85-89 4TH AVENUE

BROOKLYN, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: 13CVCP133K

Prepared for:

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MAY 2013

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LIST OF ACRONYMS

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

CERTIFICATION

I, Kristen DiScenza, 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 Redevelopment Project located at 85-89 4th Avenue, Brooklyn, NY, (NYC VCP Site No. 13CVCP133K). 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.

Kristen DiScenza	5/14/13	
Qualified Environmental Professional	Date	Signature

EXECUTIVE SUMMARY

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

Site Location and Current Usage

The Site is located at 85-89 4th Avenue in the Park Slope section of Brooklyn, New York, and is identified as Block 934 and Lots 5, 6, 7, 10 and 12 on the New York City Tax Map. Figure 1 shows the Site location. The Site is a combined total of 13,859-square feet and is bounded by mixed residential and commercial properties to the north, residential buildings to the south, and mixed residential, commercial and industrial buildings to the east and west. A map of the Site boundary is shown in Figure 2. The four adjacent lots comprising the subject site are located on the southeast corner of the intersection of 4th Avenue and St. Marks Place.

- 79 4th Avenue (Block 934, Lot 10) - the lot consists of 20 feet of frontage on 4th Avenue and is approximately 82.17 feet deep for a total of approximately 1,643 square feet (0.037 acres). The lot is developed with a 4-story brick mixed commercial and residential building.
- 85 4th Avenue (Block 934, Lot 7) - The lot consists of 60 feet of frontage on 4th Avenue and is approximately 82.17 feet deep for a total of approximately 4,930.2 square feet (0.11 acres). The lot is developed with a 2-story brick building utilized for a window, door and lumber business.
- 87 4th Avenue (Block 934, lot 6) - The lot has 20 feet of frontage on 4th Avenue, and is approximately 82.17 feet deep for a total of approximately 1,643 square feet (0.037 acres). The lot is developed with a 4-story brick mixed commercial and residential use building.
- 89 4th Avenue (Block 934, Lot 5) - The lot has approximately 20 feet of frontage on 4th Avenue and is approximately 82.17 feet deep for a total of approximately 1,643 square

feet (0.037 acres). The lot is developed with a 4-story brick mixed use (commercial and residential) building.

- 80 St. Marks Place (Block 934, lot 12) - The lot has 40 feet of frontage on St. Marks Place and is approximately 100 feet deep for a total of approximately 4,000 square feet (0.091 acres). The lot is developed with a 1-story brick building utilized for a commercial lumber and building supply business.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a new 12-story mixed use building with a cellar. Layout of the proposed site development is presented in Figure 3. The current zoning designation is R-8A residential with a C2-4 commercial overlay. The proposed use is consistent with existing zoning for the property.

The 12-story mixed use building and cellar will occupy the entire combined lot. The cellar will be used for parking, utility rooms and storage areas. Access to the basement is provided via stairwell and elevator on the north portion of the property and a vehicle access ramp on the southern portion of the property. The first floor will be used for retail space, the residential lobby, community facility and additional parking. The second through twelfth floors will all be residential units, a total of 104 apartments.

The top of the cellar floor will be approximately 9 ft below sidewalk level, requiring excavation of the entire footprint of the combined lots to approximately 10 feet below grade, with additional excavation of an area 5 ft by 10ft for the elevator pit.

Summary of Past Uses of Site and Areas of Concern

Prior to 1887, the property was developed with multiple three-story residential row houses (with basements) that occupied the front half of the lot. A rear empty yard was located behind each of the row houses. According to Sanborn maps and DOB records, the residential row houses at 81 and 83 4th Avenues were demolished in 1943. Building permits were issues for a new building in 1953 and a Certificate of Occupancy was issued for the new building in 1958. The 1965 Sanborn Map shows the two vacant lots, as well as 85 4th Avenue, as redeveloped with a 2-story

concrete block building, utilized for lumber storage. City directory listings available from the 1960's through current state the property was utilized primarily by Modern Way Lumber Co.

In 1971, the two residential row houses on St. Marks Place (80 and 82 St Marks Place) were torn down and the property was redeveloped with the 2-story concrete block warehouse that currently occupies the site. Lots 12 and 13 were joined at that time to form the current lot 12.

The two residential buildings located at 87 and 89 4th Avenue were built prior to the 1880's, and historic use of the buildings has been primarily residential. However, City Directory listings for the two properties have notes several real estate companies and attorneys offices. The first floor of 87 4th Avenue has also been used as a tire repair facility.

The AOCs identified for this Site include:

- Historic fill layer is present at the Site from grade to depths as great as 10 feet below grade; and
- An E-designation for Hazmat on Lot 6

Summary of the Work Performed under the Remedial Investigation

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed seven soil borings across the entire project Site, and collected eleven soil samples and two duplicate soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed two groundwater monitoring wells throughout the Site to establish groundwater flow and collected three groundwater samples plus one duplicate groundwater sample from one existing monitoring well and the two temporary monitoring wells for chemical analysis to evaluate groundwater quality; and
4. Installed two soil vapor probes and three sub-slab vapor points throughout the Site and collected four soil gas samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property ranges from approximately 65 feet to 70 feet.

2. Depth to groundwater is approximately 10 feet at the Site.
3. Regional groundwater flow is generally from southeast to northwest.
4. Depth to bedrock is at the Site is greater than 100 feet.
5. The stratigraphy of the Site, from the surface down, consists of historic fill to depths as great as 6 feet below grade underlain by a native brown sandy clay.
6. Soil/fill samples collected during the RI showed no PCBs or VOCs at detectable concentrations, with the exception of napthalene which was detected at a concentration well below Unrestricted Use SCOs in one of the six shallow soil samples. No SVOCs were detected in any of the deep soil samples obtained. Several SVOCs were detected in shallow soil samples above Restricted Residential SCOs. These SVOCs included benzo(a)anthracene (maximum of 53,000 µg/kg), benzo(a)pyrene (maximum of 43,000 µg/kg), benzo(b)-fluoranthene (maximum of 56,000 µg/kg), benzo(k)fluoranthene (maximum of 11,000 µg/kg), chrysene (maximum of 56,000 µg/kg), dibenz-(a,h)anthracene (maximum of 2,200 µg/kg), fluoranthene (maximum of 130,000 µg/kg), indeno(1,2,3-cd)pyrene (maximum of 20,000 µg/kg), phenanthrene (maximum of 160,000 µg/kg), and pyrene (maximum of 110,000 µg/kg). Metals including barium, copper, lead, mercury, nickel and zinc exceeded Unrestricted Use SCOs in both the shallow and deep soil samples, and of these metals, barium (maximum of 2,450 mg/kg), lead (maximum of 5,300 mg/kg), and zinc (maximum of 2,290 mg/kg), were detected above Restricted Residential SCOs one of the six of the shallow soil samples (B9). The pesticides 4,4'-DDT and dieldrin were detected in one of the six shallow soil samples, but only 4,4'-DDT was detected above Unrestricted Use SCOs at a concentration of 4.7 µg/kg. Overall, the findings were consistent with observations for other historical fill sites except for a SVOC and metal hotspot area around soil boring location B9.
7. Groundwater samples collected during the RI showed no pesticides at detectable concentrations. One PCB, PCB-1254, was detected above GQS in one well at a concentration of 11ppb. No other PCBs were detected within the three groundwater samples. The VOC, napthalene (1.1 ppb) was detected in one of the three groundwater samples submitted for VOC analysis, but the concentration was below GQS. No other VOCs were detected within the three groundwater samples. SVOCs including benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and

indeno(1,2,3-cd)pyrene were detected in groundwater samples above GQS. The dissolved concentration of the metals beryllium, iron, magnesium, manganese and sodium were detected above their respective GQS in all three samples obtained.

8. Soil vapor samples collected during the RI showed petroleum and chlorinated VOCs at generally low concentrations. BTEX concentrations were generally low at a maximum of 32.48 µg/m^3. Carbon tetrachloride was identified in three of the four soil vapor samples at a maximum concentration of 0.503 µg/m^3. PCE was identified in two of the four soil vapor samples at a maximum concentration of 17.5 µg/m^3, and TCE was detected in only one soil vapor sample at a concentration of 0.43 µg/m^3. The carbon tetrachloride, PCE and TCE concentrations detected within the soil gas samples are below the monitoring level ranges established within the State DOH soil vapor guidance matrix.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Hershko Construction has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.272-acre multi-lot Site located at 85-89 4th Avenue in Park Slope section of Brooklyn, New York. Mixed use is being contemplated for this property. The RI work was performed between February 19, 2013, and March 3, 2013. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 85-89 4th Avenue in the Park Slope section of Brooklyn, New York, and is identified as Block 934 and Lots 5, 6, 7, and 12, on the New York City Tax Map. Figure 1 shows the Site location. The Site is a combined total of 13,859-square feet and is bounded by mixed residential and commercial properties to the north, residential buildings to the south, and mixed residential, commercial and industrial buildings to the east and west. A map of the Site boundary is shown in Figure 2. The four adjacent lots comprising the Site are located on the southeast corner of the intersection of 4th Avenue and St. Marks Place.

- 79 4th Avenue (Block 934, Lot 10) - The lot consists of 20 feet of frontage on 4th Avenue and is approximately 82.17 feet deep for a total of approximately 1,643 square feet (0.037 acres). The lot is developed with a 4-story brick mixed use (commercial and residential) building.
- 85 4th Avenue (Block 934, Lot 7) - The lot consists of 60 feet of frontage on 4th Avenue and is approximately 82.17 feet deep for a total of approximately 4,930.2 square feet (0.11 acres). The lot is developed with a 2-story brick building utilized for a window, door and lumber business.
- 87 4th Avenue (Block 934, lot 6) - The lot has 20 feet of frontage on 4th Avenue, and is approximately 82.17 feet deep for a total of approximately 1,643 square feet (0.037 acres). The lot is developed with a 4-story brick mixed commercial and residential use.

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- 80 St. Marks Place (Block 934, lot 12) - The lot has 40 feet of frontage on St. Marks Place and is approximately 100 feet deep for a total of approximately 4,000 square feet (0.091 acres). The lot is developed with a 1-story brick building utilized for a commercial lumber and building supply business.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a new 12-story mixed use building with a cellar. Layout of the proposed site development is presented in Figure 3. The current zoning designation is R-8A residential with a C2-4 commercial overlay. The proposed use is consistent with existing zoning for the property.

The 12-story mixed use building and cellar will occupy the entire Site. The cellar will be used for parking, utility rooms and storage areas. Access to the basement is provided via stairwell and elevator on the north portion of the property and a vehicle access ramp on the southern portion of the property. The first floor will be used for retail space, the residential lobby, community facility and additional parking. The second through twelfth floors will all be residential units, a total of 104 apartments..

The top of the cellar floor will be approximately 9 ft below sidewalk level, requiring excavation of the entire footprint of the combined lots to approximately 10 feet below grade, with additional excavation of an area 5 ft by 10 ft for the elevator pit.

1.3 Description of Surrounding Property

The area surrounding the Site consists of a mix of residential and commercial properties. Figure 4 shows the surrounding land usage of the adjacent properties listed below as well as additional properties located up to 500 feet away from the Site. No hospitals, schools or daycare facilities are located within a 250 ft radius of the Site.

Surrounding Property Usage

Direction	Property Description
North – Adjacent properties	Block 932, Lot 1 (77 4th Avenue) - Developed with a 4-story mixed residential and commercial building. Block 932, Lot 78 (77 St. Marks Place) - Developed with a 3-story residential multi-family walk-up building. Block 932, Lot 77 (79 St. Marks Place) - Developed with a 3-story residential multi-family walk-up building. Block 932, Lot 7503 (81 St. Marks Place) - Developed with a 4-story residential multi-family walk-up building.
South – Adjacent properties	Block 934, Lot 4 (91 4th Avenue) – Developed with a 4-story brick residential walk-up building. Block 934, Lot 73 (609 Warren Street) - Developed with a 3-story brick residential multi-family walk-up building.
East – Adjacent properties	Block 934, Lot 14 (84 St. Marks Place) – Developed with a 1-story industrial/manufacturing building currently utilized for lumber and building materials. Block 934, Lot 74 (607 Warren St) - Developed with a 3-story brick residential multi-family walk-up building.
West – Adjacent properties	Block 395, Lot 32 (86 4th Avenue and 60-66 St. Marks Place) – Developed with a 4-story mixed residential and commercial building. Block 395, Lot 33 (88 4th Avenue) - Developed with a 3-story mixed residential and commercial building. Block 395 Lot 35 (90 4th Avenue) - Undeveloped 1,573 square foot parking lot.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

Prior to 1887, the property was developed with multiple three-story residential row houses (with basements) that occupied the front half of the lot. A rear empty yard was located behind each of the row houses. According to Sanborn maps and DOB records, the residential row houses at 81 and 83 4th Avenues were demolished in 1943. Building permits were issues for a new building in 1953 and a Certificate of Occupancy was issued for the new building in 1958. The 1965 Sanborn Map shows the two vacant lots, as well as 85 4th Avenue, as redeveloped with a 2-story concrete block building, utilized for lumber storage. City Directory listings available from the 1960's through current, state the property was utilized primarily by Modern Way Lumber Co.

