	ND	1.0	0.12	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.2	0.12	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.2	0.12	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.2	0.30	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	0.14	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	0.11	ug/kg	
67-66-3	Chloroform	ND	5.2	0.086	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.2	0.20	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.2	0.19	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.2	0.18	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	0.14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.14	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.2	0.27	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.2	0.19	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.2	0.25	ug/kg	
123-91-1	1,4-Dioxane	ND	130	62	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.24	ug/kg	
75-09-2	Methylene chloride	ND	5.2	1.3	ug/kg	
103-65-1	n-Propylbenzene	ND	5.2	0.12	ug/kg	
127-18-4	Tetrachloroethene	ND	5.2	0.18	ug/kg	
108-88-3	Toluene	0.46	1.0	0.11	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	5.2	0.11	ug/kg	
79-01-6	Trichloroethene	ND	5.2	0.18	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.2	0.22	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.2	0.17	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	0.15	ug/kg	
	m,p-Xylene	ND	1.0	0.18	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.14	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.14	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	SB-5/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-2	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	96.6
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		70-130%
17060-07-0	1,2-Dichloroethane-D4	82%		70-122%
2037-26-5	Toluene-D8	100%		81-127%
460-00-4	4-Bromofluorobenzene	103%		66-132%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	SB-5/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-2	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	96.6
Method:	SW846 8270D SW846 3550C		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P17211.D	1	02/27/13	KH	02/22/13	OP63819	E3P786
Run #2							

	Initial Weight	Final Volume
Run #1	31.2 g	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	66	38	ug/kg	
	3&4-Methylphenol	ND	66	42	ug/kg	
87-86-5	Pentachlorophenol	ND	330	57	ug/kg	
108-95-2	Phenol	ND	66	35	ug/kg	
83-32-9	Acenaphthene	ND	33	9.6	ug/kg	
208-96-8	Acenaphthylene	ND	33	11	ug/kg	
120-12-7	Anthracene	ND	33	12	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	12	ug/kg	
218-01-9	Chrysene	ND	33	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	11	ug/kg	
132-64-9	Dibenzofuran	ND	66	9.9	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	66	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	12	ug/kg	
91-20-3	Naphthalene	ND	33	9.1	ug/kg	
85-01-8	Phenanthrene	ND	33	15	ug/kg	
129-00-0	Pyrene	ND	33	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	63%		21-116%
4165-62-2	Phenol-d5	64%		19-117%
118-79-6	2,4,6-Tribromophenol	76%		24-136%
4165-60-0	Nitrobenzene-d5	65%		21-122%
321-60-8	2-Fluorobiphenyl	71%		30-117%
1718-51-0	Terphenyl-d14	81%		31-129%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	SB-5/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-2	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	96.6
Method:	SW846 8081B SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G89124.D	1	03/05/13	DS	02/22/13	OP63827	G1G2926
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.68	0.31	ug/kg	
319-84-6	alpha-BHC	ND	0.68	0.20	ug/kg	
319-85-7	beta-BHC	ND	0.68	0.43	ug/kg	
319-86-8	delta-BHC	ND	0.68	0.34	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.68	0.33	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.68	0.25	ug/kg	
60-57-1	Dieldrin	ND	0.68	0.27	ug/kg	
72-54-8	4,4' -DDD	ND	0.68	0.37	ug/kg	
72-55-9	4,4' -DDE	ND	0.68	0.28	ug/kg	
50-29-3	4,4' -DDT	ND	0.68	0.34	ug/kg	
72-20-8	Endrin	ND	0.68	0.22	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.68	0.29	ug/kg	
959-98-8	Endosulfan-I	ND	0.68	0.26	ug/kg	
33213-65-9	Endosulfan-II	ND	0.68	0.41	ug/kg	
76-44-8	Heptachlor	ND	0.68	0.33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		23-137%
877-09-8	Tetrachloro-m-xylene	86%		23-137%
2051-24-3	Decachlorobiphenyl	83%		22-160%
2051-24-3	Decachlorobiphenyl	82%		22-160%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	SB-5/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-2	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	96.6
Method:	SW846 8082A SW846 3546		
Project:	810 River Avenue, Bronx, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX130442.D	1	02/25/13	JR	02/22/13	OP63826	GXX4601
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	8.9	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	17	ug/kg	
53469-21-9	Aroclor 1242	ND	34	11	ug/kg	
12672-29-6	Aroclor 1248	ND	34	10	ug/kg	
11097-69-1	Aroclor 1254	ND	34	16	ug/kg	
11096-82-5	Aroclor 1260	ND	34	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		22-141%
877-09-8	Tetrachloro-m-xylene	72%		22-141%
2051-24-3	Decachlorobiphenyl	80%		18-163%
2051-24-3	Decachlorobiphenyl	77%		18-163%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	SB-5/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-2	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	96.6
Project:	810 River Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 2.0	2.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Barium	21.1	20	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	0.42	0.20	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	< 0.51	0.51	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	9.8	1.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Copper	9.8	2.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Lead	2.8	2.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	164	1.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	< 0.032	0.032	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹ SW846 7471B ³
Nickel	9.0	4.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.0	2.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Silver	< 0.51	0.51	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	17.6	2.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30602

(3) Prep QC Batch: MP70074

(4) Prep QC Batch: MP70079

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-5/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-2	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	96.6
Project:	810 River Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.44	0.41	mg/kg	1	02/28/13 21:55	JY	SW846 3060A/7196A
Chromium, Trivalent ^a	9.4	1.4	mg/kg	1	03/01/13 14:27	ND	SW846 6010/7196A M
Cyanide	< 0.44	0.44	mg/kg	2	02/22/13 11:32	BP	SW846 9012 M/LACHAT
Redox Potential Vs H2	244		mv	1	02/26/13 22:27	MH	ASTM D1498-76M
Solids, Percent	96.6		%	1	02/21/13 19:00	WR	SM2540 G-97
pH	9.04		su	1	02/26/13 21:33	MH	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	SB-6/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-3	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.0
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I181718.D	1	02/21/13	SJM	n/a	n/a	VI7339
Run #2							

	Initial Weight
Run #1	4.7 g
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	14.2	12	2.0	ug/kg	
71-43-2	Benzene	ND	1.2	0.14	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.8	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	0.13	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.8	0.13	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.8	0.34	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	0.15	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	0.12	ug/kg	
67-66-3	Chloroform	ND	5.8	0.096	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.8	0.22	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.8	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.8	0.20	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.16	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.8	0.30	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.8	0.21	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.8	0.28	ug/kg	
123-91-1	1,4-Dioxane	ND	140	69	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.30	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.27	ug/kg	
75-09-2	Methylene chloride	ND	5.8	1.5	ug/kg	
103-65-1	n-Propylbenzene	ND	5.8	0.14	ug/kg	
127-18-4	Tetrachloroethene	ND	5.8	0.20	ug/kg	
108-88-3	Toluene	0.42	1.2	0.12	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	5.8	0.12	ug/kg	
79-01-6	Trichloroethene	ND	5.8	0.20	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	0.24	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	0.19	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	0.17	ug/kg	
	m,p-Xylene	ND	1.2	0.20	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.16	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	SB-6/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-3	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.0
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-130%
17060-07-0	1,2-Dichloroethane-D4	101%		70-122%
2037-26-5	Toluene-D8	101%		81-127%
460-00-4	4-Bromofluorobenzene	104%		66-132%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	SB-6/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-3	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.0
Method:	SW846 8270D SW846 3550C		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P17212.D	1	02/27/13	KH	02/22/13	OP63819	E3P786
Run #2							

	Initial Weight	Final Volume
Run #1	31.1 g	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	70	40	ug/kg	
	3&4-Methylphenol	ND	70	44	ug/kg	
87-86-5	Pentachlorophenol	ND	350	60	ug/kg	
108-95-2	Phenol	ND	70	37	ug/kg	
83-32-9	Acenaphthene	ND	35	10	ug/kg	
208-96-8	Acenaphthylene	ND	35	11	ug/kg	
120-12-7	Anthracene	ND	35	12	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	13	ug/kg	
218-01-9	Chrysene	ND	35	12	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	12	ug/kg	
132-64-9	Dibenzofuran	ND	70	10	ug/kg	
206-44-0	Fluoranthene	ND	35	15	ug/kg	
86-73-7	Fluorene	ND	35	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	12	ug/kg	
91-20-3	Naphthalene	ND	35	9.5	ug/kg	
85-01-8	Phenanthrene	ND	35	16	ug/kg	
129-00-0	Pyrene	ND	35	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		21-116%
4165-62-2	Phenol-d5	55%		19-117%
118-79-6	2,4,6-Tribromophenol	65%		24-136%
4165-60-0	Nitrobenzene-d5	57%		21-122%
321-60-8	2-Fluorobiphenyl	61%		30-117%
1718-51-0	Terphenyl-d14	72%		31-129%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	SB-6/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-3	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.0
Method:	SW846 8081B SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G89125.D	1	03/05/13	DS	02/22/13	OP63827	G1G2926
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.68	0.31	ug/kg	
319-84-6	alpha-BHC	ND	0.68	0.20	ug/kg	
319-85-7	beta-BHC	ND	0.68	0.43	ug/kg	
319-86-8	delta-BHC	ND	0.68	0.34	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.68	0.33	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.68	0.25	ug/kg	
60-57-1	Dieldrin	ND	0.68	0.27	ug/kg	
72-54-8	4,4' -DDD	ND	0.68	0.37	ug/kg	
72-55-9	4,4' -DDE	ND	0.68	0.28	ug/kg	
50-29-3	4,4' -DDT	ND	0.68	0.34	ug/kg	
72-20-8	Endrin	ND	0.68	0.22	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.68	0.29	ug/kg	
959-98-8	Endosulfan-I	ND	0.68	0.26	ug/kg	
33213-65-9	Endosulfan-II	ND	0.68	0.41	ug/kg	
76-44-8	Heptachlor	ND	0.68	0.33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%		23-137%
877-09-8	Tetrachloro-m-xylene	103%		23-137%
2051-24-3	Decachlorobiphenyl	99%		22-160%
2051-24-3	Decachlorobiphenyl	96%		22-160%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	SB-6/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-3	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.0
Method:	SW846 8082A SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX130443.D	1	02/25/13	JR	02/22/13	OP63826	GXX4601
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	8.9	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	17	ug/kg	
53469-21-9	Aroclor 1242	ND	34	11	ug/kg	
12672-29-6	Aroclor 1248	ND	34	10	ug/kg	
11097-69-1	Aroclor 1254	ND	34	16	ug/kg	
11096-82-5	Aroclor 1260	ND	34	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		22-141%
877-09-8	Tetrachloro-m-xylene	86%		22-141%
2051-24-3	Decachlorobiphenyl	95%		18-163%
2051-24-3	Decachlorobiphenyl	86%		18-163%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	SB-6/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-3	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.0
Project:	810 River Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 2.2	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Barium	34.2	22	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	0.74	0.22	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	< 0.56	0.56	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	20.3	1.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Copper	12.9	2.8	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Lead	4.2	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	289	1.7	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	< 0.034	0.034	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹ SW846 7471B ³
Nickel	13.5	4.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.2	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Silver	< 0.56	0.56	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	30.9	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30602

(3) Prep QC Batch: MP70074

(4) Prep QC Batch: MP70079

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	SB-6/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-3	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.0
Project:	810 River Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.43	0.43	mg/kg	1	02/28/13 21:55	JY	SW846 3060A/7196A
Chromium, Trivalent ^a	20.1	1.5	mg/kg	1	03/01/13 14:33	ND	SW846 6010/7196A M
Cyanide	< 0.27	0.27	mg/kg	1	02/22/13 10:13	BP	SW846 9012 M/LACHAT
Redox Potential Vs H2	291		mv	1	02/26/13 22:27	MH	ASTM D1498-76M
Solids, Percent	92		%	1	02/21/13 19:00	WR	SM2540 G-97
pH	7.54		su	1	02/26/13 21:33	MH	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	SB-9/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-4	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	91.8
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I181719.D	1	02/21/13	SJM	n/a	n/a	VI7339
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	11.4	12	2.0	ug/kg	J
71-43-2	Benzene	ND	1.2	0.14	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.9	ug/kg	
104-51-8	n-Butylbenzene	ND	6.1	0.14	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.1	0.14	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.1	0.36	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	0.16	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	0.13	ug/kg	
67-66-3	Chloroform	ND	6.1	0.10	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.1	0.23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.1	0.23	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.1	0.21	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.16	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.1	0.31	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.1	0.22	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.1	0.29	ug/kg	
123-91-1	1,4-Dioxane	ND	150	72	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.32	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.28	ug/kg	
75-09-2	Methylene chloride	ND	6.1	1.5	ug/kg	
103-65-1	n-Propylbenzene	ND	6.1	0.14	ug/kg	
127-18-4	Tetrachloroethene	ND	6.1	0.21	ug/kg	
108-88-3	Toluene	0.44	1.2	0.13	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	6.1	0.13	ug/kg	
79-01-6	Trichloroethene	ND	6.1	0.21	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.1	0.25	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.1	0.19	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	0.17	ug/kg	
	m,p-Xylene	ND	1.2	0.21	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.17	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.17	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	SB-9/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-4	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	91.8
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-130%
17060-07-0	1,2-Dichloroethane-D4	100%		70-122%
2037-26-5	Toluene-D8	101%		81-127%
460-00-4	4-Bromofluorobenzene	105%		66-132%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	SB-9/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-4	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	91.8
Method:	SW846 8270D SW846 3550C		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P17213.D	1	02/27/13	KH	02/22/13	OP63819	E3P786
Run #2							

	Initial Weight	Final Volume
Run #1	31.1 g	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	70	40	ug/kg	
	3&4-Methylphenol	ND	70	44	ug/kg	
87-86-5	Pentachlorophenol	ND	350	60	ug/kg	
108-95-2	Phenol	ND	70	37	ug/kg	
83-32-9	Acenaphthene	ND	35	10	ug/kg	
208-96-8	Acenaphthylene	ND	35	11	ug/kg	
120-12-7	Anthracene	ND	35	12	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	13	ug/kg	
218-01-9	Chrysene	ND	35	12	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	12	ug/kg	
132-64-9	Dibenzofuran	ND	70	10	ug/kg	
206-44-0	Fluoranthene	ND	35	15	ug/kg	
86-73-7	Fluorene	ND	35	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	12	ug/kg	
91-20-3	Naphthalene	ND	35	9.6	ug/kg	
85-01-8	Phenanthrene	ND	35	16	ug/kg	
129-00-0	Pyrene	ND	35	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	59%		21-116%
4165-62-2	Phenol-d5	60%		19-117%
118-79-6	2,4,6-Tribromophenol	73%		24-136%
4165-60-0	Nitrobenzene-d5	63%		21-122%
321-60-8	2-Fluorobiphenyl	64%		30-117%
1718-51-0	Terphenyl-d14	79%		31-129%

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Report of Analysis

Page 1 of 1

Client Sample ID:	SB-9/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-4	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	91.8
Method:	SW846 8081B SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G89126.D	1	03/05/13	DS	02/22/13	OP63827	G1G2926
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.71	0.33	ug/kg	
319-84-6	alpha-BHC	ND	0.71	0.21	ug/kg	
319-85-7	beta-BHC	ND	0.71	0.44	ug/kg	
319-86-8	delta-BHC	ND	0.71	0.35	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.71	0.35	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.71	0.26	ug/kg	
60-57-1	Dieldrin	ND	0.71	0.28	ug/kg	
72-54-8	4,4' -DDD	ND	0.71	0.39	ug/kg	
72-55-9	4,4' -DDE	ND	0.71	0.29	ug/kg	
50-29-3	4,4' -DDT	ND	0.71	0.35	ug/kg	
72-20-8	Endrin	ND	0.71	0.23	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.71	0.31	ug/kg	
959-98-8	Endosulfan-I	ND	0.71	0.27	ug/kg	
33213-65-9	Endosulfan-II	ND	0.71	0.43	ug/kg	
76-44-8	Heptachlor	ND	0.71	0.35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%		23-137%
877-09-8	Tetrachloro-m-xylene	99%		23-137%
2051-24-3	Decachlorobiphenyl	91%		22-160%
2051-24-3	Decachlorobiphenyl	88%		22-160%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	SB-9/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-4	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	91.8
Method:	SW846 8082A SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX130444.D	1	02/25/13	JR	02/22/13	OP63826	GXX4601
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	9.2	ug/kg	
11104-28-2	Aroclor 1221	ND	35	21	ug/kg	
11141-16-5	Aroclor 1232	ND	35	18	ug/kg	
53469-21-9	Aroclor 1242	ND	35	11	ug/kg	
12672-29-6	Aroclor 1248	ND	35	11	ug/kg	
11097-69-1	Aroclor 1254	ND	35	17	ug/kg	
11096-82-5	Aroclor 1260	ND	35	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		22-141%
877-09-8	Tetrachloro-m-xylene	84%		22-141%
2051-24-3	Decachlorobiphenyl	88%		18-163%
2051-24-3	Decachlorobiphenyl	87%		18-163%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	SB-9/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-4	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	91.8
Project:	810 River Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 2.1	2.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Barium	45.5	21	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	1.1	0.21	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	< 0.53	0.53	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	17.7	1.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Copper	12.5	2.7	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Lead	6.5	2.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	379	1.6	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	< 0.036	0.036	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹ SW846 7471B ³
Nickel	13.8	4.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.1	2.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Silver	< 0.53	0.53	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	41.5	2.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30602