In 1971, the two residential row houses on St. Marks Place (80 and 82 St Marks Place) were torn down and the property was redeveloped with the 2-story concrete block warehouse that currently occupies the Site. Lots 12 and 13 were joined at that time to form the current Lot 12.

The two residential buildings located at 87 and 89 4th Avenue were built prior to the 1880's, and historic use of the buildings has been primarily residential. However, City Directory listings for the two properties have noted several real estate companies and attorneys offices. The first floor of 87 4th Avenue has also been used as a tire repair facility.

2.2 Previous Investigations

The following environmental reports were developed for the Site:

- Phase I Environmental Site Assessment Report, (EBC, April, 2011)
- Phase II Subsurface Investigation Report, (EBC, July, 2011)

Digital (PDF) copies of the above referenced reports were previously submitted to OER and are available in the project file.

2.3 Site Inspection

Mr. Kevin Brussee of EBC performed the site inspection in April 2011, beginning at approximately 8:00 am. The reconnaissance included a visual inspection of the Site, the sidewalk immediately in front of the Site, and the exterior of adjacent properties. At the time of the

inspection, the Site consisted of a four separate lots, each developed with one building. A description of each building is provided below.

- 85 4th Avenue - Developed with a 2-story brick building, Entrance to the building is provided from 4th Avenue via a steel roll up gate and 3 steel doors. Signage on the building indicated that the property is used for a window and door business and lumber business.
- 87 4th Avenue - Developed with a 4-story brick building. Entrance to the building is provided from 4th Avenue by a wood door. Signage on the front of the building indicates that the first floor of the building was recently utilized as a tire repair shop. The second, third and fourth floors of the building are utilized as apartments.
- 89 4th Avenue - Developed with a 4-story brick building. Entrance to the building is provided from 4th Avenue via a steel roll up gate and 3 steel doors. Signage on the building indicates that the second floor is or was recently used as office space by an attorney. The third and fourth floors of the building are utilized as apartments.
- 80 St Marks Place - Developed with a 1-story brick building. Entrance to the building is provided from St Marks Place via 4 steel roll up gates and 3 steel doors. Signage on the building indicates that the property was recently used by a lumber and building supply company.

2.4 Areas of Concern

The AOCs identified for this Site include:

1. Historic fill layer is present at the Site from grade to depths as great as 10 feet below grade.
2. An E-designation for Hazmat on Lot 6

A copy of the Phase 1 Report is presented in Attachment A.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Kristen DiScenza.

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.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

Hersko Construction performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed seven soil borings across the entire project Site, and collected eleven soil samples and two duplicate soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed two groundwater monitoring wells throughout the Site to establish groundwater flow and collected three groundwater samples plus one duplicate groundwater sample from one existing monitoring well and the two temporary monitoring wells for chemical analysis to evaluate groundwater quality; and
4. Installed two soil vapor probes and three sub-slab vapor points throughout the Site and collected four soil gas samples for chemical analysis.

4.1 Geophysical Investigation

A geophysical investigation was not performed as a part of this assessment.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

On February 19, 2013, a total of four soil borings (B7 and B9 through B11) were performed across the Site. The four soil boring locations were chosen to gain representative soil and groundwater quality information across the areas of the Site accessible with a drill rig. Soil samples were collected continuously from grade to a final depth of 11 feet below grade, using a four-foot steel macro-core sampler with acetate liners and Geoprobe direct-push equipment. Soil recovered from each of the soil borings was field screened for the presence of VOCs with a photo-ionization detector (PID) and visually inspected for evidence of contamination. No PID readings above background concentrations were obtained from any of the soil borings.

One soil sample was retained from each soil boring representing the interval 0 to 2 feet below grade, with the exception of boring B10 which was sampled from 2 to 4 feet below grade due to the presence of a two foot thick layer of concrete at grade, and one soil sample was retained from

each soil boring representing the interval 9 to 11 feet below grade. Soil boring details are provided in Table 1.

On February 28, 2013, three additional soil borings (B6, B8, and B12) were performed within the basement slab of three on-Site buildings. Each of the three soil borings were performed utilizing a 2-foot long AMS Dual-Purpose Soil Recovery Probe with disposable plastic liners and a slap hammer. At each sampling location, the soil recovery probe was driven to a depth of approximately 2 feet below grade and a sample was retained representing the interval 0 to 2 feet below grade. Soil recovered from each of the soil borings was field screened for the presence of VOCs with a photo-ionization detector (PID) and visually inspected for evidence of contamination. No PID readings above background concentrations were obtained from any of the soil borings.

Boring logs were prepared by a Qualified Environmental Professional and are attached in Attachment B. A map showing the location of the soil borings and monitoring wells is shown in Figure 5.

Groundwater Monitoring Well Construction

A temporary 1-inch diameter PVC monitoring well with 10 feet of 0.010 slot screen was installed at boring locations B9 and B10 (labeled as monitoring wells MW2 and MW3), set to intersect the water table. Since groundwater was encountered at approximately 10 feet below grade, monitoring wells were installed to a depth of 17 feet. Monitoring well sampling details are provided in Table 1. Monitoring well locations are shown in Figure 5.

Water Level Measurement

Approximate groundwater level measurements were collected using a Solinst oil/water interface meter to ensure the surface of the water table was within the screened section of the monitoring well. No free product was observed within the three monitoring wells. Water level data is included in Table 1. A monitoring well survey could not be completed due to the destruction of MW2.

4.3 Sample Collection and Chemical Analysis

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

Soil Sampling

Eleven soil samples and two duplicate 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 2 through 5. Figure 5 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

The thirteen soil samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted for analysis to Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301). All soil samples were analyzed for the presence of volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082 and target analyte list (TAL) metals.

Groundwater Sampling

Three groundwater samples and one duplicate groundwater sample were collected for chemical analysis during this RI. Groundwater samples were collected by installing a one-inch diameter PVC well, approximately 7-feet below the water table interface (set at approximately 17 feet below grade). A groundwater sample was then collected from the two temporary monitoring wells and the one existing monitoring well utilizing dedicated polyethylene tubing and a peristaltic pump. Groundwater samples were collected in pre-cleaned, laboratory supplied

glassware, stored in a cooler with ice and submitted to Phoenix for analysis of VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082 and TAL metals. Groundwater sample collection data is reported in Tables 6 through 10. Sampling logs with information on purging and sampling of groundwater monitor wells is included in Attachment C. Figure 5 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

Two soil vapor probes, SG2 and SG3, and three sub-slab soil vapor implants, SG1, SG4, and SG5, were installed and a total of four soil vapor samples were collected for chemical analysis during this RI. A sample from soil gas probe SG3 could not be obtained due to a faulty regulator. Soil vapor sampling locations are shown in Figure 5. Soil vapor sample collection data is reported in Table 10. Soil vapor sampling logs are included in Attachment D. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

The two soil vapor implants, SG2 and SG3, were installed using Geoprobe™ equipment and tooling. The approximate location of each of the soil vapor implants is shown on Figure 5. The vapor implants that were installed were the Geoprobe™ Model AT86 series, which are constructed of a 6-inch length of double woven stainless steel wire. The implants were installed to a depth of eleven feet below grade at both locations. Each implant was attached to ¼ inch polyethylene tubing which extended approximately 18 inches beyond that needed to reach the surface. The tubing was capped with a ¼ inch plastic end to prevent the infiltration of foreign particles into the tube. Coarse sand was placed around the vapor implant to a height of approximately 1 foot above the bottom of the implant. The remainder of the borehole was sealed with a bentonite slurry to the surface.

The three sub-slab soil vapor implants were installed by drilling a 1/2 inch hole through the basement concrete slab with a handheld drill and then inserting 1/4 inch polyethylene tubing to no more than 2 inches below the base of the slab. The tubing was then sealed at the surface with hydrated granular bentonite.

Soil vapor sampling for all implants was conducted on March 3,2013. Prior to sampling, each sampling location was tested to ensure a proper surface seal had been obtained. In accordance with NYSDOH guidance (NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005), a tracer gas (helium) was used as a quality assurance/quality control device to verify the integrity of the sampling point seal prior to collecting the samples. Prior to testing and collecting samples, the surface immediately surrounding the polyethylene tubing of the vapor implant was sealed using a 1 foot ft by 1 ft square sheet of 2 mil HDPE plastic firmly adhered to a wetted layer of granular bentonite. The seal was then tested by enriching the air space above the seal with a tracer gas (helium) while continuously monitoring air drawn from the implant with a helium detector (Dielectric Model MGD-2002, Multi-Gas Detector) for a minimum of 15 minutes. The tracer gas test procedure was employed at all five soil vapor sampling locations. No surface seal leaks were observed at any of the locations.

Following verification that the surface seal was tight, one to three volumes (i.e., the volume of the sample probe and tube) of air was purged from the implant using a calibrated vacuum pump. After purging, a 6-liter Summa® canister, fitted with a 2-hour flow regulator, was attached to the surface tube of each of the five vapor implants. Prior to initiating sample collection, sample identification, canister number, date and start time were recorded on tags attached to each canister and in a bound field note book. Sampling then proceeded by fully opening the flow control valve on each canister in turn. Immediately after opening the flow control valve on a canister, the initial vacuum (inches of mercury) was recorded in the field book and on the sample tag. When the vacuum level in the canister was between 5 and 8 inches of mercury (approx 2 hours), the flow controller valve was closed, and the final vacuum recorded in the field notebook and on the sample tag.

The soil gas sample identification, date, start time, start vacuum, end time and end vacuum were recorded on tags attached to each canister and on a sample log sheet (Attachment E). Samples were submitted to Phoenix for laboratory analysis of VOCs EPA Method TO-15.

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 Phoenix Environmental Laboratories
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and was Phoenix Environmental Laboratories
Chemical Analytical Methods	Soil 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); 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 2 through 11, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Attachment E.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

Subsurface soil at the Site consisted of historic fill, which was primarily comprised of brick, concrete, wood and other debris in a brown silty-sand matrix. The layer of historic fill extended to a depths as great as 6 feet below grade. Native soil consisting of a brown sandy clay is present below the historic fill layer.

Hydrogeology

A table of water level data for all monitoring wells is included in Table 1. The average depth to groundwater is 10 feet. Regional 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 2 through 5. Results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs) as presented in 6NYCRR Part 375-6.8 and CP51. A copy of the laboratory report is provided in Attachment E. Figure 6 shows the location and posts the values for soil/fill that exceeds UUSCOs and RRSCOs.

Soil/fill samples collected during the RI showed no PCBs or VOCs at detectable concentrations, with the exception of napthalene which was detected at a concentration well below Unrestricted Use SCOs in one of the six shallow soil samples. No SVOCs were detected in any of the deep soil samples obtained. Several SVOCs were detected in shallow soil samples above Restricted Residential SCOs. These SVOCs included benzo(a)anthracene (maximum of 53,000 µg/kg), benzo(a)pyrene (maximum of 43,000 µg/kg), benzo(b)-fluoranthene (maximum of 56,000 µg/kg), benzo(k)fluoranthene (maximum of 11,000 µg/kg), chrysene (maximum of 56,000 µg/kg), dibenz-(a,h)anthracene (maximum of 2,200 µg/kg), fluoranthene (maximum of 130,000 µg/kg), indeno(1,2,3-cd)pyrene (maximum of 20,000 µg/kg), phenanthrene (maximum of 160,000 µg/kg), and pyrene (maximum of 110,000 µg/kg). Metals including barium, copper, lead, mercury, nickel and zinc exceeded Unrestricted Use SCOs in both the shallow and deep

soil samples, and of these metals, barium (maximum of 2,450 mg/kg), lead (maximum of 5,300 mg/kg), and zinc (maximum of 2,290 mg/kg), were detected above Restricted Residential SCOs one of the six of the shallow soil samples (B9). The pesticides 4,4'-DDT and dieldrin were detected in one of the six shallow soil samples, but only 4,4'-DDT was detected above Unrestricted Use SCOs at a concentration of 4.7 µg/kg. Overall, the findings were consistent with observations for other historical fill sites except for a SVOC and metal hotspot area around soil boring location B9.

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 6 through 10. Figure 7 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

No pesticides were reported at detectable concentrations at the Site. One PCB, PCB-1254, was detected above GQS in one well at a concentration of 11ppb. No other PCBs were detected within the three groundwater samples. The VOC, napthalene (1.1 ppb) was detected in one of the three groundwater samples submitted for VOC analysis, but the concentration was below GQS. No other VOCs were detected within the three groundwater samples. SVOCs including benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene were detected in groundwater samples above GQS. The dissolved concentration of the metals beryllium, iron, magnesium, manganese and sodium were detected above their respective GQS in all three samples obtained.

5.4 Soil Vapor Chemistry

Soil vapor samples collected during the RI showed petroleum and chlorinated VOCs at generally low concentrations. BTEX concentrations were generally low at a maximum of 32.48 µg/m^3. Carbon tetrachloride was identified in three of the four soil vapor samples at a maximum concentration of 0.503 µg/m^3. PCE was identified in two of the four soil vapor samples at a maximum concentration of 17.5 µg/m^3, and TCE was detected in only one soil vapor sample at a concentration of 0.43 µg/m^3. The carbon tetrachloride, PCE and TCE concentrations detected

within the soil gas samples are below the monitoring level ranges established within the State DOH soil vapor guidance matrix.

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 11.

Figure 8 shows the location and posts the values for soil vapor samples with detected concentrations.

5.5 Prior Activity

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

5.6 Impediments to Remedial Action

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

TABLES

Table 1
85-89 4th, Brooklyn, NY
Soil Boring / Well Information

SAMPLE ID	Date	Total Depth (ft)	Diameter (in)	Construction Materials	Screen Length (ft)	DTW (ft)
B6	2/28/2013	2	2	AMS Samplers	-	-
B7	2/19/2013	11	2	Geoprobe	-	-
B8	2/28/2013	2	2	AMS Samplers	-	-
B9	2/19/2013	11	2	Geoprobe	-	-
B10	2/19/2013	11	2	Geoprobe	-	-
B11	2/19/2013	11	2	Geoprobe	-	-
B12	2/28/2013	2	2	AMS Samplers	-	-
MW1	3/3/2013	NA	NA	NA	NA	10.17
MW2	3/3/2013	17	1	PVC	10.00	10.83
MW3	3/3/2013	17	1	PVC	10.00	9.94

TABLE 2
85-89 4th Ave, Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B6				B7				B8		B9				B10				B11								B12	
			(0-2') µg/Kg		Duplicate µg/Kg		(0-2') µg/Kg		(9-11') µg/Kg		(0-2') µg/Kg		(0-2') µg/Kg		(9-11') µg/Kg		(2-4') µg/Kg		(9-11') µg/Kg		(0-2') µg/Kg		(9-11') µg/Kg		Duplicate (9-11') µg/Kg		(0-2') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
1,1,1-Trichloroethane	680	100,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
1,1,2,2-Tetrachloroethane			ND	2.7	ND	3.2	ND	3.3	ND	2.3	ND	2.9	ND	3.9	ND	2.4	ND	2.5	ND	3.1	ND	3	ND	290	ND	2.9	ND	3.6
1,1,2-Trichloroethane			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
1,1-Dichloroethane	270	26,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
1,1-Dichloroethene	330	100,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
1,1-Dichloropropene			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
1,2,3-Trichlorobenzene			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
1,2,3-Trichloropropane			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
1,2,4-Trichlorobenzene			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
1,2,4-Trimethylbenzene	3,600	52,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
1,2-Dibromo-3-chloropropane			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
1,2-Dichlorobenzene	1,100	100,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
1,2-Dichloroethane	20	3,100	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
1,2-Dichloropropane			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
1,3,5-Trimethylbenzene	8,400	52,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
1,3-Dichlorobenzene	2,400	4,900	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
1,3-Dichloropropane			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
1,4-Dichlorobenzene	1,800	13,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
2,2-Dichloropropane			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
2-Chlorotoluene			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
2-Hexanone (Methyl Butyl Ketone)			ND	22	ND	27	ND	28	ND	19	ND	24	ND	33	ND	20	ND	21	ND	26	ND	25	ND	1500	ND	24	ND	30
2-Isopropyltoluene			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
4-Chlorotoluene			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
4-Methyl-2-Pentanone			ND	22	ND	27	ND	28	ND	19	ND	24	ND	33	ND	20	ND	21	ND	26	ND	25	ND	1500	ND	24	ND	30
Acetone	50	100,000	ND	44	ND	27	ND	56	ND	77	ND	48	ND	130	ND	79	ND	84	ND	100	ND	100	ND	5800	ND	98	ND	30
Acrylonitrile			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	580	ND	4.9	ND	5.9
Benzene	60	4,800	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Bromobenzene			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Bromochloromethane			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Bromodichloromethane			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Bromoform			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Bromomethane			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Carbon Disulfide			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Carbon tetrachloride	760	2,400	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Chlorobenzene	1,100	100,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Chloroethane			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Chloroform	370	49,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Chloromethane			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
cis-1,2-Dichloroethene	250	100,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
cis-1,3-Dichloropropene			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Dibromochloromethane			ND	2.7	ND	3.2	ND	3.3	ND	2.3	ND	2.9	ND	3.9	ND	2.4	ND	2.5	ND	3.1	ND	3	ND	290	ND	2.9	ND	3.6
Dibromomethane			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Dichlorodifluoromethane			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Ethylbenzene	1,000	41,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Hexachlorobutadiene			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Isopropylbenzene			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
m&p-Xylenes	260	100,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Methyl Ethyl Ketone (2-Butanone)	120	100,000	ND	27	ND	32	ND	33	ND	23	ND	29	ND	39	ND	24	ND	25	ND	31	ND	30	ND	3500	ND	29	ND	36
Methyl t-butyl ether (MTBE)	930	100,000	ND	8.9	ND	11	ND	11	ND	7.7	ND	9.5	ND	13	ND	7.9	ND	8.4	ND	10	ND	10	ND	290	ND	9.8	ND	12
Methylene chloride	50	100,000	ND	4.4	ND	5.3	ND	56	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	580	ND	4.9	ND	5.9
Naphthalene	12,000	100,000	ND	4.4	ND	5.3	ND	10	ND	3.8	ND	4.8	**13**	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
n-Butylbenzene	12,000	100,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
n-Propylbenzene	3,900	100,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
o-Xylene	260	100,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
p-Isopropyltoluene			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
sec-Butylbenzene	11,000	100,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Styrene			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
tert-Butylbenzene	5,900	100,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Tetrachloroethene	1,300	19,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Tetrahydrofuran (THF)			ND	8.9	ND	11	ND	11	ND	7.7	ND	9.5	ND	13	ND	7.9	ND	8.4	ND	10	ND	10	ND	580	ND	9.8	ND	12
Toluene	700	100,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Total Xylenes			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
trans-1,2-Dichloroethene	190	100,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
trans-1,3-Dichloropropene			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
trabs-1,4-dichloro-2-butene			ND	8.9	ND	11	ND	11	ND	7.7	ND	9.5	ND	13	ND	7.9	ND	8.4	ND	10	ND	10	ND	580	ND	9.8	ND	12
Trichloroethene	470	21,000	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Trichlorofluoromethane			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Trichlorotrifluoroethane			ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Vinyl Chloride	20	900	ND	4.4	ND	5.3	ND	5.6	ND	3.8	ND	4.8	ND	6.6	ND	3.9	ND	4.2	ND	5.2	ND	5	ND	290	ND	4.9	ND	5.9
Total BTEX Concentration			**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**	
Total VOCs Concentration			**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**13**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**		**0.0**	

Notes:

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

TABLE 3
85-89 4th Avenue, Brooklyn, New York
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives**	B6				B7				B8		B9				B10				B11						B12	
			(0-2') µg/Kg		Duplicate µg/Kg		(0-2') µg/Kg		(9-11') µg/Kg		(0-2') µg/Kg		(0-2') µg/Kg		(9-11') µg/Kg		(2-4') µg/Kg		(9-11') µg/Kg		(0-2') µg/Kg		(9-11') µg/Kg		Duplicate (9-11') µg/Kg		(0-2') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,2,4,5-Tetrachlorobenzene			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
1,2,4-Trichlorobenzene			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
1,2-Dichlorobenzene			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
1,2-Diphenylhydrazine			ND	370	ND	380	ND	360	ND	380	ND	380	ND	2000	ND	390	ND	360	ND	380	ND	360	ND	370	ND	360	ND	360
1,3-Dichlorobenzene			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
1,4-Dichlorobenzene			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
2,4,5-Trichlorophenol			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
2,4,6-Trichlorophenol			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
2,4-Dichlorophenol			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
2,4-Dimethylphenol			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
2,4-Dinitrophenol			ND	580	ND	600	ND	580	ND	610	ND	600	ND	3200	ND	620	ND	580	ND	610	ND	580	ND	590	ND	580	ND	580
2,4-Dinitrotoluene			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
2,6-Dinitrotoluene			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
2-Chloronaphthalene			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
2-Chlorophenol			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
2-Methylnaphthalene			ND	260	ND	260	ND	250	ND	270	ND	260	**6,600**	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
2-Methylphenol (o-cresol)	330	100,000	ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
2-Nitroaniline			ND	580	ND	600	ND	580	ND	610	ND	600	ND	3200	ND	620	ND	580	ND	610	ND	580	ND	590	ND	580	ND	580
2-Nitrophenol			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
3&4-Methylphenol (m&p-cresol)	330	100,000	ND	370	ND	380	ND	360	ND	380	ND	380	ND	2000	ND	390	ND	360	ND	380	ND	360	ND	370	ND	360	ND	360
3,3'-Dichlorobenzidine			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
3-Nitroaniline			ND	580	ND	600	ND	580	ND	610	ND	600	ND	3200	ND	620	ND	580	ND	610	ND	580	ND	590	ND	580	ND	580
4,6-Dinitro-2-methylphenol			ND	1,100	ND	1,100	ND	1,000	ND	1,100	ND	1,100	ND	5,800	ND	1,100	ND	1,000	ND	1,100	ND	1,000	ND	1,100	ND	1,100	ND	1,000
4-Bromophenyl phenyl ether			ND	370	ND	380	ND	360	ND	380	ND	380	ND	2000	ND	390	ND	360	ND	380	ND	360	ND	370	ND	360	ND	360
4-Chloro-3-methylphenol			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
4-Chloroaniline			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
4-Chlorophenyl phenyl ether			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
4-Nitroaniline			ND	580	ND	600	ND	580	ND	610	ND	600	ND	3200	ND	620	ND	580	ND	610	ND	580	ND	590	ND	580	ND	580
4-Nitrophenol			ND	1,100	ND	1,100	ND	1,100	ND	1,100	ND	1,100	ND	5,800	ND	1,100	ND	1,000	ND	1,100	ND	1,000	ND	1,100	ND	1,100	ND	1,000
Acenaphthene	20,000	100,000	ND	260	ND	260	**440**	250	ND	270	ND	260	**17,000**	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Acenaphthylene	100,000	100,000	ND	260	ND	260	ND	250	ND	270	ND	260	**2,600**	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Acetophenone			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Aniline			ND	1,100	ND	1,100	ND	1,100	ND	1,100	ND	1,100	ND	5,800	ND	1,100	ND	1,000	ND	1,100	ND	1,000	ND	1,100	ND	1,100	ND	1,000
Anthracene	100,000	100,000	ND	260	ND	260	**860**	250	ND	270	ND	260	**30,000**	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Benz(a)anthracene	1,000	1,000	ND	260	ND	260	**2,100**	250	ND	270	ND	260	**53,000**	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Benzidine			ND	440	ND	450	ND	440	ND	460	ND	450	ND	2400	ND	470	ND	430	ND	460	ND	430	ND	450	ND	440	ND	430
Benzo(a)pyrene	1,000	1,000	ND	260	ND	260	**1,800**	250	ND	270	ND	260	**43,000**	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Benzo(b)fluoranthene	1,000	1,000	ND	260	ND	260	**2,300**	250	ND	270	ND	260	**56,000**	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Benzo(ghi)perylene	100,000	100,000	ND	260	ND	260	**1,100**	250	ND	270	ND	260	**21,000**	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Benzo(k)fluoranthene	800	3,900	ND	260	ND	260	**860**	250	ND	270	ND	260	**11,000**	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Benzoic acid			ND	1,100	ND	1,100	ND	1,100	ND	1,100	ND	1,100	ND	5,800	ND	1,100	ND	1,000	ND	1,100	ND	1,000	ND	1,100	ND	1,100	ND	1,000
Benzyl butyl phthalate			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Bis(2-chloroethoxy)methane			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Bis(2-chloroethyl)ether			ND	370	ND	380	ND	360	ND	380	ND	380	ND	2000	ND	390	ND	360	ND	380	ND	360	ND	370	ND	360	ND	360
Bis(2-chloroisopropyl)ether			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Bis(2-ethylhexyl)phthalate			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Carbazole			ND	530	ND	570	**760**	520	ND	580	ND	560	**24,000**	3000	ND	590	ND	540	ND	580	ND	540	ND	560	ND	540	ND	540
Chrysene	1,000	3,900	ND	260	ND	260	**2,300**	250	ND	270	ND	260	**56,000**	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Dibenz(a,h)anthracene	330	330	ND	260	ND	260	**320**	250	ND	270	ND	260	**2,200**	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Dibenzofuran	7,000	59,000	ND	260	ND	260	**380**	250	ND	270	ND	260	**13,000**	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Diethyl phthalate			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Dimethylphthalate			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Di-n-butylphthalate			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Di-n-octylphthalate			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Fluoranthene	100,000	100,000	**370**	260	ND	260	**5,400**	250	ND	270	ND	260	**130,000**	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Fluorene	30,000	100,000	ND	260	ND	260	**340**	250	ND	270	ND	260	**18,000**	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Hexachlorobenzene			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Hexachlorobutadiene			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Hexachlorocyclopentadiene			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Hexachloroethane			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Indeno(1,2,3-cd)pyrene	500	500	ND	260	ND	260	**940**	250	ND	270	ND	260	**20,000**	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Isophorone			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Naphthalene	12,000	100,000	ND	260	ND	260	**290**	250	ND	270	ND	260	**15,000**	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Nitrobenzene			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
N-Nitrosodimethylamine			ND	370	ND	380	ND	360	ND	380	ND	380	ND	2000	ND	390	ND	360	ND	380	ND	360	ND	370	ND	360	ND	360
N-Nitrosodi-n-propylamine			ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
N-Nitrosodiphenylamine			ND	370	ND	380	ND	360	ND	380	ND	380	ND	2000	ND	390	ND	360	ND	380	ND	360	ND	370	ND	360	ND	360
Pentachloronitrobenzene			ND	370	ND	380	ND	360	ND	380	ND	380	ND	2000	ND	390	ND	360	ND	380	ND	360	ND	370	ND	360	ND	360
Pentachlorophenol	800	6,700	ND	370	ND	380	ND	360	ND	380	ND	380	ND	2000	ND	390	ND	360	ND	380	ND	360	ND	370	ND	360	ND	360
Phenanthrene	100,000	100,000	ND	260	ND	260	**5,800**	250	ND	270	ND	260	**160,000**	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Phenol	330	100,000	ND	260	ND	260	ND	250	ND	270	ND	260	ND	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Pyrene	100,000	100,000	**330**	260	ND	260	**1,900**	250	ND	270	ND	260	**110,000**	1400	ND	270	ND	250	ND	270	ND	250	ND	260	ND	250	ND	250
Pyridine			ND	370	ND	380	ND	360	ND	380	ND	380	ND	2000	ND	390	ND	360	ND	380	ND	360	ND	370	ND	360	ND	360

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

TABLE 4
85-89 4th Avenue, Brooklyn, New York
Soil Analytical Results
Pesticides PCBs

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B6				B7				B8		B9				B10				B11						B12	
			(0-2') µg/Kg		Duplicate µg/Kg		(0-2') µg/Kg		(9-11') µg/Kg		(0-2') µg/Kg		(0-2') µg/Kg		(9-11') µg/Kg		(2-4') µg/Kg		(9-11') µg/Kg		(0-2') µg/Kg		(9-11') µg/Kg		Duplicate (9-11') µg/Kg		(0-2') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
4,4' -DDD	3.3	13,000	ND	2.9	ND	3	ND	35	ND	37	ND	3	ND	38	ND	37	ND	35	ND	37	ND	34	ND	35	ND	35	ND	2.9
4,4' -DDE	3.3	8,900	ND	2.9	ND	3	ND	35	ND	37	ND	3	ND	38	ND	37	ND	35	ND	37	ND	34	ND	35	ND	35	ND	2.9
4,4' -DDT	3.3	7,900	ND	2.9	ND	3	ND	35	ND	37	**4.7**	3	ND	38	ND	37	ND	35	ND	37	ND	34	ND	35	ND	35	ND	2.9
a-BHC	20	480	ND	3.5	ND	3.5	ND	18	ND	18	ND	3.6	ND	19	ND	19	ND	18	ND	18	ND	17	ND	18	ND	18	ND	3.4
Alachlor			ND	3.5	ND	3.5	ND	18	ND	18	ND	3.6	ND	19	ND	19	ND	18	ND	18	ND	17	ND	18	ND	18	ND	3.4
Aldrin	5	97	ND	1.1	ND	1.1	ND	5.5	ND	5.7	ND	1.1	ND	6	ND	5.8	ND	5.5	ND	5.8	ND	5.4	ND	5.5	ND	5.5	ND	1.1
b-BHC	36	360	ND	3.5	ND	3.5	ND	18	ND	18	ND	3.6	ND	19	ND	19	ND	18	ND	18	ND	17	ND	18	ND	18	ND	3.4
Chlordane	94	4,200	ND	11	ND	11	ND	55	ND	57	ND	11	ND	60	ND	58	ND	55	ND	58	ND	54	ND	55	ND	55	ND	11
d-BHC	40	100,000	ND	3.5	ND	3.5	ND	18	ND	18	ND	3.6	ND	19	ND	19	ND	18	ND	18	ND	17	ND	18	ND	18	ND	3.4
Dieldrin	5	200	ND	1.1	ND	1.1	ND	5.5	ND	5.7	**3.8**	1.1	ND	9.9	ND	5.8	ND	5.5	ND	5.8	ND	5.4	ND	5.5	ND	5.5	ND	1.1
Endosulfan I	2,400	24,000	ND	3.5	ND	3.5	ND	18	ND	18	ND	3.6	ND	19	ND	19	ND	18	ND	18	ND	17	ND	18	ND	18	ND	3.4
Endosulfan II	2,400	24,000	ND	7.1	ND	7.1	ND	35	ND	37	ND	7.2	ND	38	ND	37	ND	35	ND	37	ND	34	ND	35	ND	35	ND	6.9
Endosulfan sulfate	2,400	24,000	ND	7.1	ND	7.1	ND	35	ND	37	ND	7.2	ND	44	ND	37	ND	35	ND	37	ND	34	ND	35	ND	35	ND	6.9
Endrin	14	11,000	ND	7.1	ND	7.1	ND	35	ND	37	ND	7.2	ND	38	ND	37	ND	35	ND	37	ND	34	ND	35	ND	35	ND	6.9
Endrin aldehyde			ND	7.1	ND	7.1	ND	35	ND	37	ND	7.2	ND	38	ND	37	ND	35	ND	37	ND	34	ND	35	ND	35	ND	6.9
Endrin ketone			ND	7.1	ND	7.1	ND	35	ND	37	ND	7.2	ND	38	ND	37	ND	35	ND	37	ND	34	ND	35	ND	35	ND	6.9
g-BHC			ND	1.1	ND	1.1	ND	5.5	ND	5.7	ND	1.1	ND	6	ND	5.8	ND	5.5	ND	5.8	ND	5.4	ND	5.5	ND	5.5	ND	1.1
Heptachlor	42	2,100	ND	2.2	ND	2.2	ND	11	ND	11	ND	2.2	ND	12	ND	12	ND	11	ND	12	ND	11	ND	11	ND	11	ND	2.2
Heptachlor epoxide			ND	3.5	ND	3.5	ND	18	ND	18	ND	3.6	ND	19	ND	19	ND	18	ND	18	ND	17	ND	18	ND	18	ND	3.4
Methoxychlor			ND	35	ND	35	ND	180	ND	180	ND	36	ND	190	ND	190	ND	180	ND	180	ND	170	ND	180	ND	180	ND	34
Toxaphene			ND	35	ND	35	ND	180	ND	180	ND	36	ND	190	ND	190	ND	180	ND	180	ND	170	ND	180	ND	180	ND	34
PCB-1016	100	1,000	ND	74	ND	74	ND	360	ND	380	ND	75	ND	400	ND	390	ND	360	ND	380	ND	360	ND	360	ND	370	ND	72
PCB-1221	100	1,000	ND	74	ND	74	ND	360	ND	380	ND	75	ND	400	ND	390	ND	360	ND	380	ND	360	ND	360	ND	370	ND	72
PCB-1232	100	1,000	ND	74	ND	74	ND	360	ND	380	ND	75	ND	400	ND	390	ND	360	ND	380	ND	360	ND	360	ND	370	ND	72
PCB-1242	100	1,000	ND	74	ND	74	ND	360	ND	380	ND	75	ND	400	ND	390	ND	360	ND	380	ND	360	ND	360	ND	370	ND	72
PCB-1248	100	1,000	ND	74	ND	74	ND	360	ND	380	ND	75	ND	400	ND	390	ND	360	ND	380	ND	360	ND	360	ND	370	ND	72
PCB-1254	100	1,000	ND	74	ND	74	ND	360	ND	380	ND	75	ND	400	ND	390	ND	360	ND	380	ND	360	ND	360	ND	370	ND	72
PCB-1260	100	1,000	ND	74	ND	74	ND	360	ND	380	ND	75	ND	400	ND	390	ND	360	ND	380	ND	360	ND	360	ND	370	ND	72
PCB-1262	100	1,000	ND	74	ND	74	ND	360	ND	380	ND	75	ND	400	ND	390	ND	360	ND	380	ND	360	ND	360	ND	370	ND	72
PCB-1268	100	1,000	ND	74	ND	74	ND	360	ND	380	ND	75	ND	400	ND	390	ND	360	ND	380	ND	360	ND	360	ND	370	ND	72

Notes:

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

ND - Non-Detect

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

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

TABLE 5
85-89 4th Avenue, Brooklyn, New York
Soil Analytical Results
Metals

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B6				B7				B8		B9				B10				B11						B12	
			(0-2') µg/Kg		Duplicate µg/Kg		(0-2') µg/Kg		(9-11') µg/Kg		(0-2') µg/Kg		(0-2') µg/Kg		(9-11') µg/Kg		(2-4') µg/Kg		(9-11') µg/Kg		(0-2') µg/Kg		(9-11') µg/Kg		Duplicate (9-11') µg/Kg		(0-2') µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum			7,060	55	7,600	53	8,360	53	10,100	55	7,620	60	5,040	64	9,920	57	7,590	57	11,000	53	7,160	56	7,370	55	8,350	53	8,410	50
Antimony			BRL	3.6	BRL	3.6	BRL	3.6	BRL	3.6	BRL	4	BRL	4.2	BRL	3.8	BRL	3.8	BRL	3.5	BRL	3.8	BRL	3.6	BRL	3.5	BRL	3.4
Arsenic	13	16	2.8	0.7	2.9	0.7	6	0.7	3.2	0.7	4.5	0.8	8.2	0.8	5.2	0.8	5.6	0.8	3.1	0.7	4.5	0.8	2.3	0.7	2.1	0.7	2.8	0.7
Barium	350	350	44.3	0.36	47.4	0.36	195	0.36	38.1	0.36	138	0.4	2,450	4.2	46.8	0.38	69.5	0.38	40.2	0.35	46.9	0.38	44.6	0.36	38.8	0.35	43	0.34
Beryllium	7.2	14	0.4	0.29	0.44	0.28	0.49	0.28	0.57	0.29	0.45	0.32	0.41	0.34	0.52	0.31	0.49	0.3	0.48	0.28	0.38	0.3	0.45	0.29	0.49	0.28	0.5	0.27
Cadmium	2.5	2.5	BRL	0.36	BRL	0.36	BRL	0.36	BRL	0.36	BRL	0.4	1.89	0.42	BRL	0.38	0.95	0.38	BRL	0.35	BRL	0.38	BRL	0.36	BRL	0.35	BRL	0.34
Calcium			19,700	55	18,300	53	10,700	53	986	5.5	19,500	60	121,000	64	1,450	57	13,600	57	1,100	53	2,320	5.6	1,520	5.5	1,440	5.3	1,350	5
Chromium			17.7	0.36	18.4	0.36	15.9	0.36	16.6	0.36	18.8	0.4	15.8	0.42	20.3	0.38	29.7	0.38	18.7	0.35	14.8	0.38	18.1	0.36	17.9	0.35	17.7	0.34
Cobalt			6.5	0.36	6.68	0.36	6.52	0.36	7.41	0.36	6.98	0.4	3.59	0.42	8.73	0.38	9.01	0.38	8.13	0.35	6.37	0.38	7.8	0.36	6.91	0.35	8.58	0.34
Copper	50	270	19.8	0.36	19.3	0.36	28	0.36	17	0.36	41.6	0.4	30.4	0.42	15.7	0.38	79.5	0.38	13.4	0.35	18.7	0.38	16.9	0.36	15.3	0.35	16.6	0.34
Iron			12,800	55	13,500	53	14,800	53	18,300	55	15,000	60	11,500	64	18,800	57	40,100	57	19,900	53	29,100	56	16,400	55	17,300	53	16,000	50
Lead	63	400	41	0.36	64.8	0.36	205	3.6	10.2	0.36	86.4	0.4	5,300	42	10.5	0.38	28.4	0.38	8.41	0.35	40.1	0.38	8.56	0.36	7.25	0.35	12.9	0.34
Magnesium			5,670	55	5,640	53	3,350	53	2,970	55	10,300	60	4,390	64	3,660	57	5,610	57	3,140	53	2,590	56	2,930	55	3,190	53	3,240	5
Manganese	1,600	2,000	289	3.6	367	3.6	273	3.6	330	3.6	640	4	371	4.2	769	3.8	412	3.8	320	3.5	311	3.8	346	3.6	292	3.5	450	3.4
Mercury	0.18	0.81	0.09	0.07	0.14	0.06	0.54	0.07	BRL	0.08	0.12	0.08	0.43	0.08	BRL	0.09	BRL	0.07	BRL	0.07	0.08	0.07	BRL	0.09	BRL	0.06	BRL	0.07
Nickel	30	140	38	0.36	33.7	0.36	33.4	0.36	29.5	0.36	31.8	0.4	12.7	0.42	31.6	0.38	45.2	0.38	29	0.35	22.3	0.38	34.6	0.36	37	0.35	33.6	0.34
Potassium			1,490	5.5	1,450	5.3	1,530	53	1,010	55	1,770	6	886	6.4	1,260	57	1,260	57	1,120	53	1,020	56	1,300	55	1,390	53	1,510	5
Selenium	3.9	36	BRL	1.5	BRL	1.4	BRL	1.4	BRL	1.5	BRL	1.6	BRL	1.7	BRL	1.5	BRL	1.5	BRL	1.4	BRL	1.5	BRL	1.5	BRL	1.4	BRL	1.3
Silver	2	36	BRL	0.36	BRL	0.36	BRL	0.36	BRL	0.36	BRL	0.4	BRL	0.42	BRL	0.38	BRL	0.38	BRL	0.35	BRL	0.38	BRL	0.36	BRL	0.35	BRL	0.34
Sodium			405	5.5	320	5.3	698	5.3	103	5.5	274	6	315	6.4	75.1	5.7	180	5.7	53.4	5.3	187	5.6	96.7	5.5	117	5.3	117	5
Thallium			BRL	0.6	BRL	0.6	BRL	0.6	BRL	0.6	BRL	0.6	BRL	0.7	BRL	0.6	BRL	0.6	BRL	0.6	BRL	0.6	BRL	0.6	BRL	0.6	BRL	0.5
Vanadium			21.6	0.36	22.9	0.36	22	0.36	27.1	0.36	25.3	0.4	23.8	0.42	26	0.38	28.5	0.38	25.4	0.35	20.9	0.38	23.4	0.36	25.7	0.35	25.8	0.34
Zinc	109	2,200	44.8	3.6	43.1	0.36	151	3.6	39.2	0.36	142	0.4	2,290	42	49.6	0.38	56.6	0.38	31.2	0.35	38.8	0.38	37.3	0.36	36	0.35	37.1	0.34

Notes:

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

BRL - Below Reporting Limit

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

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

TABLE 6
85-89 4th Avenue, Brooklyn , New York
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 µg/L		MW2 µg/L		MW3 µg/L		Duplicate µg/L	
1,1,1,2-Tetrachlorothane	5	ND	1	ND	1	ND	1	ND	1
1,1,1-Trichloroethane	5	ND	1	ND	1	ND	1	ND	1
1,1,2,2-Tetrachloroethane	5	ND	0.5	ND	0.5	ND	0.5	ND	1
1,1,2-Trichloroethane	1	ND	1	ND	1	ND	1	ND	1
1,1-Dichloroethane	5	ND	1	ND	1	ND	1	ND	1
1,1-Dichloroethene	5	ND	1	ND	1	ND	1	ND	1
1,1-Dichloropropene		ND	1	ND	1	ND	1	ND	1
1,2,3-Trichlorobenzene		ND	1	ND	1	ND	1	ND	1
1,2,3-Trichloropropane	0.04	ND	1	ND	1	ND	1	ND	1
1,2,4-Trichlorobenzene		ND	1	ND	1	ND	1	ND	1
1,2,4-Trimethylbenzene	5	ND	1	ND	1	ND	1	ND	1
1,2-Dibromo-3-chloropropane	0.04	ND	1	ND	1	ND	1	ND	1
1,2-Dichlorobenzene	5	ND	1	ND	1	ND	1	ND	1
1,2-Dichloroethane	0.6	ND	0.6	ND	0.6	ND	0.6	ND	1
1,2-Dichloropropane	0.94	ND	1	ND	1	ND	1	ND	1
1,2-Dibromoethane		ND	1	ND	1	ND	1	ND	1
1,3-Dichlorobenzene	5	ND	1	ND	1	ND	1	ND	1
1,3-Dichloropropane	5	ND	1	ND	1	ND	1	ND	1
1,4-Dichlorobenzene	5	ND	1	ND	1	ND	1	ND	1
2,2-Dichloropropane	5	ND	1	ND	1	ND	1	ND	1
2-Chlorotoluene	5	ND	1	ND	1	ND	1	ND	1
2-Hexanone (Methyl Butyl Ketone)		ND	5	ND	5	ND	5	ND	5
2-Isopropyltoluene	5	ND	1	ND	1	ND	1	ND	1
4-Chlorotoluene	5	ND	1	ND	1	ND	1	ND	1
4-Methyl-2-Pentanone		ND	5	ND	5	ND	5	ND	5
Acetone		ND	25	ND	25	ND	25	ND	25
Acrylonitrile	5	ND	5	ND	5	ND	5	ND	5
Benzene	1	ND	0.7	ND	0.7	ND	0.7	ND	1
Bromobenzene	5	ND	1	ND	1	ND	1	ND	1
Bromochloromethane	5	ND	1	ND	1	ND	1	ND	1
Bromodichloromethane		ND	0.5	ND	0.5	ND	0.5	ND	1
Bromoform		ND	1	ND	1	ND	1	ND	1
Bromomethane	5	ND	1	ND	1	ND	1	ND	1
Carbon Disulfide	60	ND	5	ND	5	ND	5	ND	5
Carbon tetrachloride	5	ND	1	ND	1	ND	1	ND	1
Chlorobenzene	5	ND	1	ND	1	ND	1	ND	1
Chloroethane	5	ND	1	ND	1	ND	1	ND	1
Chloroform	7	ND	1	ND	1	ND	1	ND	1
Chloromethane	60	ND	1	ND	1	ND	1	ND	1
cis-1,2-Dichloroethene	5	ND	1	ND	1	ND	1	ND	1
cis-1,3-Dichloropropene		ND	0.5	ND	0.5	ND	0.5	ND	1
Dibromochloromethane		ND	0.5	ND	0.5	ND	0.5	ND	1
Dibromomethane	5	ND	1	ND	1	ND	1	ND	1
Dichlorodifluoromethane	5	ND	1	ND	1	ND	1	ND	1
Ethylbenzene	5	ND	1	ND	1	ND	1	ND	1
Hexachlorobutadiene	0.5	ND	0.4	ND	0.4	ND	0.4	ND	0
Isopropylbenzene	5	ND	1	ND	1	ND	1	ND	1
m&p-Xylenes	5	ND	1	ND	1	ND	1	ND	1
Methyl Ethyl Ketone (2-Butanone)		ND	5	ND	5	ND	5	ND	5
Methyl t-butyl ether (MTBE)	10	ND	1	ND	1	ND	1	ND	1
Methylene chloride	5	ND	1	ND	1	ND	1	ND	1
Naphthalene	10	ND	1	ND	1	**1.1**	1	ND	1
n-Butylbenzene	5	ND	1	ND	1	ND	1	ND	1
n-Propylbenzene	5	ND	1	ND	1	ND	1	ND	1
o-Xylene	5	ND	1	ND	1	ND	1	ND	1
p-Isopropyltoluene		ND	1	ND	1	ND	1	ND	1
sec-Butylbenzene	5	ND	1	ND	1	ND	1	ND	1
Styrene	5	ND	1	ND	1	ND	1	ND	1
tert-Butylbenzene	5	ND	1	ND	1	ND	1	ND	1
Tetrachloroethene	5	ND	1	ND	1	ND	1	ND	1
Tetrahydrofuran (THF)		ND	2.5	ND	2.5	ND	2.5	ND	2
Toluene	5	ND	1	ND	1	ND	1	ND	1
Total Xylenes	5	ND	1	ND	1	ND	1	ND	1
trans-1,2-Dichloroethene	5	ND	1	ND	1	ND	1	ND	1
trans-1,3-Dichloropropene	0.4	ND	0.5	ND	0.5	ND	0.5	ND	1
trans-1,4-dichloro-2-butene	5	ND	5	ND	5	ND	5	ND	5
Trichloroethene	5	ND	1	ND	1	ND	1	ND	1
Trichlorofluoromethane	5	ND	1	ND	1	ND	1	ND	1
Trichlorotrifluoroethane		ND	1	ND	1	ND	1	ND	1
Vinyl Chloride	2	ND	1	ND	1	ND	1	ND	1