(3) Prep QC Batch: MP70074

(4) Prep QC Batch: MP70079

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-9/18-20'	Date Sampled:	02/12/13
Lab Sample ID:	JB29023-4	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	91.8
Project:	810 River Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.44	0.44	mg/kg	1	02/28/13 21:55	JY	SW846 3060A/7196A
Chromium, Trivalent ^a	17.4	1.5	mg/kg	1	03/01/13 14:39	ND	SW846 6010/7196A M
Cyanide	< 0.27	0.27	mg/kg	1	02/22/13 10:17	BP	SW846 9012 M/LACHAT
Redox Potential Vs H2	346		mv	1	02/26/13 22:27	MH	ASTM D1498-76M
Solids, Percent	91.8		%	1	02/21/13 19:00	WR	SM2540 G-97
pH	6.48		su	1	02/26/13 21:33	MH	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	SB-7/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-5	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.5
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I181727.D	1	02/22/13	SJM	n/a	n/a	VI7339
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.9	11	1.9	ug/kg	J
71-43-2	Benzene	ND	1.1	0.13	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	0.13	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.6	0.13	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	0.33	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	0.15	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	0.12	ug/kg	
67-66-3	Chloroform	ND	5.6	0.093	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.6	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.6	0.21	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.6	0.20	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.15	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.6	0.29	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.6	0.21	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.6	0.27	ug/kg	
123-91-1	1,4-Dioxane	ND	140	67	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.30	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.26	ug/kg	
75-09-2	Methylene chloride	ND	5.6	1.4	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	0.13	ug/kg	
127-18-4	Tetrachloroethene	ND	5.6	0.19	ug/kg	
108-88-3	Toluene	ND	1.1	0.12	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	0.12	ug/kg	
79-01-6	Trichloroethene	ND	5.6	0.20	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	0.24	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	0.18	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	0.16	ug/kg	
	m,p-Xylene	ND	1.1	0.20	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.16	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	SB-7/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-5	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.5
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		70-130%
17060-07-0	1,2-Dichloroethane-D4	95%		70-122%
2037-26-5	Toluene-D8	99%		81-127%
460-00-4	4-Bromofluorobenzene	102%		66-132%

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Report of Analysis

Page 1 of 1

Client Sample ID:	SB-7/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-5	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.5
Method:	SW846 8270D SW846 3550C		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P17214.D	1	02/27/13	KH	02/22/13	OP63819	E3P786
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	70	40	ug/kg	
	3&4-Methylphenol	ND	70	45	ug/kg	
87-86-5	Pentachlorophenol	ND	350	60	ug/kg	
108-95-2	Phenol	ND	70	37	ug/kg	
83-32-9	Acenaphthene	ND	35	10	ug/kg	
208-96-8	Acenaphthylene	ND	35	11	ug/kg	
120-12-7	Anthracene	ND	35	12	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	13	ug/kg	
218-01-9	Chrysene	ND	35	12	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	12	ug/kg	
132-64-9	Dibenzofuran	ND	70	10	ug/kg	
206-44-0	Fluoranthene	ND	35	16	ug/kg	
86-73-7	Fluorene	ND	35	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	12	ug/kg	
91-20-3	Naphthalene	ND	35	9.6	ug/kg	
85-01-8	Phenanthrene	ND	35	16	ug/kg	
129-00-0	Pyrene	ND	35	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%		21-116%
4165-62-2	Phenol-d5	48%		19-117%
118-79-6	2,4,6-Tribromophenol	61%		24-136%
4165-60-0	Nitrobenzene-d5	48%		21-122%
321-60-8	2-Fluorobiphenyl	52%		30-117%
1718-51-0	Terphenyl-d14	66%		31-129%

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Report of Analysis

Page 1 of 1

Client Sample ID:	SB-7/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-5	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.5
Method:	SW846 8081B SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G88845.D	1	02/27/13	HQ	02/25/13	OP63866	G1G2918
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.71	0.33	ug/kg	
319-84-6	alpha-BHC	ND	0.71	0.21	ug/kg	
319-85-7	beta-BHC	ND	0.71	0.44	ug/kg	
319-86-8	delta-BHC	ND	0.71	0.35	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.71	0.35	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.71	0.26	ug/kg	
60-57-1	Dieldrin	ND	0.71	0.28	ug/kg	
72-54-8	4,4' -DDD	ND	0.71	0.39	ug/kg	
72-55-9	4,4' -DDE	ND	0.71	0.29	ug/kg	
50-29-3	4,4' -DDT	ND	0.71	0.35	ug/kg	
72-20-8	Endrin	ND	0.71	0.23	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.71	0.31	ug/kg	
959-98-8	Endosulfan-I	ND	0.71	0.27	ug/kg	
33213-65-9	Endosulfan-II	ND	0.71	0.42	ug/kg	
76-44-8	Heptachlor	ND	0.71	0.35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		23-137%
877-09-8	Tetrachloro-m-xylene	87%		23-137%
2051-24-3	Decachlorobiphenyl	76%		22-160%
2051-24-3	Decachlorobiphenyl	78%		22-160%

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Report of Analysis

Page 1 of 1

Client Sample ID:	SB-7/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-5	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.5
Method:	SW846 8082A SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX130584.D	1	02/28/13	JR	02/25/13	OP63865	GXX4603
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	9.2	ug/kg	
11104-28-2	Aroclor 1221	ND	35	21	ug/kg	
11141-16-5	Aroclor 1232	ND	35	18	ug/kg	
53469-21-9	Aroclor 1242	ND	35	11	ug/kg	
12672-29-6	Aroclor 1248	ND	35	11	ug/kg	
11097-69-1	Aroclor 1254	ND	35	17	ug/kg	
11096-82-5	Aroclor 1260	ND	35	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		22-141%
877-09-8	Tetrachloro-m-xylene	80%		22-141%
2051-24-3	Decachlorobiphenyl	73%		18-163%
2051-24-3	Decachlorobiphenyl	77%		18-163%

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Report of Analysis

Page 1 of 1

Client Sample ID:	SB-7/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-5	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.5
Project:	810 River Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 2.1	2.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Barium	42.1	21	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	0.93	0.21	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	< 0.53	0.53	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	33.3	1.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Copper	16.4	2.6	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Lead	6.0	2.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	343	1.6	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	< 0.033	0.033	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹ SW846 7471B ³
Nickel	20.5	4.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.1	2.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Silver	0.57	0.53	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	53.9	2.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30602

(3) Prep QC Batch: MP70074

(4) Prep QC Batch: MP70079

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-7/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-5	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.5
Project:	810 River Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.43	0.43	mg/kg	1	02/28/13 21:55	JY	SW846 3060A/7196A
Chromium, Trivalent ^a	33.0	1.5	mg/kg	1	03/01/13 14:45	ND	SW846 6010/7196A M
Cyanide	< 0.24	0.24	mg/kg	1	02/22/13 10:18	BP	SW846 9012 M/LACHAT
Redox Potential Vs H2	326		mv	1	02/26/13 22:27	MH	ASTM D1498-76M
Solids, Percent	92.5		%	1	02/21/13 19:00	WR	SM2540 G-97
pH	7.58		su	1	02/26/13 21:33	MH	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	MW-8/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-6	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	90.7
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I181728.D	1	02/22/13	SJM	n/a	n/a	VI7339
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	13.3	11	1.9	ug/kg	
71-43-2	Benzene	ND	1.1	0.14	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.7	0.13	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.7	0.13	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.7	0.34	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	0.15	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	0.12	ug/kg	
67-66-3	Chloroform	ND	5.7	0.095	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.7	0.22	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.7	0.21	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.7	0.20	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.16	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.7	0.30	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.7	0.21	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.7	0.27	ug/kg	
123-91-1	1,4-Dioxane	ND	140	68	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.30	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.27	ug/kg	
75-09-2	Methylene chloride	ND	5.7	1.5	ug/kg	
103-65-1	n-Propylbenzene	ND	5.7	0.14	ug/kg	
127-18-4	Tetrachloroethene	ND	5.7	0.20	ug/kg	
108-88-3	Toluene	0.60	1.1	0.12	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	5.7	0.12	ug/kg	
79-01-6	Trichloroethene	ND	5.7	0.20	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.7	0.24	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.7	0.18	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	0.17	ug/kg	
	m,p-Xylene	ND	1.1	0.20	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.16	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.16	ug/kg	

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW-8/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-6	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	90.7
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
17060-07-0	1,2-Dichloroethane-D4	103%		70-122%
2037-26-5	Toluene-D8	100%		81-127%
460-00-4	4-Bromofluorobenzene	104%		66-132%

ND = Not detected MDL - Method Detection Limit
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Report of Analysis

Page 1 of 1

Client Sample ID:	MW-8/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-6	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	90.7
Method:	SW846 8270D SW846 3550C		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P17215.D	1	02/27/13	KH	02/22/13	OP63819	E3P786
Run #2							

	Initial Weight	Final Volume
Run #1	31.6 g	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	70	40	ug/kg	
	3&4-Methylphenol	ND	70	44	ug/kg	
87-86-5	Pentachlorophenol	ND	350	60	ug/kg	
108-95-2	Phenol	ND	70	37	ug/kg	
83-32-9	Acenaphthene	ND	35	10	ug/kg	
208-96-8	Acenaphthylene	ND	35	11	ug/kg	
120-12-7	Anthracene	ND	35	12	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	13	ug/kg	
218-01-9	Chrysene	ND	35	12	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	12	ug/kg	
132-64-9	Dibenzofuran	ND	70	10	ug/kg	
206-44-0	Fluoranthene	ND	35	15	ug/kg	
86-73-7	Fluorene	ND	35	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	12	ug/kg	
91-20-3	Naphthalene	ND	35	9.5	ug/kg	
85-01-8	Phenanthrene	ND	35	16	ug/kg	
129-00-0	Pyrene	ND	35	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		21-116%
4165-62-2	Phenol-d5	44%		19-117%
118-79-6	2,4,6-Tribromophenol	52%		24-136%
4165-60-0	Nitrobenzene-d5	46%		21-122%
321-60-8	2-Fluorobiphenyl	49%		30-117%
1718-51-0	Terphenyl-d14	59%		31-129%

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Report of Analysis

Page 1 of 1

Client Sample ID:	MW-8/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-6	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	90.7
Method:	SW846 8081B SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G88846.D	1	02/27/13	HQ	02/25/13	OP63866	G1G2918
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.70	0.32	ug/kg	
319-84-6	alpha-BHC	ND	0.70	0.21	ug/kg	
319-85-7	beta-BHC	ND	0.70	0.43	ug/kg	
319-86-8	delta-BHC	ND	0.70	0.34	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.70	0.34	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.70	0.26	ug/kg	
60-57-1	Dieldrin	ND	0.70	0.27	ug/kg	
72-54-8	4,4' -DDD	ND	0.70	0.38	ug/kg	
72-55-9	4,4' -DDE	ND	0.70	0.28	ug/kg	
50-29-3	4,4' -DDT	ND	0.70	0.34	ug/kg	
72-20-8	Endrin	ND	0.70	0.23	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.70	0.30	ug/kg	
959-98-8	Endosulfan-I	ND	0.70	0.26	ug/kg	
33213-65-9	Endosulfan-II	ND	0.70	0.42	ug/kg	
76-44-8	Heptachlor	ND	0.70	0.34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		23-137%
877-09-8	Tetrachloro-m-xylene	88%		23-137%
2051-24-3	Decachlorobiphenyl	79%		22-160%
2051-24-3	Decachlorobiphenyl	82%		22-160%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	MW-8/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-6	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	90.7
Method:	SW846 8082A SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX130585.D	1	02/28/13	JR	02/25/13	OP63865	GXX4603
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	9.1	ug/kg	
11104-28-2	Aroclor 1221	ND	35	21	ug/kg	
11141-16-5	Aroclor 1232	ND	35	18	ug/kg	
53469-21-9	Aroclor 1242	ND	35	11	ug/kg	
12672-29-6	Aroclor 1248	ND	35	11	ug/kg	
11097-69-1	Aroclor 1254	ND	35	16	ug/kg	
11096-82-5	Aroclor 1260	ND	35	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		22-141%
877-09-8	Tetrachloro-m-xylene	81%		22-141%
2051-24-3	Decachlorobiphenyl	76%		18-163%
2051-24-3	Decachlorobiphenyl	74%		18-163%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-8/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-6	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	90.7
Project:	810 River Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 2.3	2.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Barium	43.2	23	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	0.91	0.23	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	< 0.57	0.57	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	19.4	1.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Copper	15.2	2.8	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Lead	5.9	2.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	281	1.7	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	< 0.037	0.037	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹ SW846 7471B ³
Nickel	17.3	4.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.3	2.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Silver	0.57	0.57	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	74.4	2.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30602

(3) Prep QC Batch: MP70074

(4) Prep QC Batch: MP70079

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-8/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-6	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	90.7
Project:	810 River Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.44	0.44	mg/kg	1	02/28/13 21:55	JY	SW846 3060A/7196A
Chromium, Trivalent ^a	19.4	1.5	mg/kg	1	03/01/13 14:51	ND	SW846 6010/7196A M
Cyanide	< 0.27	0.27	mg/kg	1	02/22/13 10:19	BP	SW846 9012 M/LACHAT
Redox Potential Vs H2	235		mv	1	02/26/13 22:27	MH	ASTM D1498-76M
Solids, Percent	90.7		%	1	02/21/13 19:00	WR	SM2540 G-97
pH	9.40		su	1	02/26/13 21:33	MH	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	DUPE_MW-8/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-6A	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	90.4
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I181729.D	1	02/22/13	SJM	n/a	n/a	VI7339
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10.8	12	1.9	ug/kg	J
71-43-2	Benzene	ND	1.2	0.14	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.8	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	0.13	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.8	0.13	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.8	0.34	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	0.15	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	0.12	ug/kg	
67-66-3	Chloroform	ND	5.8	0.095	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.8	0.22	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.8	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.8	0.20	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.16	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.8	0.30	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.8	0.21	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.8	0.27	ug/kg	
123-91-1	1,4-Dioxane	ND	140	69	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.30	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.27	ug/kg	
75-09-2	Methylene chloride	ND	5.8	1.5	ug/kg	
103-65-1	n-Propylbenzene	ND	5.8	0.14	ug/kg	
127-18-4	Tetrachloroethene	ND	5.8	0.20	ug/kg	
108-88-3	Toluene	0.48	1.2	0.12	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	5.8	0.12	ug/kg	
79-01-6	Trichloroethene	ND	5.8	0.20	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	0.24	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	0.18	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	0.17	ug/kg	
	m,p-Xylene	ND	1.2	0.20	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.16	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	DUPE_MW-8/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-6A	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	90.4
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
17060-07-0	1,2-Dichloroethane-D4	101%		70-122%
2037-26-5	Toluene-D8	101%		81-127%
460-00-4	4-Bromofluorobenzene	103%		66-132%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	DUPE_MW-8/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-6A	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	90.4
Method:	SW846 8270D SW846 3550C		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	2P21054.D	1	03/14/13	ALS	03/14/13	OP64382	E2P929
Run #2							

	Initial Weight	Final Volume
Run #1	34.7 g	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	64	36	ug/kg	
	3&4-Methylphenol	ND	64	40	ug/kg	
87-86-5	Pentachlorophenol	ND	320	55	ug/kg	
108-95-2	Phenol	ND	64	33	ug/kg	
83-32-9	Acenaphthene	ND	32	9.2	ug/kg	
208-96-8	Acenaphthylene	ND	32	10	ug/kg	
120-12-7	Anthracene	ND	32	11	ug/kg	
56-55-3	Benzo(a)anthracene	ND	32	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	32	9.7	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	32	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	32	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	32	12	ug/kg	
218-01-9	Chrysene	ND	32	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	32	11	ug/kg	
132-64-9	Dibenzofuran	ND	64	9.5	ug/kg	
206-44-0	Fluoranthene	ND	32	14	ug/kg	
86-73-7	Fluorene	ND	32	10	ug/kg	
118-74-1	Hexachlorobenzene	ND	64	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	32	11	ug/kg	
91-20-3	Naphthalene	ND	32	8.7	ug/kg	
85-01-8	Phenanthrene	ND	32	15	ug/kg	
129-00-0	Pyrene	ND	32	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		21-116%
4165-62-2	Phenol-d5	60%		19-117%
118-79-6	2,4,6-Tribromophenol	89%		24-136%
4165-60-0	Nitrobenzene-d5	48%		21-122%
321-60-8	2-Fluorobiphenyl	59%		30-117%
1718-51-0	Terphenyl-d14	97%		31-129%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	DUPE_MW-8/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-6A	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	90.4
Method:	SW846 8270D SW846 3550C		
Project:	810 River Avenue, Bronx, NY		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Sample extracted outside the holding time due to scheduling error.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	DUPE_MW-8/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-6A	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	90.4
Method:	SW846 8081B SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	1G89103.D	1	03/05/13	DS	03/04/13	OP64044	G1G2926
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.70	0.32	ug/kg	
319-84-6	alpha-BHC	ND	0.70	0.21	ug/kg	
319-85-7	beta-BHC	ND	0.70	0.43	ug/kg	
319-86-8	delta-BHC	ND	0.70	0.34	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.70	0.34	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.70	0.26	ug/kg	
60-57-1	Dieldrin	ND	0.70	0.27	ug/kg	
72-54-8	4,4' -DDD	ND	0.70	0.38	ug/kg	
72-55-9	4,4' -DDE	ND	0.70	0.28	ug/kg	
50-29-3	4,4' -DDT	ND	0.70	0.34	ug/kg	
72-20-8	Endrin	ND	0.70	0.23	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.70	0.30	ug/kg	
959-98-8	Endosulfan-I	ND	0.70	0.26	ug/kg	
33213-65-9	Endosulfan-II	ND	0.70	0.42	ug/kg	
76-44-8	Heptachlor	ND	0.70	0.34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	62%		23-137%
877-09-8	Tetrachloro-m-xylene	68%		23-137%
2051-24-3	Decachlorobiphenyl	66%		22-160%
2051-24-3	Decachlorobiphenyl	64%		22-160%

(a) Sample extracted outside the holding time due to schedule error.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	DUPE_MW-8/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-6A	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	90.4
Method:	SW846 8082A SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	EF118287.D	1	03/12/13	JR	03/11/13	OP63865	GEF4705
Run #2							

	Initial Weight	Final Volume
Run #1	16.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	8.8	ug/kg	
11104-28-2	Aroclor 1221	ND	34	20	ug/kg	
11141-16-5	Aroclor 1232	ND	34	17	ug/kg	
53469-21-9	Aroclor 1242	ND	34	11	ug/kg	
12672-29-6	Aroclor 1248	ND	34	10	ug/kg	
11097-69-1	Aroclor 1254	ND	34	16	ug/kg	
11096-82-5	Aroclor 1260	ND	34	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		22-141%
877-09-8	Tetrachloro-m-xylene	85%		22-141%
2051-24-3	Decachlorobiphenyl	85%		18-163%
2051-24-3	Decachlorobiphenyl	88%		18-163%