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

TABLE 7
85-89 4th Avenue, Brooklyn, New York
Groundwater Analytical Results
Semi-Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 µg/L		MW2 µg/L		MW3 µg/L		Duplicate µg/L	
1,2,4,5-Tetrachlorobenzene		ND	5	ND	6.3	ND	5	ND	5
1,2,4-Trichlorobenzene		ND	5	ND	6.3	ND	5	ND	5
2,4,5-Trichlorophenol	3	ND	10	ND	13	ND	10	ND	10
2,4,6-Trichlorophenol	3	ND	10	ND	13	ND	10	ND	10
1,2-Dichlorobenzene		ND	5	ND	6.3	ND	5	ND	5
1,3-Dichlorobenzene		ND	5	ND	6.3	ND	5	ND	5
1,4-Dichlorobenzene		ND	5	ND	6.3	ND	5	ND	5
2,4-Dichlorophenol		ND	10	ND	13	ND	10	ND	10
2,4-Dimethylphenol		ND	10	ND	13	ND	10	ND	10
2,4-Dinitrophenol		ND	50	ND	63	ND	50	ND	50
2,4-Dinitrotoluene	5	ND	5	ND	6.3	ND	5	ND	5
2,6-Dinitrotoluene	5	ND	5	ND	6.3	ND	5	ND	5
2-Chloronaphthalene	10	ND	5	ND	6.3	ND	5	ND	5
2-Chlorophenol		ND	10	ND	13	ND	10	ND	10
2-Methylnaphthalene		ND	5	ND	6.3	ND	5	ND	5
2-Methylphenol (o-cresol)		ND	10	ND	13	ND	10	ND	10
2-Nitroaniline	5	ND	50	ND	63	ND	50	ND	50
2-Nitrophenol		ND	10	ND	13	ND	10	ND	10
3&4-Methylphenol (m&p-cresol)		ND	10	ND	13	ND	10	ND	10
3,3'-Dichlorobenzidine	5	ND	50	ND	63	ND	50	ND	50
3-Nitroaniline	5	ND	50	ND	63	ND	50	ND	50
4,6-Dinitro-2-methylphenol		ND	50	ND	63	ND	50	ND	50
4-Bromophenyl phenyl ether		ND	5	ND	6.3	ND	5	ND	5
4-Chloro-3-methylphenol		ND	20	ND	25	ND	20	ND	20
4-Chloroaniline	5	ND	20	ND	25	ND	20	ND	20
4-Chlorophenyl phenyl ether		ND	5	ND	6.3	ND	5	ND	5
4-Nitroaniline	5	ND	20	ND	25	ND	20	ND	20
4-Nitrophenol		ND	50	ND	63	ND	50	ND	50
Acenaphthene	20	ND	0.05	ND	0.063	**2.4**	0.05	ND	0.05
Acenaphthylene		ND	0.05	ND	0.063	**0.93**	0.05	ND	0.05
Acetophenone		ND	5	ND	6.3	ND	5	ND	5
Aniline		ND	10	ND	13	ND	10	ND	10
Anthracene	50	ND	5	ND	6.3	ND	5	ND	5
Benzo(a)anthracene	0.002	ND	0.04	**0.075**	0.05	**8.9**	0.04	ND	0.04
Benzidine	5	ND	50	ND	63	ND	50	ND	50
Benzo(a)pyrene		ND	0.05	ND	0.063	**8**	0.05	ND	0.05
Benzo(b)fluoranthene	0.002	ND	0.05	**0.81**	0.063	**9.9**	0.05	ND	0.05
Benzo(g,h,i)perylene		ND	3	ND	3.8	**4.8**	3	ND	3
Benzo(k)fluoranthene	0.002	ND	0.05	**0.23**	0.063	**3.5**	0.05	ND	0.05
Benzoic Acid		ND	50	**280**	63	ND	50	ND	50
Butyl benzyl phthalate	50	ND	5	ND	6.3	ND	5	ND	5
Bis(2-chloroethoxy)methane	5	ND	5	ND	6.3	ND	5	ND	5
Bis(2-chloroethyl)ether	1	ND	5	ND	6.3	ND	5	ND	5
Bis(2-chloroisopropyl)ether		ND	5	ND	6.3	ND	5	ND	5
Bis(2-ethylhexyl)phthalate	5	**3.6**	1.6	ND	2	ND	1.6	**2.8**	1.6
Carbazole		ND	5	ND	6.3	**8.4**	5	ND	5
Chrysene	0.002	ND	0.05	**0.5**	0.063	**8**	0.05	ND	0.05
Dibenzo(a,h)anthracene		ND	0.01	**0.1**	0.013	**1.3**	0.01	ND	0.01
Dibenzofuran		ND	5	ND	6.3	ND	5	ND	5
Diethylphthalate	50	ND	5	ND	6.3	ND	5	ND	5
Dimethylphthalate	50	ND	5	ND	6.3	ND	5	ND	5
Di-n-butylphthalate	50	ND	5	ND	6.3	ND	5	ND	5
Di-n-octylphthalate	50	ND	5	ND	6.3	ND	5	ND	5
Fluoranthene	50	ND	5	ND	6.3	**21**	5	ND	5
Fluorene	50	ND	5	ND	6.3	ND	5	ND	5
Hexachlorobenzene	0.04	ND	0.06	ND	0.075	ND	0.06	ND	0.06
Hexachlorobutadiene	0.5	ND	5	ND	6.3	ND	5	ND	5
Hexachlorocyclopentadiene	5	ND	5	ND	6.3	ND	5	ND	5
Hexachloroethane	5	ND	2.4	ND	3	ND	2.4	ND	2.4
Indeno(1,2,3-cd)pyrene	0.002	ND	0.05	ND	0.063	**4.4**	0.05	**0.05**	0.05
Isophorone	50	ND	5	ND	6.3	ND	5	ND	5
Naphthalene	10	ND	5	ND	6.3	ND	5	ND	5
Nitrobenzene	0.4	ND	5	ND	6.3	ND	5	ND	5
N-Nitrosodimethylamine		ND	5	ND	6.3	ND	5	ND	5
N-Nitrosodi-n-propylamine		ND	5	ND	6.3	ND	5	ND	5
N-Nitrosodiphenylamine	50	ND	5	ND	6.3	ND	5	ND	5
Pentachloronitrobenzene		ND	0.1	ND	0.13	ND	0.1	ND	0.1
Pentachlorophenol		ND	0.8	ND	1	ND	0.8	ND	0.8
Phenanthrene	50	ND	0.05	**0.51**	0.063	**20**	0.05	ND	0.05
Phenol		ND	10	ND	13	ND	10	ND	10
Pyrene	50	ND	5	ND	6.3	**17**	5	ND	5
Pyridine		ND	0.5	ND	0.63	ND	0.5	ND	0.5

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

TABLE 8
85-89 4th Avenue, Brooklyn, New York
Groundwater Analytical Results
Pesticides/PCBs

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 µg/L		MW2 µg/L		MW3 µg/L		Duplicate µg/L	
PCB-1016	**0.09**	ND	0.1	ND	0.69	ND	0.1	ND	0.12
PCB-1221	**0.09**	ND	0.1	ND	0.69	ND	0.1	ND	0.12
PCB-1232	**0.09**	ND	0.1	ND	0.69	ND	0.1	ND	0.12
PCB-1242	**0.09**	ND	0.1	ND	0.69	ND	0.1	ND	0.12
PCB-1248	**0.09**	ND	0.1	ND	0.69	ND	0.1	ND	0.12
PCB-1254	**0.09**	ND	0.1	**11**	0.69	ND	0.1	ND	0.12
PCB-1260	**0.09**	ND	0.1	ND	0.69	ND	0.1	ND	0.12
PCB-1262	**0.09**	ND	0.1	ND	0.69	ND	0.1	ND	0.12
PCB-1268	**0.09**	ND	0.1	ND	0.69	ND	0.1	ND	0.12
4,4-DDD	**0.3**	ND	0.053	ND*	0.35	ND	0.052	ND	0.061
4,4-DDE	**0.2**	ND	0.053	ND*	0.35	ND	0.052	ND	0.061
4,4-DDT	**0.11**	ND	0.053	ND*	0.35	ND	0.052	ND	0.061
a-BHC	**0.94**	ND	0.026	ND*	0.17	ND	0.026	ND	0.03
Alachlor		ND	0.079	ND*	0.52	ND	0.078	ND	0.091
Aldrin		ND	0.002	ND*	0.01	ND	0.002	ND	0.002
b-BHC	**0.04**	ND	0.005	ND*	0.035	ND	0.005	ND	0.006
Chlordane	**0.05**	ND	0.32	ND*	2.1	ND	0.31	ND	0.36
d-BHC	**0.04**	ND	0.026	ND*	0.17	ND	0.026	ND	0.03
Dieldrin	**0.004**	ND	0.002	ND*	0.083	ND	0.002	ND	0.002
Endosulfan I		ND	0.053	ND*	0.35	ND	0.052	ND	0.061
Endosulfan II		ND	0.053	ND*	0.35	ND	0.052	ND	0.061
Endosulfan Sulfate		ND	0.053	ND*	0.35	ND	0.052	ND	0.061
Endrin		ND	0.053	ND*	0.35	ND	0.052	ND	0.061
Endrin aldehyde	**5**	ND	0.053	ND*	0.35	ND	0.052	ND	0.061
Endrin ketone		ND	0.053	ND*	0.35	ND	0.052	ND	0.061
gamma-BHC	**0.05**	ND	0.026	ND*	0.17	ND	0.026	ND	0.03
Heptachlor	**0.04**	ND	0.026	ND*	0.17	ND	0.026	ND	0.03
Heptachlor epoxide	**0.03**	ND	0.026	ND*	0.17	ND	0.026	ND	0.03
Methoxychlor	**35**	ND	0.1	ND*	0.69	ND	0.1	ND	0.12
Toxaphene		ND	1	ND*	6.9	ND	1	ND	1.2

Notes:
ND - Non-detect
ND* - Due to matrix interference from non target compounds in the sample an elevated RL was reported.
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 9
85-89 4th Avenue Brooklyn, New York
Groundwater Analytical Results
TAL Metals

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 µg/L		MW2 µg/L		MW3 µg/L		Duplicate µg/L	
		Result	RL	Result	RL	Result	RL	Result	RL
Aluminum	**NS**	**352,000**	1,000	**1,080,000**	1,000	**24,300**	10	**6,920**	10
Antimony	**3**	BRL	5	BRL	5	BRL	5	BRL	5
Arsenic	**25**	**162**	4	**376**	4	**6**	4	**11**	4
Barium	**1000**	**2,140**	2	**6,370**	2	**370**	2	**145**	2
Beryllium	**3**	**20**	1	**47**	1	**1**	1	BRL	1
Cadmium	**5**	BRL	1	BRL	1	BRL	1	BRL	1
Calcium	**NS**	**230,000**	100	**2,920,000**	1,000	**178,000**	100	**112,000**	100
Chromium	**50**	**853**	1	**1,630**	1	**41**	1	**15**	1
Cobalt	**NS**	**247**	2	**564**	2	**12**	2	**5**	2
Copper	**200**	**769**	5	**2,870**	50	**57**	5	**18**	5
Iron	**500**	**526,000**	100	**1,630,000**	1,000	**41,100**	10	**13,700**	10
Lead	**25**	**399**	2	**5,170**	20	**203**	2	**9**	2
Magnesium	**35000**	**179,000**	100	**371,000**	100	**39,100**	100	**34,900**	100
Manganese	**300**	**18,300**	100	**35,200**	100	**4,160**	100	**2,910**	100
Mercury	**0.7**	**0.7**	0.20	**7**	0.20	BRL	0.20	BRL	0.20
Nickel	**100**	**1,350**	1	**4,150**	10	**67**	1	**28**	1
Potassium	**NS**	**59,800**	1,000	**129,000**	1,000	**13,300**	100	**17,200**	100
Selenium	**10**	BRL	10	BRL	10	BRL	10	BRL	10
Silver	**50**	BRL	1	**3**	1	BRL	1	BRL	1
Sodium	**2000**	**133,000**	1,000	**44,700**	100	**32,900**	100	**96,100**	1,000
Thallium	**0.5**	BRL	2	BRL	2	BRL	2	BRL	2
Vanadium	**NS**	**795**	2	**2,690**	20	**56**	2	**18**	2
Zinc	**2000**	**1,530**	2	**15,600**	20	**241**	2	**31**	2

Notes:
BRL - Below Reporting Limit
NS - No Standard
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 10
85-89 4th Avenue, Brooklyn, New York
Groundwater Analytical Results
TAL Filtered Metals

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 µg/L		MW2 µg/L		MW3 µg/L		Duplicate µg/L	
Silver	50	BRL	1	BRL	1	BRL	1	BRL	1
Aluminum	NS	2,170	10	3,110	10	370	10	650	10
Arsenic	25	12	4	BRL	4	BRL	4	BRL	4
Barium	1000	177	2	34	2	90	2	115	2
Beryllium	3	20	1	47	1	1	1	BRL	1
Calcium	NS	123,000	10	139,000	10	165,000	10	115,000	10
Cadmium	5	BRL	1	BRL	1	BRL	1	BRL	1
Cobalt	NS	3	1	BRL	1	1	1	2	1
Chromium	50	3	1	8	1	BRL	1	BRL	1
Copper	200	BRL	5	28	5	BRL	5	BRL	5
Iron	500	1,970	11	487	11	996	11	511	11
Mercury	0.7	BRL	0.2	BRL	0.2	BRL	0.2	BRL	0.2
Potassium	NS	14,800	100	9,400	100	9,800	100	17,200	100
Magnesium	35000	38,200	10	130	10	34,000	10	33,100	10
Manganese	300	4,670	11	12	1	4,180	11	3,050	11
Sodium	2000	112,000	1100	26,800	110	29,100	110	109,000	1100
Nickel	100	19	1	9	1	5	1	8	1
Lead	25	3	2	2	2	BRL	2	2	2
Antimony	3	BRL	5	BRL	5	BRL	5	BRL	5
Selenium	10	BRL	11	BRL	11	BRL	11	BRL	11
Thallium	0.5	BRL	2	BRL	2	BRL	3	BRL	2
Vanadium	NS	4	2	7	2	BRL	2	BRL	2
Zinc	2000	5	2	5	2	12	2	BRL	2

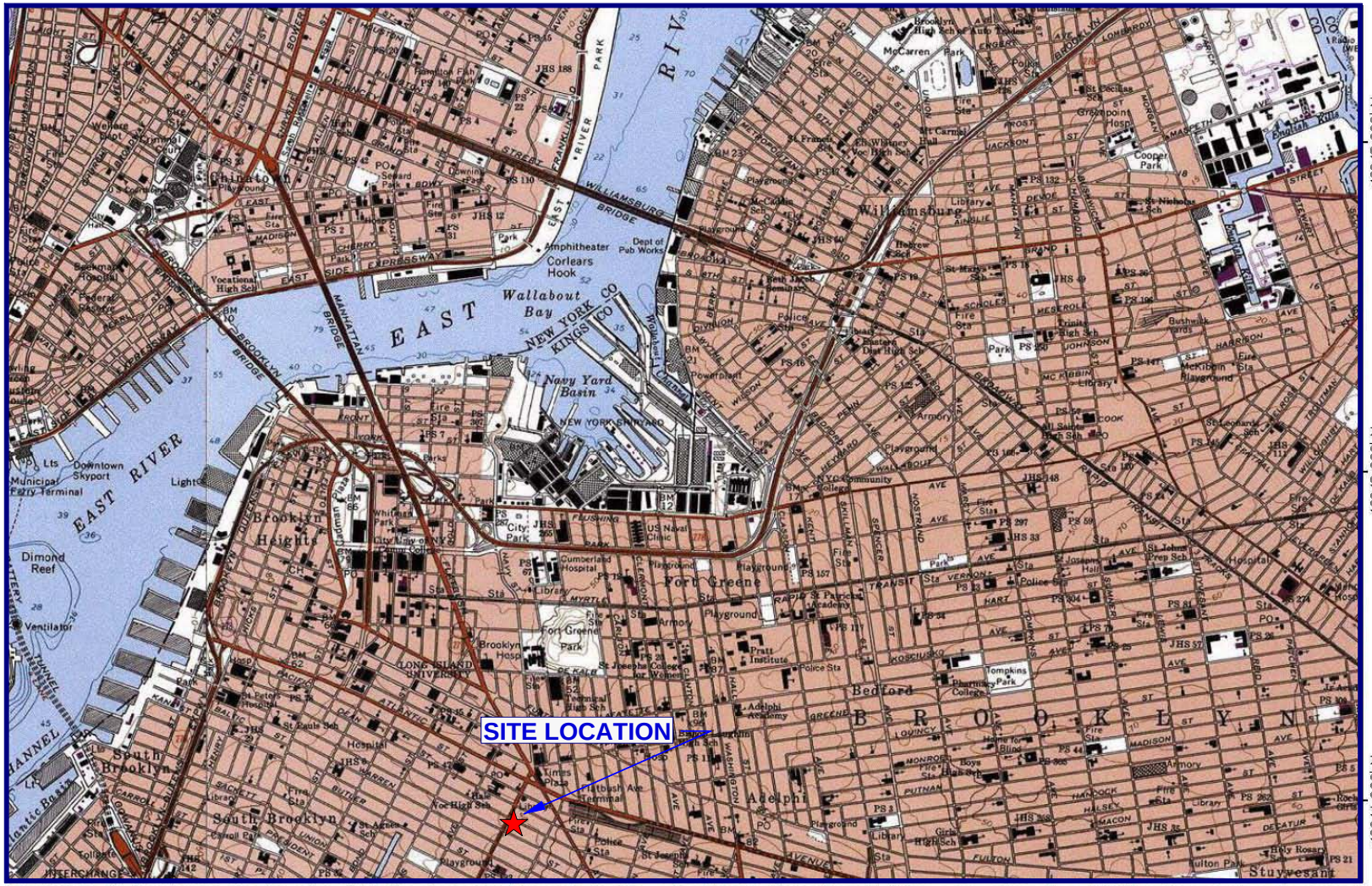
Notes:
BRL - Below Reporting Limit
NS - No Standard
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 11
85-89 4th Avenue, Brooklyn, New York
Soil Gas - Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub-Slab Value (µg/m³) [a]	NYSDOH Soil Outdoor Background Levels (µg/m³) [b]	SG-1 (µg/m3)		SG-2 (µg/m3)		SG-4 (µg/m3)		SG-5 (µg/m3)	
			Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			ND	1	ND	1	ND	1	ND	1
1,1,1-Trichloroethane	100	<2.0 - 2.8	ND	1	ND	1	ND	1	ND	1
1,1,2,2-Tetrachloroethane		<1.5	ND	1	ND	1	ND	1	ND	1
1,1,2-Trichloroethane		<1.0	ND	1	ND	1	ND	1	ND	1
1,1-Dichloroethane		<1.0	ND	1	ND	1	ND	1	ND	1
1,1-Dichloroethene		<1.0	ND	1	ND	1	ND	1	ND	1
1,2,4-Trichlorobenzene		NA	ND	1	ND	1	ND	1	ND	1
1,2,4-Trimethylbenzene		<1.0	**2.21**	1	**1.67**	1	**2.8**	1	**1.33**	1
1,2-Dibromoethane		<1.5	ND	1	ND	1	ND	1	ND	1
1,2-Dichlorobenzene		<2.0	ND	1	ND	1	ND	1	ND	1
1,2-Dichloroethane		<1.0	ND	1	ND	1	ND	1	ND	1
1,2-Dichlorotetrafluoroethane			ND	1	ND	1	ND	1	ND	1
1,3,5-Trimethylbenzene		<1.0	ND	1	ND	1	ND	1	ND	1
1,3-Butadiene		NA	ND	1	ND	1	ND	1	ND	1
1,3-Dichlorobenzene		<2.0	**2.52**	1	ND	1	**2.1**	1	ND	1
1,4-Dichlorobenzene		NA	ND	1	ND	1	ND	1	ND	1
1,4-Dioxane			ND	1	ND	1	ND	1	ND	1
2-Hexanone			ND	1	ND	1	ND	1	ND	1
4-Ethyltoluene		NA	ND	1	ND	1	ND	1	ND	1
4-Isopropyltoluene			ND	1	ND	1	ND	1	ND	1
4-Methyl-2-pentanone			**1.47**	1	**1.1**	1	**2.09**	1	ND	1
Acetone		NA	**45.3**	1	**12.3**	1	**81**	1	**68.8**	1
Acrylonitrile			ND	1	ND	1	ND	1	ND	1
Benzene		<1.6 - 4.7	**3.06**	1	**3.03**	1	**3.54**	1	**1.66**	1
Benzyl Chloride		NA	ND	1	ND	1	ND	1	ND	1
Bromodichloromethane		<5.0	ND	1	ND	1	ND	1	ND	1
Bromoform		<1.0	ND	1	ND	1	ND	1	ND	1
Bromomethane		<1.0	ND	1	ND	1	ND	1	ND	1
Carbon Disulfide		NA	ND	1	**8.5**	1	ND	1	ND	1
Carbon Tetrachloride	5	<3.1	**0.44**	0.25	ND	0.25	**0.503**	0.25	**0.44**	0.25
Chlorobenzene		<2.0	ND	1	ND	1	ND	1	ND	1
Chloroethane		NA	ND	1	ND	1	ND	1	ND	1
Chloroform		<2.4	**5.71**	1	ND	1	**1.12**	1	ND	1
Chloromethane		<1.0 - 1.4	ND	1	ND	1	ND	1	ND	1
cis-1,2-Dichloroethene		<1.0	ND	1	ND	1	ND	1	ND	1
cis-1,3-Dichloropropene		NA	ND	1	ND	1	ND	1	ND	1
Cyclohexane		NA	ND	1	ND	1	ND	1	ND	1
Dibromochloromethane		<5.0	ND	1	ND	1	ND	1	ND	1
Dichlorodifluromethane		NA	**2.42**	1	**2.37**	1	**2.17**	1	**2.47**	1
Ethanol			**39.9**	1	**23.5**	1	**29.4**	1	**65.7**	1
Ethyl Acetate		NA	**3.1**	1	**1.73**	1	**1.84**	1	**1.33**	1
Ethylbenzene		<4.3	**2.65**	1	**3.34**	1	**2.82**	1	**1.56**	1
Heptane		NA	**17.4**	1	**13.8**	1	**15**	1	**8.27**	1
Hexachlorobutadiene		NA	ND	1	ND	1	ND	1	ND	1
Hexane		<1.5	ND	1	ND	1	ND	1	ND	1
Isopropylalcohol		NA	**5.4**	1	ND	1	**16.5**	1	**3.05**	1
Isopropylbenzene			ND	1	ND	1	ND	1	ND	1
Xylene (m&p)		<4.3	**5.77**	1	**6.81**	1	**5.25**	1	**3.6**	1
Methyl Ethyl Ketone			**4.92**	1	**1.3**	1	**16.6**	1	**5.78**	1
MTBE		NA	ND	1	ND	1	ND	1	ND	1
Methylene Chloride		<3.4	ND	1	ND	1	ND	1	ND	1
n-Butylbenzene			ND	1	ND	1	ND	1	ND	1
Xylene (o)		<4.3	**2.56**	1	**2.56**	1	**2.65**	1	**1.48**	1
Propylene		NA	**27.2**	1	ND	1	**76.4**	1	**2.73**	1
sec-Butylbenzene			ND	1	ND	1	ND	1	ND	1
Styrene		<1.0	ND	1	ND	1	ND	1	ND	1
Tetrachloroethene	100		**17.5**	0.25	**16.9**	0.25	**0.813**	0.25	**0.542**	0.25
Tetrahydrofuran		NA	**2.48**	1	**1.38**	1	**2.27**	1	**4.83**	1
Toluene		1.0 - 6.1	**4.29**	1	**19.3**	1	**3.73**	1	**4.07**	1
trans-1,2-Dichloroethene		NA	ND	1	ND	1	ND	1	ND	1
trans-1,3-Dichloropropene		NA	ND	1	ND	1	ND	1	ND	1
Trichloroethene	5	<1.7	**0.43**	0.25	ND	0.25	ND	0.25	ND	0.25
Trichlorofluoromethane		NA	**1.35**	1	**1.12**	1	**1.24**	1	**2.08**	1
Trichlorotrifluoroethane			ND	1	ND	1	ND	1	ND	1
Vinyl Chloride		<1.0	ND	0.25	ND	0.25	ND	0.25	ND	0.25
BTEX			**12.71**		**32.48**		**15.31**		**10.89**	
Total VOCs			**198.08**		**120.71**		**269.84**		**179.72**	

Notes:
NA No guidance value or standard available
(a) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October 2006. New York State Department of Health.
(b) NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005, Summary of Background Levels for Selected Compounds (NYSDOH Database, Outdoor values)
Value detected above NYSDOH Air Guidance Value of 5 µg/m3, which according to Soil Vapor/Indoor Air Matrix 1 would require at a minimum, monitoring.