(a) Sample extracted outside the holding time due to schedule error.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	DUPE_MW-8/18-20'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-6A	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	90.4
Project:	810 River Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 2.0	2.0	mg/kg	1	02/27/13	02/28/13	ND	SW846 6010C ² SW846 3050B ³
Barium	49.8	20	mg/kg	1	02/27/13	02/28/13	ND	SW846 6010C ² SW846 3050B ³
Beryllium	0.37	0.20	mg/kg	1	02/27/13	02/28/13	ND	SW846 6010C ² SW846 3050B ³
Cadmium	< 0.49	0.49	mg/kg	1	02/27/13	02/28/13	ND	SW846 6010C ² SW846 3050B ³
Chromium	19.2	0.99	mg/kg	1	02/27/13	02/28/13	ND	SW846 6010C ² SW846 3050B ³
Copper	15.4	2.5	mg/kg	1	02/27/13	02/28/13	ND	SW846 6010C ² SW846 3050B ³
Lead	5.3	2.0	mg/kg	1	02/27/13	02/28/13	ND	SW846 6010C ² SW846 3050B ³
Manganese	323	1.5	mg/kg	1	02/27/13	02/28/13	ND	SW846 6010C ² SW846 3050B ³
Mercury	< 0.033	0.033	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹ SW846 7471B ⁴
Nickel	16.6	4.0	mg/kg	1	02/27/13	02/28/13	ND	SW846 6010C ² SW846 3050B ³
Selenium	< 2.0	2.0	mg/kg	1	02/27/13	02/28/13	ND	SW846 6010C ² SW846 3050B ³
Silver	< 0.49	0.49	mg/kg	1	02/27/13	02/28/13	ND	SW846 6010C ² SW846 3050B ³
Zinc	53.8	2.0	mg/kg	1	02/27/13	02/28/13	ND	SW846 6010C ² SW846 3050B ³

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30595

(3) Prep QC Batch: MP70054

(4) Prep QC Batch: MP70074

RL = Reporting Limit

Report of Analysis

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Client Sample ID: DUPE_MW-8/18-20'**Lab Sample ID:** JB29023-6A**Matrix:** SO - Soil**Project:** 810 River Avenue, Bronx, NY**Date Sampled:** 02/13/13**Date Received:** 02/15/13**Percent Solids:** 90.4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.44	0.44	mg/kg	1	02/28/13 21:55	JY	SW846 3060A/7196A
Chromium, Trivalent ^a	19.2	1.4	mg/kg	1	02/28/13 21:55	ND	SW846 6010/7196A M
Cyanide	0.21	0.16	mg/kg	1	02/25/13 11:04	BP	SW846 9012 M/LACHAT
Redox Potential Vs H2	264		mv	1	02/27/13 17:39	CB	ASTM D1498-76M
Solids, Percent	90.4		%	1	02/22/13 11:05	BM	SM2540 G-97
pH	8.91		su	1	02/27/13 17:17	CB	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	MW-3/17-19'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-7	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.9
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I181730.D	1	02/22/13	SJM	n/a	n/a	VI7339
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	1.9	ug/kg	
71-43-2	Benzene	ND	1.1	0.13	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	0.13	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.6	0.13	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	0.33	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	0.15	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	0.12	ug/kg	
67-66-3	Chloroform	ND	5.6	0.093	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.6	0.21	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.6	0.21	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.6	0.20	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.15	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.6	0.29	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.6	0.21	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.6	0.27	ug/kg	
123-91-1	1,4-Dioxane	ND	140	67	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.29	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.26	ug/kg	
75-09-2	Methylene chloride	ND	5.6	1.4	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	0.13	ug/kg	
127-18-4	Tetrachloroethene	ND	5.6	0.19	ug/kg	
108-88-3	Toluene	0.48	1.1	0.12	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	5.6	0.12	ug/kg	
79-01-6	Trichloroethene	ND	5.6	0.20	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	0.23	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	0.18	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	0.16	ug/kg	
	m,p-Xylene	ND	1.1	0.20	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.16	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW-3/17-19'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-7	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.9
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
17060-07-0	1,2-Dichloroethane-D4	96%		70-122%
2037-26-5	Toluene-D8	101%		81-127%
460-00-4	4-Bromofluorobenzene	99%		66-132%

ND = Not detected MDL - Method Detection Limit
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Report of Analysis

Page 1 of 1

Client Sample ID:	MW-3/17-19'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-7	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.9
Method:	SW846 8270D SW846 3550C		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P17216.D	1	02/27/13	KH	02/22/13	OP63819	E3P786
Run #2							

	Initial Weight	Final Volume
Run #1	31.5 g	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	68	39	ug/kg	
	3&4-Methylphenol	ND	68	43	ug/kg	
87-86-5	Pentachlorophenol	ND	340	58	ug/kg	
108-95-2	Phenol	ND	68	36	ug/kg	
83-32-9	Acenaphthene	ND	34	9.9	ug/kg	
208-96-8	Acenaphthylene	ND	34	11	ug/kg	
120-12-7	Anthracene	ND	34	12	ug/kg	
56-55-3	Benzo(a)anthracene	ND	34	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	34	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	34	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	13	ug/kg	
218-01-9	Chrysene	ND	34	12	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	12	ug/kg	
132-64-9	Dibenzofuran	ND	68	10	ug/kg	
206-44-0	Fluoranthene	ND	34	15	ug/kg	
86-73-7	Fluorene	ND	34	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	68	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	12	ug/kg	
91-20-3	Naphthalene	ND	34	9.3	ug/kg	
85-01-8	Phenanthrene	ND	34	16	ug/kg	
129-00-0	Pyrene	ND	34	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	60%		21-116%
4165-62-2	Phenol-d5	60%		19-117%
118-79-6	2,4,6-Tribromophenol	78%		24-136%
4165-60-0	Nitrobenzene-d5	62%		21-122%
321-60-8	2-Fluorobiphenyl	65%		30-117%
1718-51-0	Terphenyl-d14	79%		31-129%

ND = Not detected MDL - Method Detection Limit

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Report of Analysis

Page 1 of 1

Client Sample ID:	MW-3/17-19'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-7	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.9
Method:	SW846 8081B SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G88847.D	1	02/27/13	HQ	02/25/13	OP63866	G1G2918
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.68	0.31	ug/kg	
319-84-6	alpha-BHC	ND	0.68	0.20	ug/kg	
319-85-7	beta-BHC	ND	0.68	0.42	ug/kg	
319-86-8	delta-BHC	ND	0.68	0.34	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.68	0.33	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.68	0.25	ug/kg	
60-57-1	Dieldrin	ND	0.68	0.27	ug/kg	
72-54-8	4,4' -DDD	ND	0.68	0.37	ug/kg	
72-55-9	4,4' -DDE	ND	0.68	0.27	ug/kg	
50-29-3	4,4' -DDT	ND	0.68	0.33	ug/kg	
72-20-8	Endrin	ND	0.68	0.22	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.68	0.29	ug/kg	
959-98-8	Endosulfan-I	ND	0.68	0.26	ug/kg	
33213-65-9	Endosulfan-II	ND	0.68	0.41	ug/kg	
76-44-8	Heptachlor	ND	0.68	0.33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	49%		23-137%
877-09-8	Tetrachloro-m-xylene	57%		23-137%
2051-24-3	Decachlorobiphenyl	48%		22-160%
2051-24-3	Decachlorobiphenyl	52%		22-160%

ND = Not detected MDL - Method Detection Limit

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Report of Analysis

Page 1 of 1

Client Sample ID:	MW-3/17-19'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-7	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.9
Method:	SW846 8082A SW846 3546		
Project:	810 River Avenue, Bronx, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX130586.D	1	02/28/13	JR	02/25/13	OP63865	GXX4603
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	8.8	ug/kg	
11104-28-2	Aroclor 1221	ND	34	20	ug/kg	
11141-16-5	Aroclor 1232	ND	34	17	ug/kg	
53469-21-9	Aroclor 1242	ND	34	11	ug/kg	
12672-29-6	Aroclor 1248	ND	34	10	ug/kg	
11097-69-1	Aroclor 1254	ND	34	16	ug/kg	
11096-82-5	Aroclor 1260	ND	34	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	49%		22-141%
877-09-8	Tetrachloro-m-xylene	49%		22-141%
2051-24-3	Decachlorobiphenyl	48%		18-163%
2051-24-3	Decachlorobiphenyl	49%		18-163%

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-3/17-19'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-7	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.9
Project:	810 River Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 2.2	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Barium	79.2	22	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	0.82	0.22	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	< 0.54	0.54	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	58.8	1.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Copper	12.9	2.7	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Lead	2.7	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	242	1.6	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	< 0.033	0.033	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹ SW846 7471B ³
Nickel	24.7	4.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.2	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Silver	0.70	0.54	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	54.6	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30602

(3) Prep QC Batch: MP70074

(4) Prep QC Batch: MP70079

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-3/17-19'	Date Sampled:	02/13/13
Lab Sample ID:	JB29023-7	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.9
Project:	810 River Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.43	0.43	mg/kg	1	02/28/13 21:55	JY	SW846 3060A/7196A
Chromium, Trivalent ^a	58.6	1.5	mg/kg	1	03/01/13 14:57	ND	SW846 6010/7196A M
Cyanide	< 0.24	0.24	mg/kg	1	02/22/13 10:20	BP	SW846 9012 M/LACHAT
Redox Potential Vs H2	303		mv	1	02/26/13 22:27	MH	ASTM D1498-76M
Solids, Percent	92.9		%	1	02/21/13 19:00	WR	SM2540 G-97
pH	7.02		su	1	02/26/13 21:33	MH	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	MW-4/18-20'	Date Sampled:	02/14/13
Lab Sample ID:	JB29023-8	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	96.3
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I181731.D	1	02/22/13	SJM	n/a	n/a	VI7339
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	1.8	ug/kg	
71-43-2	Benzene	ND	1.1	0.13	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.4	0.12	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.4	0.12	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.4	0.32	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.4	0.14	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	0.12	ug/kg	
67-66-3	Chloroform	ND	5.4	0.089	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.4	0.20	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.4	0.20	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.4	0.19	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.15	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.4	0.28	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.4	0.20	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.4	0.26	ug/kg	
123-91-1	1,4-Dioxane	ND	140	64	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.28	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.25	ug/kg	
75-09-2	Methylene chloride	ND	5.4	1.4	ug/kg	
103-65-1	n-Propylbenzene	ND	5.4	0.13	ug/kg	
127-18-4	Tetrachloroethene	ND	5.4	0.19	ug/kg	
108-88-3	Toluene	0.43	1.1	0.11	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	5.4	0.11	ug/kg	
79-01-6	Trichloroethene	ND	5.4	0.19	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.4	0.23	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.4	0.17	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	0.16	ug/kg	
	m,p-Xylene	ND	1.1	0.19	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.15	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.15	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW-4/18-20'	Date Sampled:	02/14/13
Lab Sample ID:	JB29023-8	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	96.3
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
17060-07-0	1,2-Dichloroethane-D4	98%		70-122%
2037-26-5	Toluene-D8	100%		81-127%
460-00-4	4-Bromofluorobenzene	99%		66-132%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	MW-4/18-20'	Date Sampled:	02/14/13
Lab Sample ID:	JB29023-8	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	96.3
Method:	SW846 8270D SW846 3550C		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F21096.D	1	03/04/13	NAP	02/27/13	OP63919	EF5097
Run #2 ^a	F21025.D	1	03/01/13	NAP	03/01/13	OP63989	EF5094

	Initial Weight	Final Volume
Run #1	35.5 g	1.0 ml
Run #2	33.0 g	1.0 ml

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	59	33	ug/kg	
	3&4-Methylphenol	ND	59	37	ug/kg	
87-86-5	Pentachlorophenol	ND	290	50	ug/kg	
108-95-2	Phenol	ND	59	31	ug/kg	
83-32-9	Acenaphthene	ND	29	8.5	ug/kg	
208-96-8	Acenaphthylene	ND	29	9.4	ug/kg	
120-12-7	Anthracene	ND	29	10	ug/kg	
56-55-3	Benzo(a)anthracene	ND	29	9.5	ug/kg	
50-32-8	Benzo(a)pyrene	ND	29	8.9	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	29	9.8	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	29	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	29	11	ug/kg	
218-01-9	Chrysene	ND	29	9.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	29	10	ug/kg	
132-64-9	Dibenzofuran	ND	59	8.7	ug/kg	
206-44-0	Fluoranthene	ND	29	13	ug/kg	
86-73-7	Fluorene	ND	29	9.6	ug/kg	
118-74-1	Hexachlorobenzene	ND	59	9.5	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	29	10	ug/kg	
91-20-3	Naphthalene	ND	29	8.0	ug/kg	
85-01-8	Phenanthrene	ND	29	13	ug/kg	
129-00-0	Pyrene	ND	29	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%	68%	21-116%
4165-62-2	Phenol-d5	27%	71%	19-117%
118-79-6	2,4,6-Tribromophenol	60%	83%	24-136%
4165-60-0	Nitrobenzene-d5	41%	73%	21-122%
321-60-8	2-Fluorobiphenyl	29% ^b	71%	30-117%
1718-51-0	Terphenyl-d14	67%	89%	31-129%

ND = Not detected MDL - Method Detection Limit

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW-4/18-20'	Date Sampled:	02/14/13
Lab Sample ID:	JB29023-8	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	96.3
Method:	SW846 8270D SW846 3550C		
Project:	810 River Avenue, Bronx, NY		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Confirmation run.

(b) Outside of in house control limits.

ND = Not detected MDL - Method Detection Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-4/18-20'	Date Sampled:	02/14/13
Lab Sample ID:	JB29023-8	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	96.3
Method:	SW846 8081B SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G88850.D	1	02/27/13	HQ	02/25/13	OP63866	G1G2918
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.65	0.30	ug/kg	
319-84-6	alpha-BHC	ND	0.65	0.20	ug/kg	
319-85-7	beta-BHC	ND	0.65	0.41	ug/kg	
319-86-8	delta-BHC	ND	0.65	0.32	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.65	0.32	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.65	0.24	ug/kg	
60-57-1	Dieldrin	ND	0.65	0.26	ug/kg	
72-54-8	4,4' -DDD	ND	0.65	0.36	ug/kg	
72-55-9	4,4' -DDE	ND	0.65	0.26	ug/kg	
50-29-3	4,4' -DDT	ND	0.65	0.32	ug/kg	
72-20-8	Endrin	ND	0.65	0.21	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.65	0.28	ug/kg	
959-98-8	Endosulfan-I	ND	0.65	0.25	ug/kg	
33213-65-9	Endosulfan-II	ND	0.65	0.39	ug/kg	
76-44-8	Heptachlor	ND	0.65	0.32	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		23-137%
877-09-8	Tetrachloro-m-xylene	76%		23-137%
2051-24-3	Decachlorobiphenyl	67%		22-160%
2051-24-3	Decachlorobiphenyl	71%		22-160%

ND = Not detected MDL - Method Detection Limit

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J = Indicates an estimated value

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-4/18-20'	Date Sampled:	02/14/13
Lab Sample ID:	JB29023-8	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	96.3
Method:	SW846 8082A SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX130527.D	1	02/27/13	JR	02/25/13	OP63865	GXX4602
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	8.5	ug/kg	
11104-28-2	Aroclor 1221	ND	33	20	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	10	ug/kg	
12672-29-6	Aroclor 1248	ND	33	10	ug/kg	
11097-69-1	Aroclor 1254	ND	33	15	ug/kg	
11096-82-5	Aroclor 1260	ND	33	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		22-141%
877-09-8	Tetrachloro-m-xylene	70%		22-141%
2051-24-3	Decachlorobiphenyl	70%		18-163%
2051-24-3	Decachlorobiphenyl	66%		18-163%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	MW-4/18-20'	Date Sampled:	02/14/13
Lab Sample ID:	JB29023-8	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	96.3
Project:	810 River Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 2.2	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Barium	34.4	22	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	0.44	0.22	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	< 0.54	0.54	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	9.0	1.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Copper	13.3	2.7	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Lead	2.8	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	209	1.6	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	< 0.030	0.030	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹ SW846 7471B ³
Nickel	8.2	4.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.2	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Silver	< 0.54	0.54	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	17.7	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30602

(3) Prep QC Batch: MP70074

(4) Prep QC Batch: MP70079

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-4/18-20'	Date Sampled:	02/14/13
Lab Sample ID:	JB29023-8	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	96.3
Project:	810 River Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.42	0.42	mg/kg	1	02/28/13 21:55	JY	SW846 3060A/7196A
Chromium, Trivalent ^a	9.0	1.5	mg/kg	1	03/01/13 15:03	ND	SW846 6010/7196A M
Cyanide	< 0.24	0.24	mg/kg	1	02/22/13 11:29	BP	SW846 9012 M/LACHAT
Redox Potential Vs H2	237		mv	1	02/26/13 22:27	MH	ASTM D1498-76M
Solids, Percent	96.3		%	1	02/21/13 19:00	WR	SM2540 G-97
pH	9.50		su	1	02/26/13 21:33	MH	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	MW-10/18-20'	Date Sampled:	02/14/13
Lab Sample ID:	JB29023-9	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	89.4
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I181771.D	1	02/25/13	SJM	n/a	n/a	VI7340
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.1	ug/kg	
71-43-2	Benzene	ND	1.2	0.14	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.9	ug/kg	
104-51-8	n-Butylbenzene	ND	6.1	0.14	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.1	0.14	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.1	0.36	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	0.16	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	0.13	ug/kg	
67-66-3	Chloroform	ND	6.1	0.10	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.1	0.23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.1	0.23	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.1	0.21	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.16	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.1	0.31	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.1	0.22	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.1	0.29	ug/kg	
123-91-1	1,4-Dioxane	ND	150	72	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.32	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.29	ug/kg	
75-09-2	Methylene chloride	ND	6.1	1.5	ug/kg	
103-65-1	n-Propylbenzene	ND	6.1	0.14	ug/kg	
127-18-4	Tetrachloroethene	1.2	6.1	0.21	ug/kg	J
108-88-3	Toluene	0.60	1.2	0.13	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	6.1	0.13	ug/kg	
79-01-6	Trichloroethene	ND	6.1	0.21	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.1	0.25	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.1	0.19	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	0.18	ug/kg	
	m,p-Xylene	ND	1.2	0.21	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.17	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.17	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW-10/18-20'	Date Sampled:	02/14/13
Lab Sample ID:	JB29023-9	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	89.4
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		70-130%
17060-07-0	1,2-Dichloroethane-D4	90%		70-122%
2037-26-5	Toluene-D8	97%		81-127%
460-00-4	4-Bromofluorobenzene	99%		66-132%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	MW-10/18-20'	Date Sampled:	02/14/13
Lab Sample ID:	JB29023-9	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	89.4
Method:	SW846 8270D SW846 3550C		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F21097.D	1	03/04/13	NAP	02/27/13	OP63919	EF5097
Run #2 ^a	F21026.D	1	03/01/13	NAP	03/01/13	OP63989	EF5094

	Initial Weight	Final Volume
Run #1	33.4 g	1.0 ml
Run #2	35.4 g	1.0 ml

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	67	38	ug/kg	
	3&4-Methylphenol	ND	67	43	ug/kg	
87-86-5	Pentachlorophenol	ND	330	57	ug/kg	
108-95-2	Phenol	ND	67	35	ug/kg	
83-32-9	Acenaphthene	ND	33	9.7	ug/kg	
208-96-8	Acenaphthylene	ND	33	11	ug/kg	
120-12-7	Anthracene	ND	33	12	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	13	ug/kg	
218-01-9	Chrysene	ND	33	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	11	ug/kg	
132-64-9	Dibenzofuran	ND	67	9.9	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	12	ug/kg	
91-20-3	Naphthalene	ND	33	9.1	ug/kg	
85-01-8	Phenanthrene	ND	33	15	ug/kg	
129-00-0	Pyrene	ND	33	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%	64%	21-116%
4165-62-2	Phenol-d5	22%	64%	19-117%
118-79-6	2,4,6-Tribromophenol	54%	73%	24-136%
4165-60-0	Nitrobenzene-d5	40%	69%	21-122%
321-60-8	2-Fluorobiphenyl	26% ^b	66%	30-117%
1718-51-0	Terphenyl-d14	63%	81%	31-129%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW-10/18-20'	Date Sampled:	02/14/13
Lab Sample ID:	JB29023-9	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	89.4
Method:	SW846 8270D SW846 3550C		
Project:	810 River Avenue, Bronx, NY		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Confirmation run.

(b) Outside of in house control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-10/18-20'	Date Sampled:	02/14/13
Lab Sample ID:	JB29023-9	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	89.4
Method:	SW846 8081B SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G88851.D	1	02/27/13	HQ	02/25/13	OP63866	G1G2918
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.74	0.34	ug/kg	
319-84-6	alpha-BHC	ND	0.74	0.22	ug/kg	
319-85-7	beta-BHC	ND	0.74	0.46	ug/kg	
319-86-8	delta-BHC	ND	0.74	0.36	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.74	0.36	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.74	0.27	ug/kg	
60-57-1	Dieldrin	ND	0.74	0.29	ug/kg	
72-54-8	4,4' -DDD	ND	0.74	0.40	ug/kg	
72-55-9	4,4' -DDE	ND	0.74	0.30	ug/kg	
50-29-3	4,4' -DDT	ND	0.74	0.36	ug/kg	
72-20-8	Endrin	ND	0.74	0.24	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.74	0.32	ug/kg	
959-98-8	Endosulfan-I	ND	0.74	0.28	ug/kg	
33213-65-9	Endosulfan-II	ND	0.74	0.44	ug/kg	
76-44-8	Heptachlor	ND	0.74	0.36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	53%		23-137%
877-09-8	Tetrachloro-m-xylene	56%		23-137%
2051-24-3	Decachlorobiphenyl	51%		22-160%
2051-24-3	Decachlorobiphenyl	55%		22-160%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-10/18-20'	Date Sampled:	02/14/13
Lab Sample ID:	JB29023-9	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	89.4
Method:	SW846 8082A SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX130528.D	1	02/27/13	JR	02/25/13	OP63865	GXX4602
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	37	9.6	ug/kg	
11104-28-2	Aroclor 1221	ND	37	22	ug/kg	
11141-16-5	Aroclor 1232	ND	37	19	ug/kg	
53469-21-9	Aroclor 1242	ND	37	12	ug/kg	
12672-29-6	Aroclor 1248	ND	37	11	ug/kg	
11097-69-1	Aroclor 1254	ND	37	17	ug/kg	
11096-82-5	Aroclor 1260	ND	37	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	51%		22-141%
877-09-8	Tetrachloro-m-xylene	52%		22-141%
2051-24-3	Decachlorobiphenyl	57%		18-163%
2051-24-3	Decachlorobiphenyl	55%		18-163%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-10/18-20'	Date Sampled:	02/14/13
Lab Sample ID:	JB29023-9	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	89.4
Project:	810 River Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 2.2	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Barium	25.9	22	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	0.57	0.22	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	< 0.56	0.56	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	16.3	1.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Copper	13.9	2.8	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Lead	3.5	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	253	1.7	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	< 0.032	0.032	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹ SW846 7471B ³
Nickel	11.3	4.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.2	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Silver	< 0.56	0.56	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	22.8	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30602

(3) Prep QC Batch: MP70074

(4) Prep QC Batch: MP70079

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	MW-10/18-20'	Date Sampled:	02/14/13
Lab Sample ID:	JB29023-9	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	89.4
Project:	810 River Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.45	0.45	mg/kg	1	02/28/13 21:55	JY	SW846 3060A/7196A
Chromium, Trivalent ^a	16.3	1.6	mg/kg	1	03/01/13 15:21	ND	SW846 6010/7196A M
Cyanide	< 0.27	0.27	mg/kg	1	02/22/13 10:23	BP	SW846 9012 M/LACHAT
Redox Potential Vs H2	263		mv	1	02/26/13 22:27	MH	ASTM D1498-76M
Solids, Percent	89.4		%	1	02/21/13 19:00	WR	SM2540 G-97
pH	8.44		su	1	02/26/13 21:33	MH	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	SB-1/5-7'	Date Sampled:	02/15/13
Lab Sample ID:	JB29023-10	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C96057.D	1	02/22/13	JTP	n/a	n/a	V3C4260
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	2.2	ug/kg	
71-43-2	Benzene	ND	1.3	0.16	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	3.1	ug/kg	
104-51-8	n-Butylbenzene	ND	6.6	0.15	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.6	0.15	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.6	0.39	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.6	0.17	ug/kg	
108-90-7	Chlorobenzene	ND	6.6	0.14	ug/kg	
67-66-3	Chloroform	ND	6.6	0.11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.6	0.25	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.6	0.25	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.6	0.23	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.6	0.18	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.18	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.6	0.34	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.6	0.24	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.6	0.31	ug/kg	
123-91-1	1,4-Dioxane	ND	160	78	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.35	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.31	ug/kg	
75-09-2	Methylene chloride	ND	6.6	1.7	ug/kg	
103-65-1	n-Propylbenzene	ND	6.6	0.16	ug/kg	
127-18-4	Tetrachloroethene	0.57	6.6	0.23	ug/kg	J
108-88-3	Toluene	ND	1.3	0.14	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.6	0.14	ug/kg	
79-01-6	Trichloroethene	ND	6.6	0.23	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	0.64	6.6	0.27	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	6.6	0.21	ug/kg	
75-01-4	Vinyl chloride	ND	6.6	0.19	ug/kg	
	m,p-Xylene	0.79	1.3	0.23	ug/kg	J
95-47-6	o-Xylene	ND	1.3	0.18	ug/kg	
1330-20-7	Xylene (total)	0.79	1.3	0.18	ug/kg	J

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	SB-1/5-7'	Date Sampled:	02/15/13
Lab Sample ID:	JB29023-10	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
17060-07-0	1,2-Dichloroethane-D4	87%		70-122%
2037-26-5	Toluene-D8	94%		81-127%
460-00-4	4-Bromofluorobenzene	97%		66-132%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	SB-1/5-7'	Date Sampled:	02/15/13
Lab Sample ID:	JB29023-10	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8270D SW846 3550C		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F21027.D	1	03/01/13	NAP	03/01/13	OP63989	EF5094
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	67	38	ug/kg	
	3&4-Methylphenol	ND	67	43	ug/kg	
87-86-5	Pentachlorophenol	ND	340	58	ug/kg	
108-95-2	Phenol	ND	67	35	ug/kg	
83-32-9	Acenaphthene	ND	34	9.8	ug/kg	
208-96-8	Acenaphthylene	ND	34	11	ug/kg	
120-12-7	Anthracene	ND	34	12	ug/kg	
56-55-3	Benzo(a)anthracene	ND	34	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	34	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	34	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	13	ug/kg	
218-01-9	Chrysene	ND	34	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	11	ug/kg	
132-64-9	Dibenzofuran	ND	67	10	ug/kg	
206-44-0	Fluoranthene	ND	34	15	ug/kg	
86-73-7	Fluorene	ND	34	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	12	ug/kg	
91-20-3	Naphthalene	ND	34	9.2	ug/kg	
85-01-8	Phenanthrene	ND	34	15	ug/kg	
129-00-0	Pyrene	ND	34	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		21-116%
4165-62-2	Phenol-d5	39%		19-117%
118-79-6	2,4,6-Tribromophenol	55%		24-136%
4165-60-0	Nitrobenzene-d5	37%		21-122%
321-60-8	2-Fluorobiphenyl	34%		30-117%
1718-51-0	Terphenyl-d14	62%		31-129%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	SB-1/5-7'	Date Sampled:	02/15/13
Lab Sample ID:	JB29023-10	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8081B SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G88852.D	1	02/27/13	HQ	02/25/13	OP63866	G1G2918
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.78	0.36	ug/kg	
319-84-6	alpha-BHC	ND	0.78	0.23	ug/kg	
319-85-7	beta-BHC	ND	0.78	0.49	ug/kg	
319-86-8	delta-BHC	ND	0.78	0.39	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.78	0.38	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.78	0.29	ug/kg	
60-57-1	Dieldrin	ND	0.78	0.30	ug/kg	
72-54-8	4,4' -DDD	ND	0.78	0.43	ug/kg	
72-55-9	4,4' -DDE	ND	0.78	0.31	ug/kg	
50-29-3	4,4' -DDT	ND	0.78	0.38	ug/kg	
72-20-8	Endrin	ND	0.78	0.25	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.78	0.34	ug/kg	
959-98-8	Endosulfan-I	ND	0.78	0.30	ug/kg	
33213-65-9	Endosulfan-II	ND	0.78	0.47	ug/kg	
76-44-8	Heptachlor	ND	0.78	0.38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%		23-137%
877-09-8	Tetrachloro-m-xylene	75%		23-137%
2051-24-3	Decachlorobiphenyl	65%		22-160%
2051-24-3	Decachlorobiphenyl	67%		22-160%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	SB-1/5-7'	Date Sampled:	02/15/13
Lab Sample ID:	JB29023-10	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8082A SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX130529.D	1	02/27/13	JR	02/25/13	OP63865	GXX4602
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	39	10	ug/kg	
11104-28-2	Aroclor 1221	ND	39	23	ug/kg	
11141-16-5	Aroclor 1232	ND	39	20	ug/kg	
53469-21-9	Aroclor 1242	ND	39	12	ug/kg	
12672-29-6	Aroclor 1248	ND	39	12	ug/kg	
11097-69-1	Aroclor 1254	ND	39	18	ug/kg	
11096-82-5	Aroclor 1260	ND	39	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	65%		22-141%
877-09-8	Tetrachloro-m-xylene	66%		22-141%
2051-24-3	Decachlorobiphenyl	77%		18-163%
2051-24-3	Decachlorobiphenyl	65%		18-163%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	SB-1/5-7'	Date Sampled:	02/15/13
Lab Sample ID:	JB29023-10	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	84.5
Project:	810 River Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	3.4	2.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Barium	31.6	23	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	1.0	0.23	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	< 0.59	0.59	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	17.1	1.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Copper	13.6	2.9	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Lead	8.0	2.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	407	1.8	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	< 0.036	0.036	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹ SW846 7471B ³
Nickel	14.7	4.7	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.3	2.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Silver	< 0.59	0.59	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	39.7	2.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30602

(3) Prep QC Batch: MP70074

(4) Prep QC Batch: MP70079

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-1/5-7'	Date Sampled:	02/15/13
Lab Sample ID:	JB29023-10	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	84.5
Project:	810 River Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.69	0.47	mg/kg	1	02/28/13 21:55	JY	SW846 3060A/7196A
Chromium, Trivalent ^a	16.4	1.7	mg/kg	1	03/01/13 15:27	ND	SW846 6010/7196A M
Cyanide	< 0.26	0.26	mg/kg	1	02/22/13 10:24	BP	SW846 9012 M/LACHAT
Redox Potential Vs H2	303		mv	1	02/26/13 22:27	MH	ASTM D1498-76M
Solids, Percent	84.5		%	1	02/21/13 19:00	WR	SM2540 G-97
pH	7.82		su	1	02/26/13 21:33	MH	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	WC-1	Date Sampled:	02/15/13
Lab Sample ID:	JB29023-11	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.4
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C96032.D	1	02/21/13	JTP	n/a	n/a	V3C4259
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.0	ug/kg	
71-43-2	Benzene	ND	1.2	0.14	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.9	ug/kg	
104-51-8	n-Butylbenzene	ND	6.0	0.14	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.0	0.14	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.0	0.35	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	0.16	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	0.13	ug/kg	
67-66-3	Chloroform	ND	6.0	0.099	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.0	0.23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.0	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.0	0.21	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.16	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.0	0.31	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.0	0.22	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.0	0.29	ug/kg	
123-91-1	1,4-Dioxane	ND	150	72	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.32	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.28	ug/kg	
75-09-2	Methylene chloride	ND	6.0	1.5	ug/kg	
103-65-1	n-Propylbenzene	ND	6.0	0.14	ug/kg	
127-18-4	Tetrachloroethene	ND	6.0	0.21	ug/kg	
108-88-3	Toluene	ND	1.2	0.13	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	0.13	ug/kg	
79-01-6	Trichloroethene	ND	6.0	0.21	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.0	0.25	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.0	0.19	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	0.17	ug/kg	
	m,p-Xylene	0.45	1.2	0.21	ug/kg	J
95-47-6	o-Xylene	ND	1.2	0.17	ug/kg	
1330-20-7	Xylene (total)	0.45	1.2	0.17	ug/kg	J

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	WC-1	Date Sampled:	02/15/13
Lab Sample ID:	JB29023-11	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.4
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
17060-07-0	1,2-Dichloroethane-D4	87%		70-122%
2037-26-5	Toluene-D8	95%		81-127%
460-00-4	4-Bromofluorobenzene	98%		66-132%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	WC-1	Date Sampled:	02/15/13
Lab Sample ID:	JB29023-11	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.4
Method:	SW846 8270D SW846 3550C		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F21028.D	1	03/01/13	NAP	03/01/13	OP63989	EF5094
Run #2							

	Initial Weight	Final Volume
Run #1	10.7 g	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	200	120	ug/kg	
	3&4-Methylphenol	ND	200	130	ug/kg	
87-86-5	Pentachlorophenol	ND	1000	170	ug/kg	
108-95-2	Phenol	ND	200	110	ug/kg	
83-32-9	Acenaphthene	ND	100	29	ug/kg	
208-96-8	Acenaphthylene	ND	100	32	ug/kg	
120-12-7	Anthracene	ND	100	35	ug/kg	
56-55-3	Benzo(a)anthracene	ND	100	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	100	31	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	100	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	100	38	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	100	38	ug/kg	
218-01-9	Chrysene	ND	100	34	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	100	34	ug/kg	
132-64-9	Dibenzofuran	ND	200	30	ug/kg	
206-44-0	Fluoranthene	ND	100	45	ug/kg	
86-73-7	Fluorene	ND	100	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	200	33	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	100	35	ug/kg	
91-20-3	Naphthalene	ND	100	28	ug/kg	
85-01-8	Phenanthrene	ND	100	46	ug/kg	
129-00-0	Pyrene	ND	100	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		21-116%
4165-62-2	Phenol-d5	43%		19-117%
118-79-6	2,4,6-Tribromophenol	75%		24-136%
4165-60-0	Nitrobenzene-d5	42%		21-122%
321-60-8	2-Fluorobiphenyl	50%		30-117%
1718-51-0	Terphenyl-d14	78%		31-129%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	WC-1	Date Sampled:	02/15/13
Lab Sample ID:	JB29023-11	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.4
Method:	SW846 8081B SW846 3546		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G88853.D	1	02/27/13	HQ	02/25/13	OP63866	G1G2918
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.70	0.32	ug/kg	
319-84-6	alpha-BHC	ND	0.70	0.21	ug/kg	
319-85-7	beta-BHC	ND	0.70	0.44	ug/kg	
319-86-8	delta-BHC	ND	0.70	0.35	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.70	0.34	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.70	0.26	ug/kg	
60-57-1	Dieldrin	ND	0.70	0.27	ug/kg	
72-54-8	4,4' -DDD	ND	0.70	0.38	ug/kg	
72-55-9	4,4' -DDE	ND	0.70	0.28	ug/kg	
50-29-3	4,4' -DDT	ND	0.70	0.34	ug/kg	
72-20-8	Endrin	ND	0.70	0.23	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.70	0.30	ug/kg	
959-98-8	Endosulfan-I	ND	0.70	0.26	ug/kg	
33213-65-9	Endosulfan-II	ND	0.70	0.42	ug/kg	
76-44-8	Heptachlor	ND	0.70	0.34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	55%		23-137%
877-09-8	Tetrachloro-m-xylene	66%		23-137%
2051-24-3	Decachlorobiphenyl	52%		22-160%
2051-24-3	Decachlorobiphenyl	54%		22-160%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	WC-1	Date Sampled:	02/15/13
Lab Sample ID:	JB29023-11	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.4
Method:	SW846 8082A SW846 3546		
Project:	810 River Avenue, Bronx, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX130530.D	1	02/27/13	JR	02/25/13	OP63865	GXX4602
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	9.1	ug/kg	
11104-28-2	Aroclor 1221	ND	35	21	ug/kg	
11141-16-5	Aroclor 1232	ND	35	18	ug/kg	
53469-21-9	Aroclor 1242	ND	35	11	ug/kg	
12672-29-6	Aroclor 1248	ND	35	11	ug/kg	
11097-69-1	Aroclor 1254	ND	35	16	ug/kg	
11096-82-5	Aroclor 1260	ND	35	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	65%		22-141%
877-09-8	Tetrachloro-m-xylene	63%		22-141%
2051-24-3	Decachlorobiphenyl	65%		18-163%
2051-24-3	Decachlorobiphenyl	68%		18-163%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	WC-1	Date Sampled:	02/15/13
Lab Sample ID:	JB29023-11	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.4
Project:	810 River Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	3.5	2.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Barium	40.5	21	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	0.87	0.21	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	< 0.52	0.52	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	13.8	1.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Copper	15.2	2.6	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Lead	9.8	2.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	386	1.6	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	< 0.034	0.034	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹ SW846 7471B ³
Nickel	14.8	4.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.1	2.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Silver	< 0.52	0.52	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	45.2	2.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30602

(3) Prep QC Batch: MP70074

(4) Prep QC Batch: MP70079

RL = Reporting Limit

Report of Analysis

Client Sample ID:	WC-1	Date Sampled:	02/15/13
Lab Sample ID:	JB29023-11	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.4
Project:	810 River Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.43	0.43	mg/kg	1	02/28/13 22:00	JY	SW846 3060A/7196A
Chromium, Trivalent ^a	13.4	1.4	mg/kg	1	03/01/13 15:33	ND	SW846 6010/7196A M
Cyanide	< 0.27	0.27	mg/kg	1	02/22/13 10:25	BP	SW846 9012 M/LACHAT
Redox Potential Vs H2	293		mv	1	02/26/13 22:27	MH	ASTM D1498-76M
Solids, Percent	92.4		%	1	02/21/13 19:00	WR	SM2540 G-97
pH	8.24		su	1	02/26/13 21:33	MH	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	WC-1	Date Sampled:	02/15/13
Lab Sample ID:	JB29023-11A	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.4
Project:	810 River Avenue, Bronx, NY		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	1	02/20/13	02/21/13 ND	SW846 6010C ¹	SW846 3010A ³
Barium	< 1.0	D005	100	1.0	mg/l	1	02/20/13	02/21/13 ND	SW846 6010C ¹	SW846 3010A ³
Cadmium	< 0.0050	D006	1.0	0.0050	mg/l	1	02/20/13	02/21/13 ND	SW846 6010C ¹	SW846 3010A ³
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	02/20/13	02/21/13 ND	SW846 6010C ¹	SW846 3010A ³
Lead	< 0.50	D008	5.0	0.50	mg/l	1	02/20/13	02/21/13 ND	SW846 6010C ¹	SW846 3010A ³
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	02/21/13	02/21/13 RP	SW846 7470A ²	SW846 7470A ⁴
Selenium	< 0.50	D010	1.0	0.50	mg/l	1	02/20/13	02/21/13 ND	SW846 6010C ¹	SW846 3010A ³
Silver	< 0.010	D011	5.0	0.010	mg/l	1	02/20/13	02/21/13 ND	SW846 6010C ¹	SW846 3010A ³

(1) Instrument QC Batch: MA30528

(2) Instrument QC Batch: MA30539

(3) Prep QC Batch: MP69922

(4) Prep QC Batch: MP69951

RL = Reporting Limit

MCL = Maximum Contamination Level (40 CFR 261.6/96)

Report of Analysis

Client Sample ID:	WC-1	Date Sampled:	02/15/13
Lab Sample ID:	JB29023-11A	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.4
Project:	810 River Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	8.14 NC		su	1	02/28/13	SA	SW846 CHAP7
Cyanide Reactivity	< 11	11	mg/kg	1	02/25/13 12:11	BP	SW846 CHAP7/9012 B
Ignitability (Flashpoint)	> 200		Deg. F	1	02/28/13	JOO	SW846 CHAP7/ASTM D93
Sulfide Reactivity	< 110	110	mg/kg	1	02/25/13	ST	SW846 CHAP7/9034

RL = Reporting Limit

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # JB 29023

Client / Reporting Information		Project Information		Requested Analysis (see TEST CODE sheet)										Matrix Codes	
Company Name Box Associates Street Address 209 Shattuck St City Islandia NY State NY Project Contact Christina Rele Phone # (315) 291-0051 Sampler(s) Name(s) Christina Rele		Project Name 810 River Ave Street 810 River Ave City Bronx State NY Project # Client Purchase Order # Project Manager Josh Levine		Billing Information (if different from Report to) Company Name Street Address City State Zip Attention: 										Matrix Codes DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WIP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank LAB USE ONLY	
Field ID / Point of Collection MECH/OI Vial #		Collection Date Time Sampled by Matrix # of bottles		Number of preserved bottles HCO NH ₄ HNO ₃ H ₂ SO ₄ NONE D1 Volume MECH ENCORE VOC SOL Metals Pest PBBS TCLP Metals PCRA CLTS										LAB USE ONLY	
-1 SB-2/17-19'		2/12/13 0945		X X X X										E106	
-2 SB-5/18-20'		2/12/13 1145		X X X X										19P5	
-3 SB-6/18-20'		2/12/13 1330		X X X X										M44 T4	
-4 SB-9/18-20'		2/12/13 1410		X X X X											
-5 SB-7/18-20'		2/13/13 0730		X X X X											
-6 MW-8/18-20'		2/13/13 0815		X X X X											
-7 MW-3/17-19'		2/13/13 1330		X X X X											
-8 MW-4/18-20'		2/14/13 0900		X X X X											
-9 MW-10/18-20'		2/14/13 1400		X X X X											
-10 SB-15-7'		2/15/13 0800		X X X X											
-11 WC-1		2/15/13 1100		X X X X											
Turnaround Time (Business days) ☒ Std. 10 Business Days ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY ☐ other Emergency & Rush TIA data available VIA Lablink		Approved By (Accutest PM): / Date: 		Data Deliverable Information ☐ Commercial "A" (Level 1) ☐ Commercial "B" (Level 2) ☐ FULLT1 (Level 3+4) ☐ NJ Reduced ☐ Commercial "C" ☐ NYASP Category A ☐ NYASP Category B ☐ State Forms ☐ EDD Format ☐ Other Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data										Comments / Special Instructions 	
Relinquished by Sampler: Date Time: 2/15/13 1245		Received By: 1 Chris Law		Relinquished By: 2 Chris Law										Date Time: 2/15/13	
Relinquished by Sampler: 3		Received By: 3		Relinquished By: 4										Date Time: 	
Relinquished by: 5		Received By: 5		Custody Seal # ☐ Intact ☐ Not intact Preserved where applicable ☐ On Ice Cooler Temp: 4.0°C										4	

JB29023: Chain of Custody

Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB29023 Client: _____ Project: _____
 Date / Time Received: 2/15/2013 Delivery Method: _____ Airbill #'s: _____
 Cooler Temps (Initial/Adjusted): #1: (4/4); 0

Cooler Security

<u>Y or N</u>	<u>Y or N</u>
1. Custody Seals Present: ☒ ☐	3. COC Present: ☒ ☐
2. Custody Seals Intact: ☒ ☐	4. Smpl Dates/Time OK ☒ ☐

Cooler Temperature

<u>Y or N</u>
1. Temp criteria achieved: ☒ ☐
2. Cooler temp verification: <u>Bar Therm</u>
3. Cooler media: <u>Ice (Bag)</u>
4. No. Coolers: <u>1</u>

Quality Control Preservation

	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	☐	☒	☐	
2. Trip Blank listed on COC:	☐	☒	☐	
3. Samples preserved properly:	☒	☐		
4. VOCs headspace free:	☒	☐	☐	

Sample Integrity - Documentation

	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample labels present on bottles:	☒	☐	
2. Container labeling complete:	☒	☐	
3. Sample container label / COC agree:	☒	☐	

Sample Integrity - Condition

	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample recvd within HT:	☒	☐	
2. All containers accounted for:	☒	☐	
3. Condition of sample:			<u>Intact</u>

Sample Integrity - Instructions

	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	☒	☐		
2. Bottles received for unspecified tests	☐	☒		
3. Sufficient volume recvd for analysis:	☒	☐		
4. Compositing instructions clear:	☐	☐		☒
5. Filtering instructions clear:	☐	☐		☒

Comments



04/09/13

Technical Report for

Roux Associates

810 River Avenue, Bronx, NY

Accutest Job Number: JB29521

Sampling Date: 02/22/13

Report to:

Roux Associates

jlevine@rouxinc.com

ATTN: Josh Levine

Total number of pages in report: **43**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

A handwritten signature in black ink that reads 'Nancy F. Cole'.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Roux Associates

Job No: JB29521

810 River Avenue, Bronx, NY

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JB29521-1	02/22/13	07:15 CP	02/22/13	AQ	Ground Water	MW-3
JB29521-1F	02/22/13	07:15 CP	02/22/13	AQ	Groundwater Filtered	MW-3
JB29521-2	02/22/13	08:20 CP	02/22/13	AQ	Ground Water	MW-4
JB29521-2F	02/22/13	08:20 CP	02/22/13	AQ	Groundwater Filtered	MW-4
JB29521-3	02/22/13	09:20 CP	02/22/13	AQ	Ground Water	MW-10
JB29521-3D	02/22/13	09:50 CP	02/22/13	AQ	Water Dup/MSD	MW-10/MSD
JB29521-3DF	02/22/13	09:50 CP	02/22/13	AQ	Water Dup/MSD	MW-10/MSD
JB29521-3F	02/22/13	09:20 CP	02/22/13	AQ	Groundwater Filtered	MW-10
JB29521-3S	02/22/13	09:40 CP	02/22/13	AQ	Water Matrix Spike	MW-10/MS
JB29521-3SF	02/22/13	09:40 CP	02/22/13	AQ	Water Matrix Spike	MW-10/MS
JB29521-4	02/22/13	09:30 CP	02/22/13	AQ	Ground Water	DUP022213
JB29521-4F	02/22/13	09:30 CP	02/22/13	AQ	Groundwater Filtered	DUP022213
JB29521-5	02/22/13	11:45 CP	02/22/13	AQ	Ground Water	MW-8



Sample Summary
(continued)

Roux Associates

810 River Avenue, Bronx, NY

Job No: JB29521

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JB29521-5F	02/22/13	11:45 CP	02/22/13	AQ	Groundwater Filtered	MW-8
JB29521-6	02/22/13	13:00 CP	02/22/13	AQ	Field Blank Water	FB022213
JB29521-7	02/22/13	13:00 CP	02/22/13	AQ	Trip Blank Water	TRIP BLANK

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Roux Associates**Job No** JB29521**Site:** 810 River Avenue, Bronx, NY**Report Date** 3/18/2013 11:45:52 A

On 02/22/2013, 5 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 4.1 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB29521 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ**Batch ID:** V2A5641

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB29521-3MS, JB29521-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for cis-1,2-Dichloroethene, Trichloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike Duplicate Recovery(s) for cis-1,2-Dichloroethene, Trichloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for Tetrachloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- RPD(s) for MSD for 1,4-Dioxane are outside control limits for sample JB29521-3MSD. Outside control limits due to matrix interference.

Matrix: AQ**Batch ID:** V2A5642

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB29457-5MS, JB29457-6DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Acetone are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for Duplicate for 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene are outside control limits for sample JB29457-6DUP. High RPD due to low concentration of hit

Matrix: AQ**Batch ID:** V2A5646

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29923-3MS, JB29923-3MSD were used as the QC samples indicated.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ

Batch ID: OP63930

- All samples were extracted within the recommended method holding time.
- Sample(s) JB29521-3MS, JB29521-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Duplicate Recovery(s) for Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Dibenzofuran, Fluoranthene, Fluorene, Hexachlorobenzene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene are outside control limits. Outside of in house control limits.
- RPD(s) for MSD for Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Dibenzofuran, Fluoranthene, Fluorene, Hexachlorobenzene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene are outside control limits for sample OP63930-MSD. Analytical precision exceeds standard laboratory control limits.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP70187

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29521-3FMS, JB29521-3FMSD, JB29521-3FSDL, JB29521-3MS, JB29521-3MSD, JB29521-3SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Beryllium, Chromium, Nickel, Selenium are outside control limits for sample MP70187-SD1, MP70187-SD2. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- JB29521-5 for Cadmium: Elevated sample detection limit due to difficult sample matrix.
- JB29521-5 for Silver: Elevated sample detection limit due to difficult sample matrix.
- JB29521-5 for Selenium: Elevated sample detection limit due to difficult sample matrix.
- JB29521-5 for Nickel: Elevated sample detection limit due to difficult sample matrix.
- JB29521-5 for Manganese: Elevated sample detection limit due to difficult sample matrix.
- JB29521-5 for Lead: Elevated sample detection limit due to difficult sample matrix.
- JB29521-5 for Zinc: Elevated sample detection limit due to difficult sample matrix.
- JB29521-5 for Chromium: Elevated sample detection limit due to difficult sample matrix.
- JB29521-5 for Barium: Elevated sample detection limit due to difficult sample matrix.
- JB29521-5 for Copper: Elevated sample detection limit due to difficult sample matrix.

Metals By Method SW846 7470A

Matrix: AQ

Batch ID: MP70224

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29521-3FMS, JB29521-3FMSD, JB29521-3MS, JB29521-3MSD were used as the QC samples for metals.
- JB29521-5 for Mercury: Elevated sample detection limit due to difficult sample matrix.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Monday, March 18, 2013

Page 2 of 2

Summary of Hits

Job Number: JB29521
Account: Roux Associates
Project: 810 River Avenue, Bronx, NY
Collected: 02/22/13



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB29521-1 MW-3						
Chloroform		10.5	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethene		265	10	1.9	ug/l	SW846 8260B
trans-1,2-Dichloroethene		13.7	1.0	0.21	ug/l	SW846 8260B
Tetrachloroethene		198	1.0	0.28	ug/l	SW846 8260B
Trichloroethene		135	1.0	0.22	ug/l	SW846 8260B
Chromium		12.9	10		ug/l	SW846 6010C
Copper		11.3	10		ug/l	SW846 6010C
Lead		3.1	3.0		ug/l	SW846 6010C
Manganese		366	15		ug/l	SW846 6010C
JB29521-1F MW-3						
Manganese		168	15		ug/l	SW846 6010C
JB29521-2 MW-4						
Chloroform		10.9	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethene		161	1.0	0.19	ug/l	SW846 8260B
trans-1,2-Dichloroethene		4.7	1.0	0.21	ug/l	SW846 8260B
Tetrachloroethene		223	10	2.8	ug/l	SW846 8260B
Trichloroethene		135	1.0	0.22	ug/l	SW846 8260B
Manganese		166	15		ug/l	SW846 6010C
JB29521-2F MW-4						
Manganese		248	15		ug/l	SW846 6010C
JB29521-3 MW-10						
Chloroform		2.9	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethene		179	1.0	0.19	ug/l	SW846 8260B
trans-1,2-Dichloroethene		4.8	1.0	0.21	ug/l	SW846 8260B
Tetrachloroethene		292	10	2.8	ug/l	SW846 8260B
Trichloroethene		125	1.0	0.22	ug/l	SW846 8260B
Manganese		30.4	15		ug/l	SW846 6010C
JB29521-3F MW-10						
Manganese		27.1	15		ug/l	SW846 6010C
JB29521-4 DUP022213						
Chloroform		3.0	1.0	0.20	ug/l	SW846 8260B

Summary of Hits

Job Number: JB29521
Account: Roux Associates
Project: 810 River Avenue, Bronx, NY
Collected: 02/22/13



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

cis-1,2-Dichloroethene		173	1.0	0.19	ug/l	SW846 8260B
trans-1,2-Dichloroethene		5.1	1.0	0.21	ug/l	SW846 8260B
Tetrachloroethene		269	10	2.8	ug/l	SW846 8260B
Trichloroethene		118	1.0	0.22	ug/l	SW846 8260B
Manganese		30.0	15		ug/l	SW846 6010C

JB29521-4F DUP022213

Manganese		20.3	15		ug/l	SW846 6010C

JB29521-5 MW-8

Chloroform		6.6	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethene		77.3	1.0	0.19	ug/l	SW846 8260B
trans-1,2-Dichloroethene		2.3	1.0	0.21	ug/l	SW846 8260B
Tetrachloroethene		135	1.0	0.28	ug/l	SW846 8260B
Toluene		0.51 J	1.0	0.23	ug/l	SW846 8260B
Trichloroethene		51.0	1.0	0.22	ug/l	SW846 8260B
Arsenic		6.2	6.0		ug/l	SW846 6010C
Barium ^a		515	400		ug/l	SW846 6010C
Beryllium		3.2	2.0		ug/l	SW846 6010C
Chromium ^a		109	20		ug/l	SW846 6010C
Copper ^a		112	20		ug/l	SW846 6010C
Lead ^a		25.0	6.0		ug/l	SW846 6010C
Manganese ^a		1310	30		ug/l	SW846 6010C
Nickel ^a		87.0	20		ug/l	SW846 6010C
Zinc ^a		285	40		ug/l	SW846 6010C

JB29521-5F MW-8

Manganese		166	15		ug/l	SW846 6010C

JB29521-6 FB022213

No hits reported in this sample.

JB29521-7 TRIP BLANK

No hits reported in this sample.

(a) Elevated sample detection limit due to difficult sample matrix.

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 2

Client Sample ID:	MW-3	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-1	Date Received:	02/22/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A132229.D	1	02/28/13	CC	n/a	n/a	V2A5641
Run #2	2A132326.D	10	03/04/13	CC	n/a	n/a	V2A5646

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.17	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.30	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
67-66-3	Chloroform	10.5	1.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	265 ^a	10	1.9	ug/l	
156-60-5	trans-1,2-Dichloroethene	13.7	1.0	0.21	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.24	ug/l	
127-18-4	Tetrachloroethene	198	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	135	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.36	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW-3	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-1	Date Received:	02/22/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	96%	81-121%
17060-07-0	1,2-Dichloroethane-D4	103%	97%	74-127%
2037-26-5	Toluene-D8	97%	96%	80-122%
460-00-4	4-Bromofluorobenzene	100%	101%	78-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-3	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-1	Date Received:	02/22/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P17411.D	1	03/06/13	KH	02/27/13	OP63930	E3P794
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	2.2	1.1	ug/l	
	3&4-Methylphenol	ND	2.2	0.99	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.5	ug/l	
108-95-2	Phenol	ND	2.2	1.4	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.28	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.25	ug/l	
120-12-7	Anthracene	ND	1.1	0.31	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.24	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.24	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.49	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.35	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.55	ug/l	
218-01-9	Chrysene	ND	1.1	0.31	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.41	ug/l	
132-64-9	Dibenzofuran	ND	5.4	0.28	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.34	ug/l	
86-73-7	Fluorene	ND	1.1	0.30	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.36	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.40	ug/l	
91-20-3	Naphthalene	ND	1.1	0.28	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.31	ug/l	
129-00-0	Pyrene	ND	1.1	0.29	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		10-83%
4165-62-2	Phenol-d5	30%		10-74%
118-79-6	2,4,6-Tribromophenol	92%		24-148%
4165-60-0	Nitrobenzene-d5	76%		38-129%
321-60-8	2-Fluorobiphenyl	76%		42-117%
1718-51-0	Terphenyl-d14	94%		14-132%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-3	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-1	Date Received:	02/22/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	810 River Avenue, Bronx, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³
Barium	< 200	200	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹
Beryllium	< 1.0	1.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³
Cadmium	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹
Chromium	12.9	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹
Copper	11.3	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹
Lead	3.1	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹
Manganese	366	15	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹
Mercury	< 0.20	0.20	ug/l	1	03/06/13	03/06/13	DP	SW846 7470A ²
Nickel	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹
Selenium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹
Silver	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹
Zinc	< 20	20	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹

(1) Instrument QC Batch: MA30630

(2) Instrument QC Batch: MA30635

(3) Instrument QC Batch: MA30638

(4) Prep QC Batch: MP70187

(5) Prep QC Batch: MP70224

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-3	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-1F	Date Received:	02/22/13
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	810 River Avenue, Bronx, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³ SW846 3010A ⁴
Barium	< 200	200	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³ SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Lead	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Manganese	168	15	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	03/06/13	03/06/13	DP	SW846 7470A ² SW846 7470A ⁵
Nickel	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Silver	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Zinc	< 20	20	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴

(1) Instrument QC Batch: MA30630

(2) Instrument QC Batch: MA30635

(3) Instrument QC Batch: MA30638

(4) Prep QC Batch: MP70187

(5) Prep QC Batch: MP70224

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	MW-4	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-2	Date Received:	02/22/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A132230.D	1	02/28/13	CC	n/a	n/a	V2A5641
Run #2	2A132235.D	10	02/28/13	CC	n/a	n/a	V2A5641

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.17	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.30	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
67-66-3	Chloroform	10.9	1.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	161	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	4.7	1.0	0.21	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.24	ug/l	
127-18-4	Tetrachloroethene	223 ^a	10	2.8	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	135	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.36	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW-4	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-2	Date Received:	02/22/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	98%	81-121%
17060-07-0	1,2-Dichloroethane-D4	101%	100%	74-127%
2037-26-5	Toluene-D8	96%	97%	80-122%
460-00-4	4-Bromofluorobenzene	101%	101%	78-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-4	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-2	Date Received:	02/22/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P17377.D	1	03/05/13	KH	02/27/13	OP63930	E3P793
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	2.1	1.1	ug/l	
	3&4-Methylphenol	ND	2.1	0.97	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.5	ug/l	
108-95-2	Phenol	ND	2.1	1.3	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.28	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.24	ug/l	
120-12-7	Anthracene	ND	1.1	0.30	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.24	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.24	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.48	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.54	ug/l	
218-01-9	Chrysene	ND	1.1	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.40	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.28	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.33	ug/l	
86-73-7	Fluorene	ND	1.1	0.29	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.36	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.39	ug/l	
91-20-3	Naphthalene	ND	1.1	0.27	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.31	ug/l	
129-00-0	Pyrene	ND	1.1	0.28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		10-83%
4165-62-2	Phenol-d5	34%		10-74%
118-79-6	2,4,6-Tribromophenol	98%		24-148%
4165-60-0	Nitrobenzene-d5	80%		38-129%
321-60-8	2-Fluorobiphenyl	78%		42-117%
1718-51-0	Terphenyl-d14	98%		14-132%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-4	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-2	Date Received:	02/22/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	810 River Avenue, Bronx, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³ SW846 3010A ⁴
Barium	< 200	200	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³ SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Lead	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Manganese	166	15	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	03/06/13	03/06/13	DP	SW846 7470A ² SW846 7470A ⁵
Nickel	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Silver	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Zinc	< 20	20	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴

(1) Instrument QC Batch: MA30630

(2) Instrument QC Batch: MA30635

(3) Instrument QC Batch: MA30638

(4) Prep QC Batch: MP70187

(5) Prep QC Batch: MP70224

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-4	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-2F	Date Received:	02/22/13
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	810 River Avenue, Bronx, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³ SW846 3010A ⁴
Barium	< 200	200	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³ SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Lead	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Manganese	248	15	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	03/06/13	03/06/13	DP	SW846 7470A ² SW846 7470A ⁵
Nickel	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Silver	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Zinc	< 20	20	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴

(1) Instrument QC Batch: MA30630

(2) Instrument QC Batch: MA30635

(3) Instrument QC Batch: MA30638

(4) Prep QC Batch: MP70187

(5) Prep QC Batch: MP70224

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	MW-10	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-3	Date Received:	02/22/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A132218.D	1	02/28/13	CC	n/a	n/a	V2A5641
Run #2	2A132219.D	10	02/28/13	CC	n/a	n/a	V2A5641

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.17	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.30	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
67-66-3	Chloroform	2.9	1.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	179	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	4.8	1.0	0.21	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.24	ug/l	
127-18-4	Tetrachloroethene	292 ^a	10	2.8	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	125	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.36	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW-10	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-3	Date Received:	02/22/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	98%	81-121%
17060-07-0	1,2-Dichloroethane-D4	99%	99%	74-127%
2037-26-5	Toluene-D8	98%	97%	80-122%
460-00-4	4-Bromofluorobenzene	100%	100%	78-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-10	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-3	Date Received:	02/22/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P17271.D	1	02/28/13	KH	02/27/13	OP63930	E3P788
Run #2							

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	2.1	1.1	ug/l	
	3&4-Methylphenol	ND	2.1	0.95	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.4	ug/l	
108-95-2	Phenol	ND	2.1	1.3	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.27	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.24	ug/l	
120-12-7	Anthracene	ND	1.0	0.30	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.47	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.33	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.52	ug/l	
218-01-9	Chrysene	ND	1.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.39	ug/l	
132-64-9	Dibenzofuran	ND	5.2	0.27	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.33	ug/l	
86-73-7	Fluorene	ND	1.0	0.29	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.35	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.39	ug/l	
91-20-3	Naphthalene	ND	1.0	0.27	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.30	ug/l	
129-00-0	Pyrene	ND	1.0	0.28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		10-83%
4165-62-2	Phenol-d5	26%		10-74%
118-79-6	2,4,6-Tribromophenol	79%		24-148%
4165-60-0	Nitrobenzene-d5	74%		38-129%
321-60-8	2-Fluorobiphenyl	71%		42-117%
1718-51-0	Terphenyl-d14	81%		14-132%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-10	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-3	Date Received:	02/22/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	810 River Avenue, Bronx, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³ SW846 3010A ⁴
Barium	< 200	200	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³ SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Lead	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Manganese	30.4	15	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	03/06/13	03/06/13	DP	SW846 7470A ² SW846 7470A ⁵
Nickel	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Silver	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Zinc	< 20	20	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴

(1) Instrument QC Batch: MA30630

(2) Instrument QC Batch: MA30635

(3) Instrument QC Batch: MA30638

(4) Prep QC Batch: MP70187

(5) Prep QC Batch: MP70224

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	MW-10	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-3F	Date Received:	02/22/13
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	810 River Avenue, Bronx, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³ SW846 3010A ⁴
Barium	< 200	200	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³ SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Lead	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Manganese	27.1	15	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	03/06/13	03/06/13	DP	SW846 7470A ² SW846 7470A ⁵
Nickel	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Silver	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Zinc	< 20	20	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴

(1) Instrument QC Batch: MA30630

(2) Instrument QC Batch: MA30635

(3) Instrument QC Batch: MA30638

(4) Prep QC Batch: MP70187

(5) Prep QC Batch: MP70224

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	DUP022213	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-4	Date Received:	02/22/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A132232.D	1	02/28/13	CC	n/a	n/a	V2A5641
Run #2	2A132233.D	10	02/28/13	CC	n/a	n/a	V2A5641

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.17	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.30	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
67-66-3	Chloroform	3.0	1.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	173	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	5.1	1.0	0.21	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.24	ug/l	
127-18-4	Tetrachloroethene	269 ^a	10	2.8	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	118	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.36	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	DUP022213	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-4	Date Received:	02/22/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	98%	81-121%
17060-07-0	1,2-Dichloroethane-D4	102%	100%	74-127%
2037-26-5	Toluene-D8	98%	97%	80-122%
460-00-4	4-Bromofluorobenzene	100%	101%	78-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	DUP022213	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-4	Date Received:	02/22/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P17394.D	1	03/06/13	KH	02/27/13	OP63930	E3P793
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	2.2	1.1	ug/l	
	3&4-Methylphenol	ND	2.2	0.99	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.5	ug/l	
108-95-2	Phenol	ND	2.2	1.4	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.28	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.25	ug/l	
120-12-7	Anthracene	ND	1.1	0.31	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.24	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.24	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.49	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.35	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.55	ug/l	
218-01-9	Chrysene	ND	1.1	0.31	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.41	ug/l	
132-64-9	Dibenzofuran	ND	5.4	0.28	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.34	ug/l	
86-73-7	Fluorene	ND	1.1	0.30	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.36	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.40	ug/l	
91-20-3	Naphthalene	ND	1.1	0.28	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.31	ug/l	
129-00-0	Pyrene	ND	1.1	0.29	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		10-83%
4165-62-2	Phenol-d5	32%		10-74%
118-79-6	2,4,6-Tribromophenol	99%		24-148%
4165-60-0	Nitrobenzene-d5	77%		38-129%
321-60-8	2-Fluorobiphenyl	77%		42-117%
1718-51-0	Terphenyl-d14	103%		14-132%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	DUP022213	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-4	Date Received:	02/22/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	810 River Avenue, Bronx, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³ SW846 3010A ⁴
Barium	< 200	200	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³ SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Lead	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Manganese	30.0	15	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	03/06/13	03/06/13	DP	SW846 7470A ² SW846 7470A ⁵
Nickel	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Silver	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Zinc	< 20	20	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴

(1) Instrument QC Batch: MA30630

(2) Instrument QC Batch: MA30635

(3) Instrument QC Batch: MA30638

(4) Prep QC Batch: MP70187

(5) Prep QC Batch: MP70224

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	DUP022213	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-4F	Date Received:	02/22/13
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	810 River Avenue, Bronx, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³ SW846 3010A ⁴
Barium	< 200	200	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³ SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Lead	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Manganese	20.3	15	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	03/06/13	03/06/13	DP	SW846 7470A ² SW846 7470A ⁵
Nickel	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Silver	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Zinc	< 20	20	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴

(1) Instrument QC Batch: MA30630

(2) Instrument QC Batch: MA30635

(3) Instrument QC Batch: MA30638

(4) Prep QC Batch: MP70187

(5) Prep QC Batch: MP70224

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	MW-8	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-5	Date Received:	02/22/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A132234.D	1	02/28/13	CC	n/a	n/a	V2A5641
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.17	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.30	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
67-66-3	Chloroform	6.6	1.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	77.3	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	2.3	1.0	0.21	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.24	ug/l	
127-18-4	Tetrachloroethene	135	1.0	0.28	ug/l	
108-88-3	Toluene	0.51	1.0	0.23	ug/l	J
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	51.0	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.36	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW-8	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-5	Date Received:	02/22/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		81-121%
17060-07-0	1,2-Dichloroethane-D4	102%		74-127%
2037-26-5	Toluene-D8	96%		80-122%
460-00-4	4-Bromofluorobenzene	100%		78-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-8	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-5	Date Received:	02/22/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P17393.D	1	03/06/13	KH	02/27/13	OP63930	E3P793
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	2.2	1.1	ug/l	
	3&4-Methylphenol	ND	2.2	1.0	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.5	ug/l	
108-95-2	Phenol	ND	2.2	1.4	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.29	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.25	ug/l	
120-12-7	Anthracene	ND	1.1	0.31	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.25	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.25	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.50	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.35	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.55	ug/l	
218-01-9	Chrysene	ND	1.1	0.31	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.41	ug/l	
132-64-9	Dibenzofuran	ND	5.4	0.29	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.35	ug/l	
86-73-7	Fluorene	ND	1.1	0.30	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.37	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.41	ug/l	
91-20-3	Naphthalene	ND	1.1	0.28	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.32	ug/l	
129-00-0	Pyrene	ND	1.1	0.29	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		10-83%
4165-62-2	Phenol-d5	33%		10-74%
118-79-6	2,4,6-Tribromophenol	98%		24-148%
4165-60-0	Nitrobenzene-d5	78%		38-129%
321-60-8	2-Fluorobiphenyl	79%		42-117%
1718-51-0	Terphenyl-d14	97%		14-132%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-8	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-5	Date Received:	02/22/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	810 River Avenue, Bronx, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	6.2	6.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³
Barium ^a	515	400	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹
Beryllium	3.2	2.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³
Cadmium ^a	< 6.0	6.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹
Chromium ^a	109	20	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹
Copper ^a	112	20	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹
Lead ^a	25.0	6.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹
Manganese ^a	1310	30	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹
Mercury ^a	< 0.40	0.40	ug/l	1	03/06/13	03/06/13	DP	SW846 7470A ²
Nickel ^a	87.0	20	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹
Selenium ^a	< 20	20	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹
Silver ^a	< 20	20	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹
Zinc ^a	285	40	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹

(1) Instrument QC Batch: MA30630

(2) Instrument QC Batch: MA30635

(3) Instrument QC Batch: MA30638

(4) Prep QC Batch: MP70187

(5) Prep QC Batch: MP70224

(a) Elevated sample detection limit due to difficult sample matrix.

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	MW-8	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-5F	Date Received:	02/22/13
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	810 River Avenue, Bronx, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³ SW846 3010A ⁴
Barium	< 200	200	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³ SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Lead	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Manganese	166	15	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	03/06/13	03/06/13	DP	SW846 7470A ² SW846 7470A ⁵
Nickel	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Silver	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Zinc	< 20	20	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴

(1) Instrument QC Batch: MA30630

(2) Instrument QC Batch: MA30635

(3) Instrument QC Batch: MA30638

(4) Prep QC Batch: MP70187

(5) Prep QC Batch: MP70224

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	FB022213	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-6	Date Received:	02/22/13
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A132236.D	1	02/28/13	CC	n/a	n/a	V2A5641
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.17	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.30	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.36	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	FB022213	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-6	Date Received:	02/22/13
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		81-121%
17060-07-0	1,2-Dichloroethane-D4	101%		74-127%
2037-26-5	Toluene-D8	96%		80-122%
460-00-4	4-Bromofluorobenzene	101%		78-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	FB022213	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-6	Date Received:	02/22/13
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P17412.D	1	03/06/13	KH	02/27/13	OP63930	E3P794
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	2.1	1.1	ug/l	
	3&4-Methylphenol	ND	2.1	0.96	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.4	ug/l	
108-95-2	Phenol	ND	2.1	1.3	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.27	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.24	ug/l	
120-12-7	Anthracene	ND	1.0	0.30	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.24	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.24	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.48	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.53	ug/l	
218-01-9	Chrysene	ND	1.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.39	ug/l	
132-64-9	Dibenzofuran	ND	5.2	0.28	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.33	ug/l	
86-73-7	Fluorene	ND	1.0	0.29	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.35	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.39	ug/l	
91-20-3	Naphthalene	ND	1.0	0.27	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.30	ug/l	
129-00-0	Pyrene	ND	1.0	0.28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		10-83%
4165-62-2	Phenol-d5	37%		10-74%
118-79-6	2,4,6-Tribromophenol	101%		24-148%
4165-60-0	Nitrobenzene-d5	96%		38-129%
321-60-8	2-Fluorobiphenyl	90%		42-117%
1718-51-0	Terphenyl-d14	108%		14-132%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: FB022213**Lab Sample ID:** JB29521-6**Matrix:** AQ - Field Blank Water**Project:** 810 River Avenue, Bronx, NY**Date Sampled:** 02/22/13**Date Received:** 02/22/13**Percent Solids:** n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³ SW846 3010A ⁴
Barium	< 200	200	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ³ SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Lead	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Manganese	< 15	15	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	03/06/13	03/06/13	DP	SW846 7470A ² SW846 7470A ⁵
Nickel	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Silver	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴
Zinc	< 20	20	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ¹ SW846 3010A ⁴

(1) Instrument QC Batch: MA30630

(2) Instrument QC Batch: MA30635

(3) Instrument QC Batch: MA30638

(4) Prep QC Batch: MP70187

(5) Prep QC Batch: MP70224

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	TRIP BLANK	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-7	Date Received:	02/22/13
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A132254.D	1	03/01/13	CC	n/a	n/a	V2A5642
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.17	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.30	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.36	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	TRIP BLANK	Date Sampled:	02/22/13
Lab Sample ID:	JB29521-7	Date Received:	02/22/13
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		81-121%
17060-07-0	1,2-Dichloroethane-D4	100%		74-127%
2037-26-5	Toluene-D8	95%		80-122%
460-00-4	4-Bromofluorobenzene	103%		78-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



PAGE 1 OF 1

FED Ex Tracking # P-1830 8255	Bottle Order Control #
Account Quote #	Account Job # JB29521

5.1

mb

Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB29521 Client: _____ Project: _____
 Date / Time Received: 2/22/2013 Delivery Method: _____ Airbill #'s: _____
 Cooler Temps (Initial/Adjusted): #1: (3.5/3.5); #2: (4.1/4.1); 0

Cooler Security

Y or N	Y or N
1. Custody Seals Present: ☒ ☐	3. COC Present: ☒ ☐
2. Custody Seals Intact: ☒ ☐	4. Smpl Dates/Time OK ☒ ☐

Cooler Temperature

Y or N
1. Temp criteria achieved: ☒ ☐
2. Cooler temp verification: <u>IR Gun</u>
3. Cooler media: <u>Ice (Bag)</u>
4. No. Coolers: <u>2</u>

Quality Control Preservation

Y or N	N/A
1. Trip Blank present / cooler: ☒ ☐ ☐	
2. Trip Blank listed on COC: ☒ ☐ ☐	
3. Samples preserved properly: ☒ ☐ ☐	
4. VOCs headspace free: ☒ ☐ ☐	

Sample Integrity - Documentation

Y or N
1. Sample labels present on bottles: ☒ ☐
2. Container labeling complete: ☒ ☐
3. Sample container label / COC agree: ☒ ☐

Sample Integrity - Condition

Y or N
1. Sample recvd within HT: ☒ ☐
2. All containers accounted for: ☒ ☐
3. Condition of sample: <u>Intact</u>

Sample Integrity - Instructions

Y or N	N/A
1. Analysis requested is clear: ☒ ☐	
2. Bottles received for unspecified tests: ☐ ☒	
3. Sufficient volume recvd for analysis: ☒ ☐	
4. Compositing instructions clear: ☐ ☐ ☒	
5. Filtering instructions clear: ☐ ☐ ☒	

Comments



04/09/13

Technical Report for

Roux Associates

810 River Avenue, Bronx, NY

Accutest Job Number: JB29650

Sampling Date: 02/22/13

Report to:

Roux Associates

jlevine@rouxinc.com

ATTN: Josh Levine

Total number of pages in report: **16**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

A handwritten signature in black ink that reads 'Nancy F. Cole'.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Roux Associates
810 River Avenue, Bronx, NY

Job No: JB29650

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JB29650-1	02/22/13	14:45 CP	02/23/13	AQ	Surface Water	SW-1
JB29650-1F	02/22/13	14:45 CP	02/23/13	AQ	Surface H2O Filtered	SW-1

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Roux Associates**Job No** JB29650**Site:** 810 River Avenue, Bronx, NY**Report Date** 3/12/2013 10:15:48 A

On 02/23/2013, 1 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 3 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB29650 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ**Batch ID:** V2A5646

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29923-3MS, JB29923-3MSD were used as the QC samples indicated.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ**Batch ID:** OP64003

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29739-1MS, JB29739-1MSD were used as the QC samples indicated.

Metals By Method SW846 6010C

Matrix: AQ**Batch ID:** MP70189

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29598-1MS, JB29598-1MSD, JB29598-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Beryllium, Chromium, Nickel, Silver, Zinc are outside control limits for sample MP70189-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7470A

Matrix: AQ**Batch ID:** MP70225

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29545-2MS, JB29545-2MSD were used as the QC samples for metals.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Page 1 of 1

Job Number: JB29650
Account: Roux Associates
Project: 810 River Avenue, Bronx, NY
Collected: 02/22/13



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

JB29650-1 SW-1

sec-Butylbenzene	0.88 J	5.0	0.21	ug/l	SW846 8260B
tert-Butylbenzene	0.71 J	5.0	0.30	ug/l	SW846 8260B
cis-1,2-Dichloroethene	2.2	1.0	0.19	ug/l	SW846 8260B
Ethylbenzene	0.32 J	1.0	0.23	ug/l	SW846 8260B
n-Propylbenzene	0.53 J	5.0	0.24	ug/l	SW846 8260B
Tetrachloroethene	1.6	1.0	0.28	ug/l	SW846 8260B
Toluene	0.32 J	1.0	0.23	ug/l	SW846 8260B
Trichloroethene	2.2	1.0	0.22	ug/l	SW846 8260B
1,2,4-Trimethylbenzene	2.9	2.0	0.19	ug/l	SW846 8260B
Vinyl chloride	0.46 J	1.0	0.21	ug/l	SW846 8260B
m,p-Xylene	0.55 J	1.0	0.42	ug/l	SW846 8260B
Xylene (total)	0.55 J	1.0	0.24	ug/l	SW846 8260B
Manganese	1600	15		ug/l	SW846 6010C

JB29650-1F SW-1

Manganese	1580	15		ug/l	SW846 6010C

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 2

Client Sample ID:	SW-1	Date Sampled:	02/22/13
Lab Sample ID:	JB29650-1	Date Received:	02/23/13
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A132330.D	1	03/04/13	CC	n/a	n/a	V2A5646
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.17	ug/l	
135-98-8	sec-Butylbenzene	0.88	5.0	0.21	ug/l	J
98-06-6	tert-Butylbenzene	0.71	5.0	0.30	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	2.2	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	0.32	1.0	0.23	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
103-65-1	n-Propylbenzene	0.53	5.0	0.24	ug/l	J
127-18-4	Tetrachloroethene	1.6	1.0	0.28	ug/l	
108-88-3	Toluene	0.32	1.0	0.23	ug/l	J
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	2.2	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	2.9	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.36	ug/l	
75-01-4	Vinyl chloride	0.46	1.0	0.21	ug/l	J
	m,p-Xylene	0.55	1.0	0.42	ug/l	J
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	0.55	1.0	0.24	ug/l	J

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	SW-1	Date Sampled:	02/22/13
Lab Sample ID:	JB29650-1	Date Received:	02/23/13
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	810 River Avenue, Bronx, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		81-121%
17060-07-0	1,2-Dichloroethane-D4	99%		74-127%
2037-26-5	Toluene-D8	96%		80-122%
460-00-4	4-Bromofluorobenzene	99%		78-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	SW-1	Date Sampled:	02/22/13
Lab Sample ID:	JB29650-1	Date Received:	02/23/13
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	810 River Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R97587.D	1	03/04/13	ALS	03/01/13	OP64003	ER3866
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	2.0	1.0	ug/l	
	3&4-Methylphenol	ND	2.0	0.93	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.4	ug/l	
108-95-2	Phenol	ND	2.0	1.3	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.26	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.23	ug/l	
120-12-7	Anthracene	ND	1.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.46	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.32	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.51	ug/l	
218-01-9	Chrysene	ND	1.0	0.29	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.38	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.27	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.32	ug/l	
86-73-7	Fluorene	ND	1.0	0.28	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.34	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.37	ug/l	
91-20-3	Naphthalene	ND	1.0	0.26	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.29	ug/l	
129-00-0	Pyrene	ND	1.0	0.27	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		10-83%
4165-62-2	Phenol-d5	29%		10-74%
118-79-6	2,4,6-Tribromophenol	75%		24-148%
4165-60-0	Nitrobenzene-d5	81%		38-129%
321-60-8	2-Fluorobiphenyl	67%		42-117%
1718-51-0	Terphenyl-d14	97%		14-132%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	SW-1	Date Sampled:	02/22/13
Lab Sample ID:	JB29650-1	Date Received:	02/23/13
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	810 River Avenue, Bronx, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Barium	< 200	200	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Beryllium	< 1.0	1.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Cadmium	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Chromium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Copper	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Lead	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Manganese	1600	15	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Mercury	< 0.20	0.20	ug/l	1	03/06/13	03/06/13	DP	SW846 7470A ¹ SW846 7470A ⁴
Nickel	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Selenium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Silver	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Zinc	< 20	20	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³

(1) Instrument QC Batch: MA30635

(2) Instrument QC Batch: MA30638

(3) Prep QC Batch: MP70189

(4) Prep QC Batch: MP70225

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	SW-1	Date Sampled:	02/22/13
Lab Sample ID:	JB29650-1F	Date Received:	02/23/13
Matrix:	AQ - Surface H2O Filtered	Percent Solids:	n/a
Project:	810 River Avenue, Bronx, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Barium	< 200	200	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Beryllium	< 1.0	1.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Cadmium	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Chromium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Copper	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Lead	< 3.0	3.0	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Manganese	1580	15	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Mercury	< 0.20	0.20	ug/l	1	03/06/13	03/06/13	DP	SW846 7470A ¹ SW846 7470A ⁴
Nickel	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Selenium	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Silver	< 10	10	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³
Zinc	< 20	20	ug/l	1	03/05/13	03/06/13	ND	SW846 6010C ² SW846 3010A ³

(1) Instrument QC Batch: MA30635

(2) Instrument QC Batch: MA30638

(3) Prep QC Batch: MP70189

(4) Prep QC Batch: MP70225

RL = Reporting Limit

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.acculab.com

ACCUTEST LABORATORIES		2235 Route 130, Dayton, NJ 08810 TEL: 732-329-0200 FAX: 732-329-3499/3480 www.accutest.com		FED-EX Tracking # 9022 8390 0766	Bottle Order Control #
				Accutest Quote #	JB29650

Client / Reporting Information		Project Information		Requested Analysis (see TEST CODE sheet)												Matrix Codes															
Company Name: Rox Associates		Project Name: 810 River Ave		SVOCS VOCs METALS DBS. metals												DW - Drinking Water															
Street Address: 201 Shafter St		Street: 810 River Ave														Billing Information (if different from Report to)															
City, State, Zip: Islandia NY 11749		City, State, Zip: Bronx NY														Company Name:															
Project Contact: Cristina Acete Phone #: (609) 926-2544		Project #:														Street Address:															
E-mail:		Client Purchase Order #:														City, State, Zip:															
Sampler(s) Name(s) C. Acete		Project Manager MARTY VITANZA		Attention:														DW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED-Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB-Fiber Blank EB-Equipment Blank RB-Rinse Blank TB-Trip Blank													
Field ID / Point of Collection		MECH/DI Vial #		Date	Time	Samples by	Matrix	# of bottles	HCL	NHCl	HNO3	HCN	INDO	PICL	KMnO4	PERM	DI Water	ENCORE													LAB USE ONLY
-IF SUB 1 TRIP BLANK				2/22/13	1445	CP	N	7	3	2	2			X	X	X	X									E8					
				2/22/13	0900	LAB	↓	2	2					X	X										A24						
																									2197						

Turnaround Time (Business days)				Data Deliverable Information												Comments / Special Instructions	
☒ 5-10 Business Days ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY ☐ other _____				Approved By (Accutest PM) : / Date:				☐ Commercial "A" (Level 1) ☐ Commercial "B" (Level 2) ☐ FULLT1 (Level 3+4) ☐ NJ Reduced ☐ Commercial "C" Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw Data								☐ NYASP Category A ☒ NYASP Category B ☐ State Forms ☐ EDD Format ☐ Other _____	

Emergency & Rush T/A data available VIA Lablink

Sample Custody must be documented below each time samples change possession, including courier delivery.											
Relinquished by Sampler: [Signature]		Date Time: 2/22/13 1715		Received By: FedEx		Date Time: 2/23/13 0930		Received By: [Signature]			
Relinquished by Sampler:		Date Time:		Received By:		Date Time:		Received By:			
Relinquished by:		Date Time:		Received By:		Date Time:		Received By:			
Custody Seal # 950		☒ Intact ☐ Not intact		Preserved where applicable		☐		On Ice ☒		Cooler Temp.	

5.1

JB29650: Chain of Custody

Page 1 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB29650	Client: Roux Associates	Project: 810 River Ave, Bronx, NY
Date / Time Received: 2/23/2013 9:30	Delivery Method: FedEx	Airbill #s: 8022 8390 0766

Cooler Temps (Initial/Adjusted): #1: (3/3): 0

Cooler Security
Y or N
Y or N

1. Custody Seals Present: ☒ ☐	3. COC Present: ☒ ☐
2. Custody Seals Intact: ☒ ☐	4. Smpl Dates/Time OK ☒ ☐

Cooler Temperature
Y or N

1. Temp criteria achieved: ☒ ☐	
2. Cooler temp verification: _____	
3. Cooler media: _____	
4. No. Coolers _____	

Quality Control Preservation
Y
N
N/A

1. Trip Blank present / cooler: ☐ ☒ ☐	
2. Trip Blank listed on COC: ☒ ☐ ☐	
3. Samples preserved properly: ☒ ☐ ☐	
4. VOCs headspace free: ☒ ☐ ☐	

Sample Integrity - Documentation
Y or N

1. Sample labels present on bottles: ☒ ☐	
2. Container labeling complete: ☒ ☐	
3. Sample container label / COC agree: ☒ ☐	

Sample Integrity - Condition
Y or N

1. Sample recvd within HT: ☒ ☐	
2. All containers accounted for: ☐ ☒	
3. Condition of sample: _____	Broken / Leaking

Sample Integrity - Instructions
Y
N
N/A

1. Analysis requested is clear: ☒ ☐	
2. Bottles received for unspecified tests: ☐ ☒	
3. Sufficient volume recvd for analysis: ☐ ☒	
4. Compositing instructions clear: ☐ ☐ ☒	
5. Filtering instructions clear: ☐ ☐ ☒	

Comments -1 1 of 2 SVOC volumes rec'd broken and unsalvagable.

Trip Blank not received

Accutest Job Number: JB29650

CSR: MV

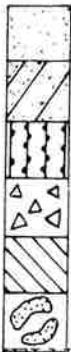
Response Date: 2/25/2013

Response: Client notified.. Proceed as noted. The one bottle remaining for SVOC is enough to do the test.

5.1

5

Soil Mechanics Geotechnical Report



SOIL MECHANICS DRILLING CORP.

3770 MERRICK ROAD • SEAFORD, L. I., NEW YORK 11783
(516) 221-2333 • FAX (516) 221-0254

May 3, 2012

M. MELNICK & CO. INC.
225 Willow Ave.
Bronx, NY 10454
Att: Alex Galdau

Re: 810-824 River Av. @ E. 158 St.
Bronx, NY
Our Job 12-185

Gentlemen:

Forwarded herewith are copies of the boring logs for drilling work completed recently at the referenced site.

The purpose of the subsurface investigation was to determine the nature and extent of the underlying soil deposits and determine the structural engineering characteristics of the soil at the site. Four preliminary borings were drilled on the sidewalk to extract preliminary information with respect to soils in the area and foundation alternates. This report is to be supplemented by additional borings once the existing building is demolished.

Four borings were drilled per NYC Building Code. A 2 in. diameter, 2'0" long split spoon sampler was advanced into the subsurface by the use of an automatic 140 lb. hammer with a 30 in. drop. From the drops of the hammer, blow counts required to advance the split spoon sampler over each 6 in. interval were recorded and are shown on the boring logs. Continuous split spoon samples were taken for the top 6 to 8 ft. and every 5 ft. thereafter.

Our investigation revealed that the areas drilled are blanketed by from 8 to possibly 16 ft. of soil fill, underlain generally by a loose to moderately dense sand formation with varying percentages of silt extending to from 23 ft. to 41 ft. These upper soils are, in turn, underlain by a dense sand formation with varying percentages of decomposed rock extending to sound rock which was encountered at depths of 38 to 48-1/2 ft. below existing grade.

Natural ground water was encountered at depths ranging from 19'3" to 24'9" below existing grade at the time the borings were taken.

We have not been informed of foundation elevations, whether there will be a basement or sub-basement. However, the following recommendations can be made:
a) the natural sand below the fill is capable of supporting foundation loads of 1-1/2 to 2 tons depending on location and elevation. The dense silty sand located below 25 ft. is capable of supporting foundation loads of 4 tons per square foot. The rock is capable of supporting 20 to 40 tons.

SOIL MECHANICS DRILLING CORP.

3770 MERRICK ROAD • SEAFORD, L. I., NEW YORK 11783
(516) 221-2333 • FAX (516) 221-0254

M., Melnick & Co. Inc.
Att: Alex Galdau

Page -2-
May 3, 2012

Several different foundation alternates can be explored: spread footings, mat foundations, or piles throughout, depending on final column loads as ascertained by the Structural Engineer. The final foundation design can be selected once the additional borings have been drilled and the Engineer provided with column and wall loads.

Seismic and liquefaction parameters will also be confirmed.

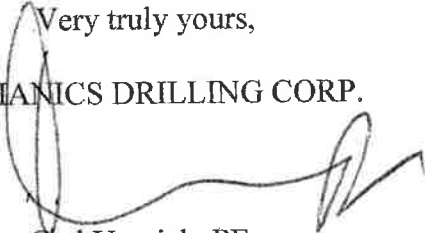
Soil samples recovered during operations will be stored in our lab for a period of 30 days after which they will be destroyed. During this period we will deliver these samples to any prescribed location upon request.

If after you examine the enclosed you have any further questions, please feel free to call and discuss them with us.

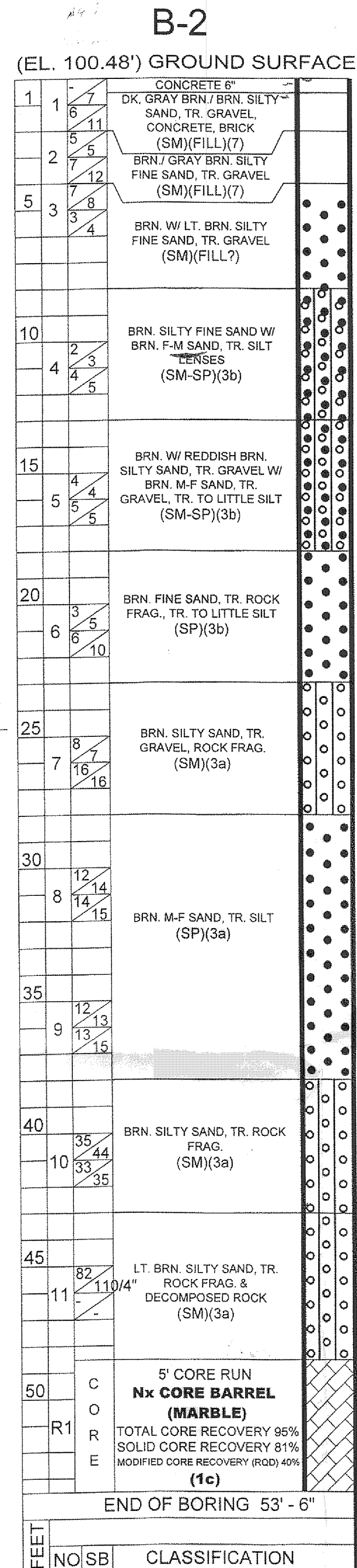
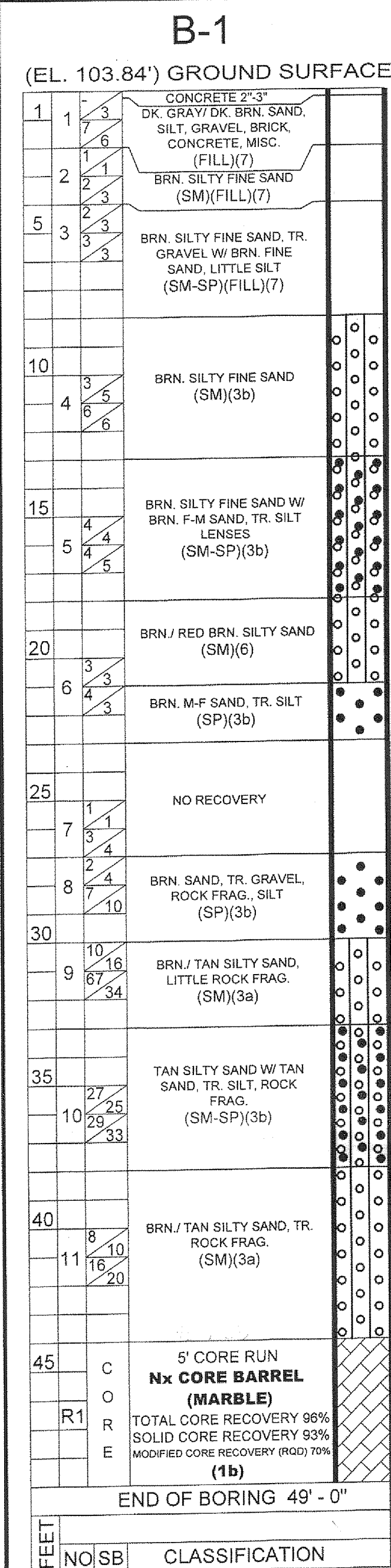
Billing is enclosed.

Very truly yours,

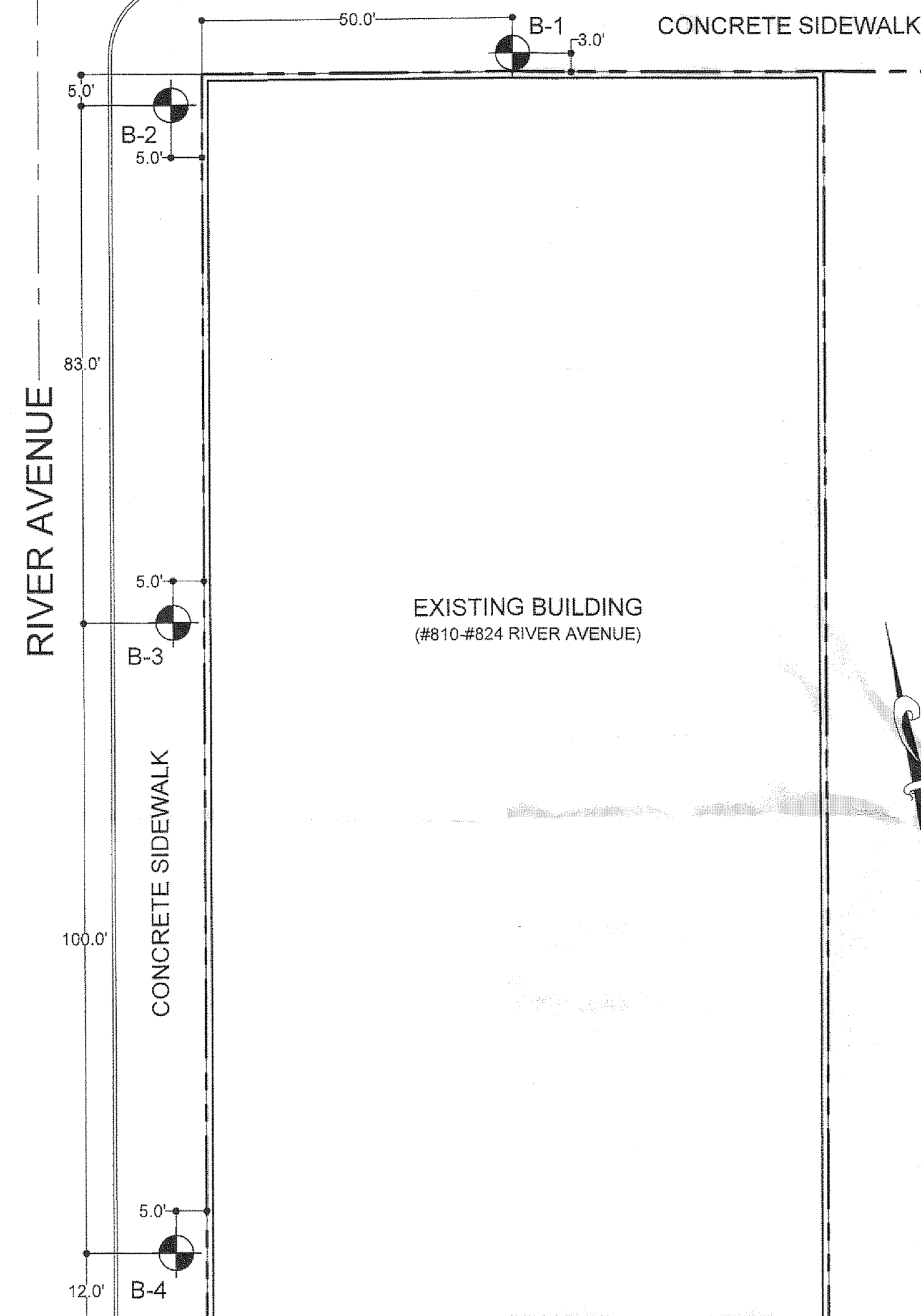
SOIL MECHANICS DRILLING CORP.


Carl Vernick, PE
President

CV/mfw
enc.

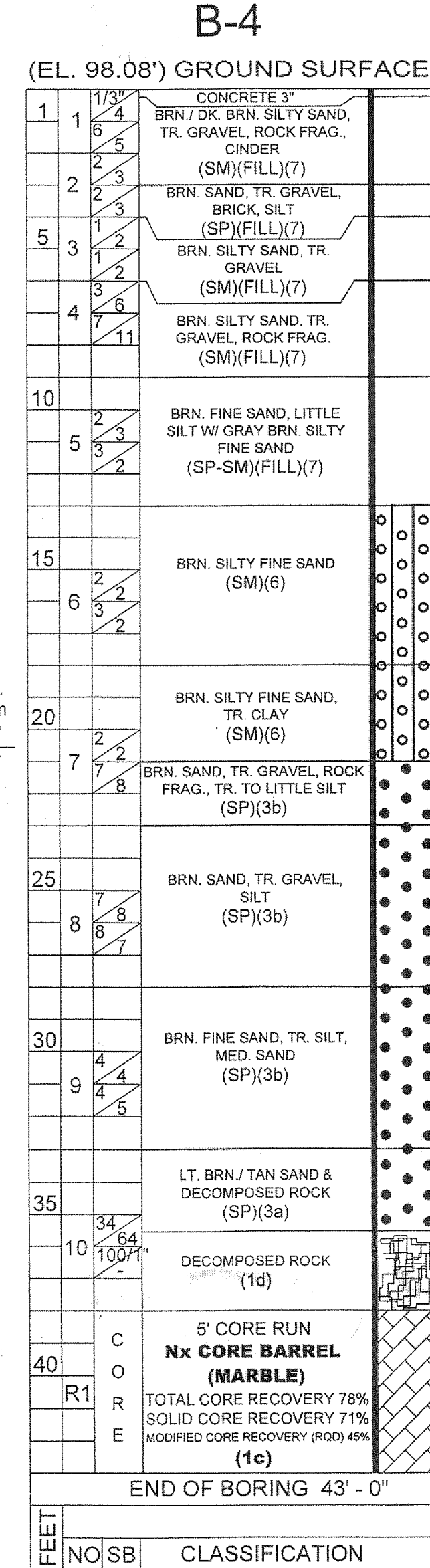
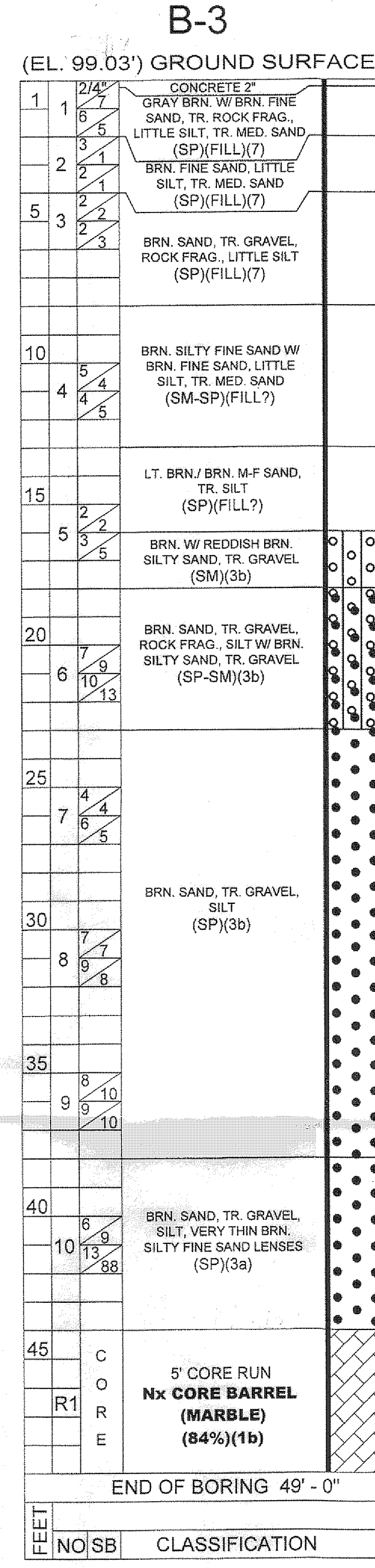


EAST 158th STREET



BORING LOCATION PLAN

SCALE: 1"=20'-0"



UNIFIED SOIL CLASSIFICATION			
SOIL GROUPS		TYPICAL NAMES AND SOIL SYMBOLS	
GW	WELL GRADED GRAVELS, GRAVEL SAND MIXTURES, LITTLE OR NO FINES		
GP	POORLY GRADED GRAVELS OR GRAVEL SAND MIXTURES, LITTLE OR NO FINES		
GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURE		
GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURE		
SW	WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES		
SP	POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES		
SM	SILTY SANDS, SAND - SILT MIXTURES		
SC	CLAYEY SANDS, SAND - CLAY MIXTURES		
ML	INORGANIC SILTS, VERY FINE SANDS, CLAYEY SILTS, SLIGHT PLASTICITY		
CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS SANDY CLAYS, SILTY CLAYS		
OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY		
MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SILTS, ELASTIC SILTS		
CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS		
OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS		
Pt	PEAT AND OTHER HIGHLY ORGANIC SILTS		
ALLOWABLE SOIL BEARING PRESSURES, N.Y.C. BLDG. CODE TABLE 1804.1			
CLASS OF MATERIALS (Notes 1 & 3) *		MAXIMUM ALLOWABLE FOUNDATION PRESSURE (TSF)	MAXIMUM ALLOWABLE FOUNDATION PRESSURE (KPA)
1. BEDROCK (NOTES 2 & 7) *			
1a HARD SOUND ROCK - GNEISS, DIABASE, SCHIST		60	5,746
1b MEDIUM HARD ROCK - MARBLE, SERPENTINE		40	3,830
1c INTERMEDIATE ROCK - SHALE, SANDSTONE		20	1,915
1d SOFT ROCK - WEATHERED ROCK		8	766
2. SANDY GRAVEL & GRAVEL (GW, GP) (NOTES 3, 4, 8, & 9) *			
2a DENSE		10	958
2b MEDIUM		6	575
3. GRANULAR SOILS (GC, GM, SW, SP, SM, & SC)(NOTES 4, 5, 8, & 9) *			
3a DENSE		6	575
3b MEDIUM		3	287
4. CLAYS (SC, CL, & CH)(NOTES 4, 6, 8, & 9) *			
4a HARD		5	479
4b STIFF		3	287
4c MEDIUM		2	192
5. SILTS & SILTY SOILS (ML & MH)(NOTES 4, 8, & 9) *			
5a DENSE		3	287
5b MEDIUM		1.5	144
6. ORGANIC SILTS, ORGANIC CLAYS, PEATS, SOFT CLAYS, LOOSE GRANULAR SOILS, & VARVED SILTS		SEE 1804.2.1 *	SEE 1804.2.1 *
7. CONTROLLED & UNCONTROLLED FILLS		SEE 1804.2.2 OR 1804.2.3 *	SEE 1804.2.2 OR 1804.2.3 *
* REFER TO SECTION 1804.2 OR NOTES FOLLOWING TABLE 1804.1 IN THE N.Y.C. BUILDING CODE FOR ADDITIONAL INFORMATION.			
COMPACTION RELATED TO SPOON BLOWS PER FOOT			
SAND & SILT		CLAY	
LOOSE	LESS THAN 10	SOFT	LESS THAN 4
MEDIUM	10 TO 30	MEDIUM	4 TO 8
DENSE	GREATER THAN 30	STIFF	GREATER THAN 8 TO 30
		HARD	GREATER THAN 30
" N "		STANDARD PENETRATION TEST - ASTM D 1586 (2" SPOON, 140lb HAMMER, 30" FALL)	
 N=17 BLOWS PER FOOT		SPOON BLOW COUNT IS GENERALLY SHOWN IN 6" INCREMENTS FOR 2' DRIVE TO OBTAIN BLOWS PER FOOT (N) USE THE 2ND & 3RD 6" INCREMENT	
		ROTARY CASING	EXTRA HEAVY CASING
SIZES, INCHES		2.5	2.0
HAMMER WEIGHT, POUNDS			140
HAMMER FALL, INCHES			30
CB - CASING BLOWSPER 1 FOOT DRIVE SB - SPOON BLOWS PER 6 INCH DRIVE P - PUSHED BY WEIGHT OF HAMMER WOR - WEIGHT OF ROD		UD - UNDISTURBED SOIL SAMPLE NO - SAMPLE NUMBER FEET - DEPTH FROM GND. SUR. NOTED AT EACH 5' WOH - WEIGHT OF HAMMER (INCLUDES ROD)	
THE LIABILITY OF SOIL MECHANICS DRILLING CORP., ITS OFFICERS OR EMPLOYEES, FOR ERRORS, OMISSIONS OR NEGLIGENCE RESULTING IN PERSONAL INJURIES, PROPERTY DAMAGE OR ANY CONSEQUENTIAL DAMAGES, IS LIMITED TO THE AMOUNT OF THE FEE PAID FOR THIS REPORT. THE RETENTION OR USE OF ANY PART OF THIS REPORT WILL CONSTITUTE AN ACCEPTANCE OF THIS LIMITED LIABILITY. IF THIS IS UNACCEPTABLE, THE CLIENT MUST NOTIFY SOIL MECHANICS DRILLING CORP. IN WRITING BY CERTIFIED MAIL, WITHIN SEVEN DAYS FROM THE DATE OF RECEIPT. THE FEE CHARGED FOR THIS REPORT IS BASED ON THIS LIMITATION OF LIABILITY WHICH IS THE ESSENCE OF THIS AGREEMENT. IF THE CLIENT WANTS A HIGHER LIMITATION OF LIABILITY, SOIL MECHANICS DRILLING CORP. WILL NEGOTIATE ONE, BASED UPON A HIGHER FEE BEING CHARGED FOR THE ADDITIONAL ASSUMPTION OF LIABILITY. SOIL MECHANICS DRILLING CORP., ITS OFFICERS OR EMPLOYEES, HAVE NO LIABILITY OR RESPONSIBILITY TO PERSONS OTHER THAN THE CLIENT FOR WHOM THIS REPORT WAS PREPARED. ANYONE, OTHER THAN OUR CLIENT, RELIES ON THIS REPORT AT THEIR OWN RISK.			

NOTES:

- SOIL DESCRIPTIONS ARE BY VISUAL EXAMINATION OF SOIL SAMPLES RECOVERED DURING DRILLING OPERATIONS.
- SOIL DESCRIPTIONS ARE IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM.
- GROUND WATER WAS MEASURED INSIDE THE DRILL CASING AT THE COMPLETION OF EACH BOREHOLE.
- SOIL STRATIFICATIONS ARE ACCURATE TO WITHIN TWO FEET VERTICALLY.
- ELEVATIONS WERE REFERENCED TO B.M. - AT CENTERLINE OF ROADWAYS, AS SHOWN. ASSUMED ELEVATION AT 100.0'.
- SOIL SAMPLES WERE OBTAINED USING A CENTRAL MINE EQUIPMENT (CME) AUTOMATIC TRIP HAMMER.
- BORINGS DRILLED ARE IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE REQUIREMENTS.

SOIL MECHANICS DRILLING CORP. subsoil investigations 3770 MERRICK ROAD * SEAFORD, NEW YORK 11783 * 516 - 221-2333 #810-#824 RIVER AVENUE - SUBSURFACE INVESTIGATION - BRONX, NEW YORK		PROJECT #810-#824 RIVER AVENUE, BRONX, NEW YORK	
		BORING PLAN (GROUND SURFACE)	
VERTICAL BORING SCALE: 1 1/4" = 1'-0" DATES OF BORING APRIL 11th, 13th, & 20th, 2012		DRAWING DATE APRIL 30, 2012 OWN: JMR CHK BY: VN	
DRAWING NUMBER 12R185-4 SHEET 1 OF 1		SEAL & SIGNATURE: DATE: APRIL 30, 2012 PROJECT NO.: 12R185-4 DRAWING BY: JMR CHK BY: VN DWG NO.: B-001.00	