FIGURES



USGS Brooklyn Quadrangle 1995, Contour Interval = 10 feet

EBC
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Fax 631.924.2780

85-89 4TH AVENUE
BROOKLYN, NY

FIGURE 1 SITE LOCATION MAP

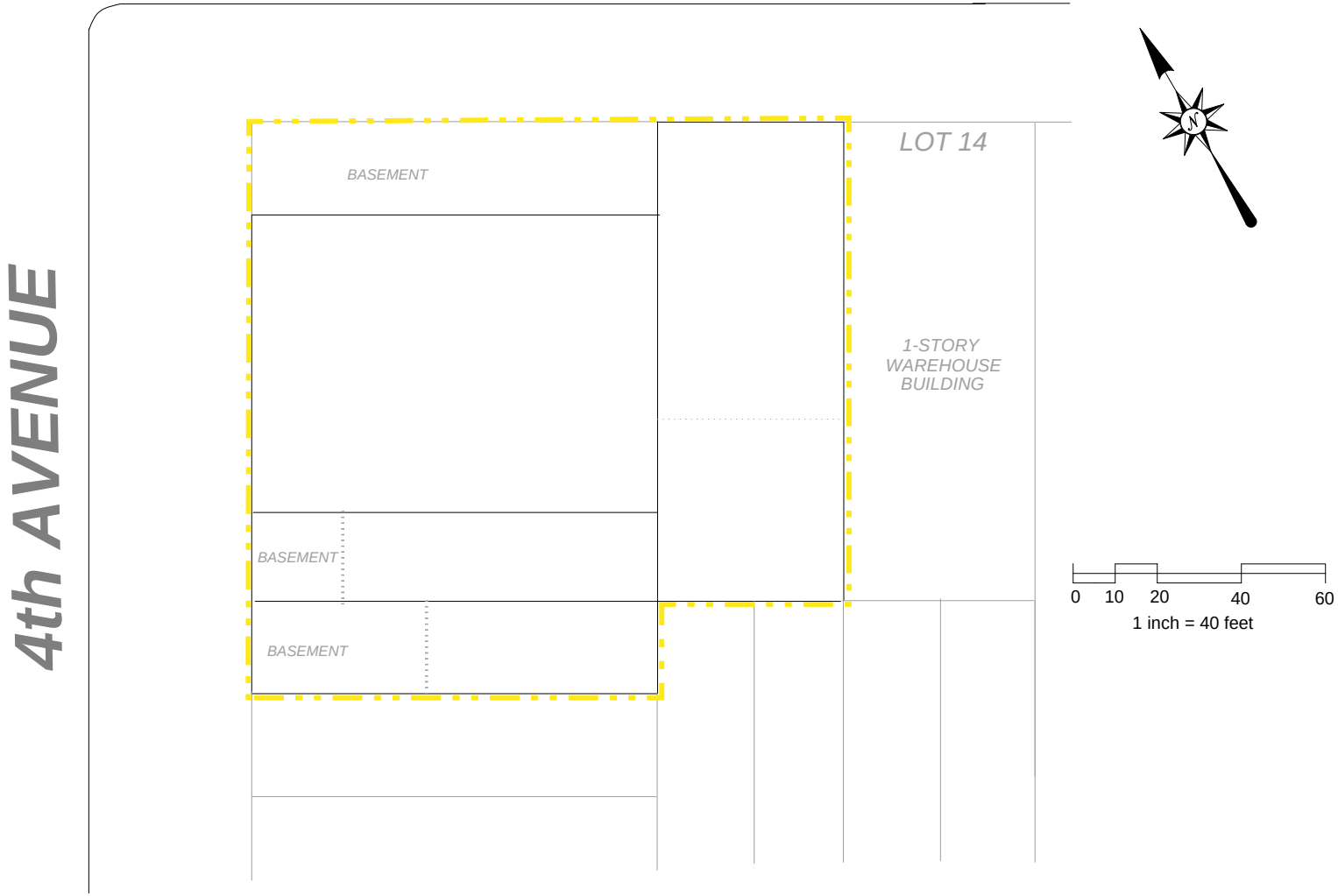

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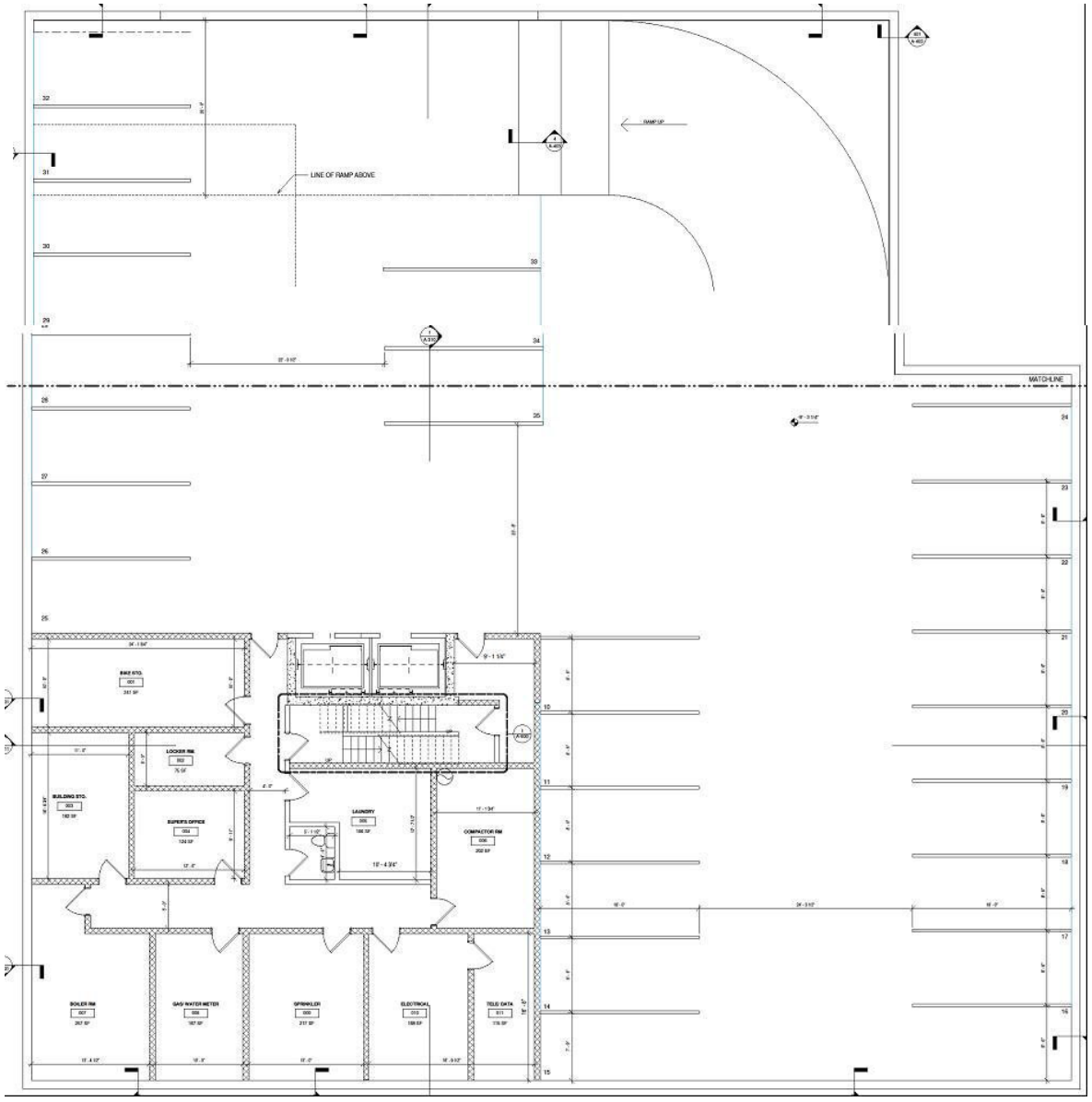
Figure No. 2

Site Name: REDEVELOPMENT PROJECT
Site Address: 85 TO 89 4TH AVENUE, BROOKLYN, NY
Drawing Title: SITE PLAN

St. MARKS PLACE



4th AVENUE

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ENVIRONMENTAL BUSINESS CONSULTANTS
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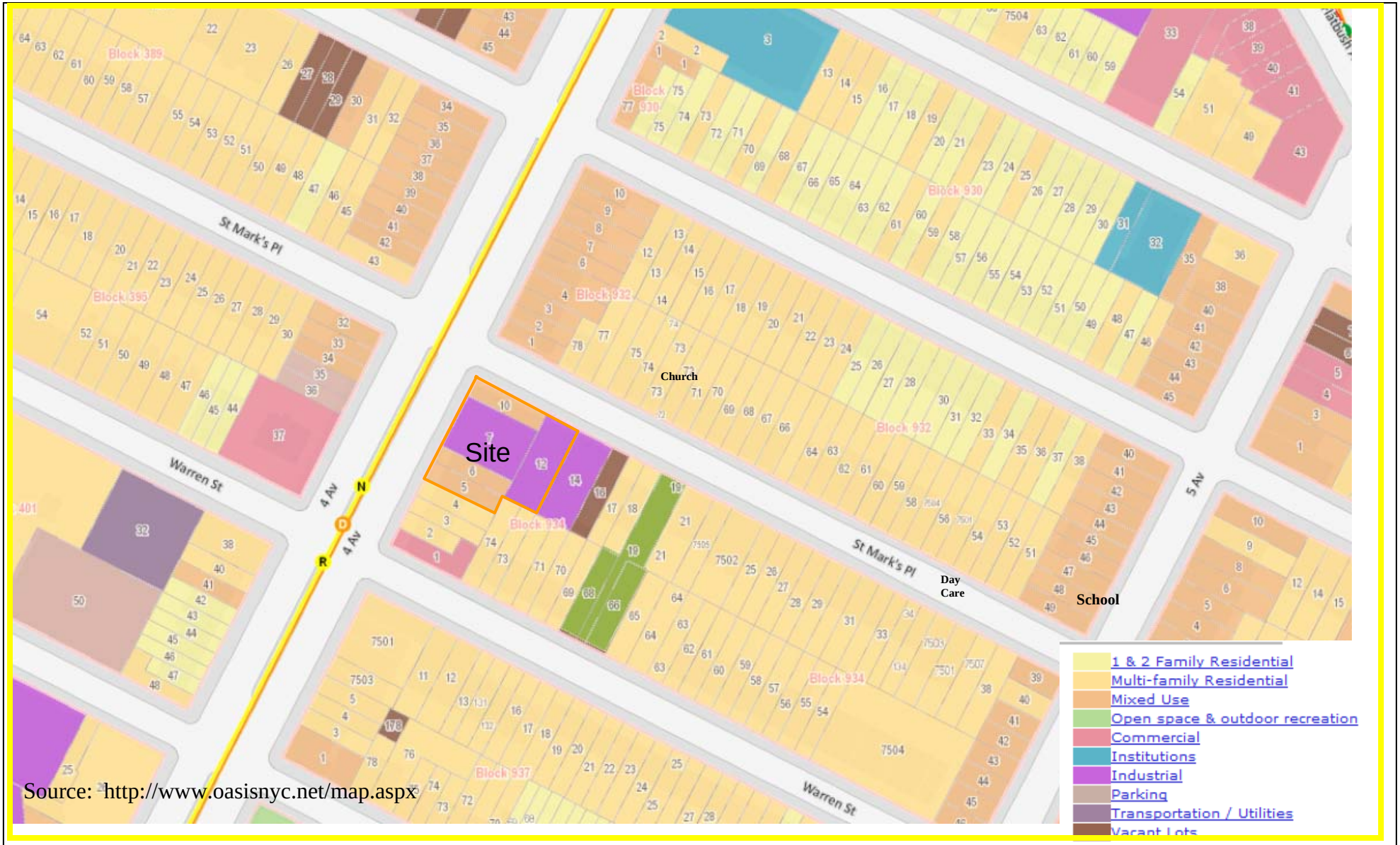
Site Name:	REDEVELOPMENT PROJECT
Site Address:	85 TO 89 4TH AVENUE, BROOKLYN, NY
Drawing Title:	REDEVELOPMENT PLAN

FIGURE 3



Source: http://www.oasisnyc.net/map.aspx

FIGURE 4
SURROUNDING LAND USE MAP

85-89 4th AVENUE, BROOKLYN, NY
REMEDIAL INVESTIGATION REPORT

EBC
ENVIRONMENTAL BUSINESSS CONSULTANTS
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Scale:

0 10 20 40 60

1 inch = 40 feet

Key:

- Groundwater Sampling Location
- Soil Boring Location
- Soil Gas Location

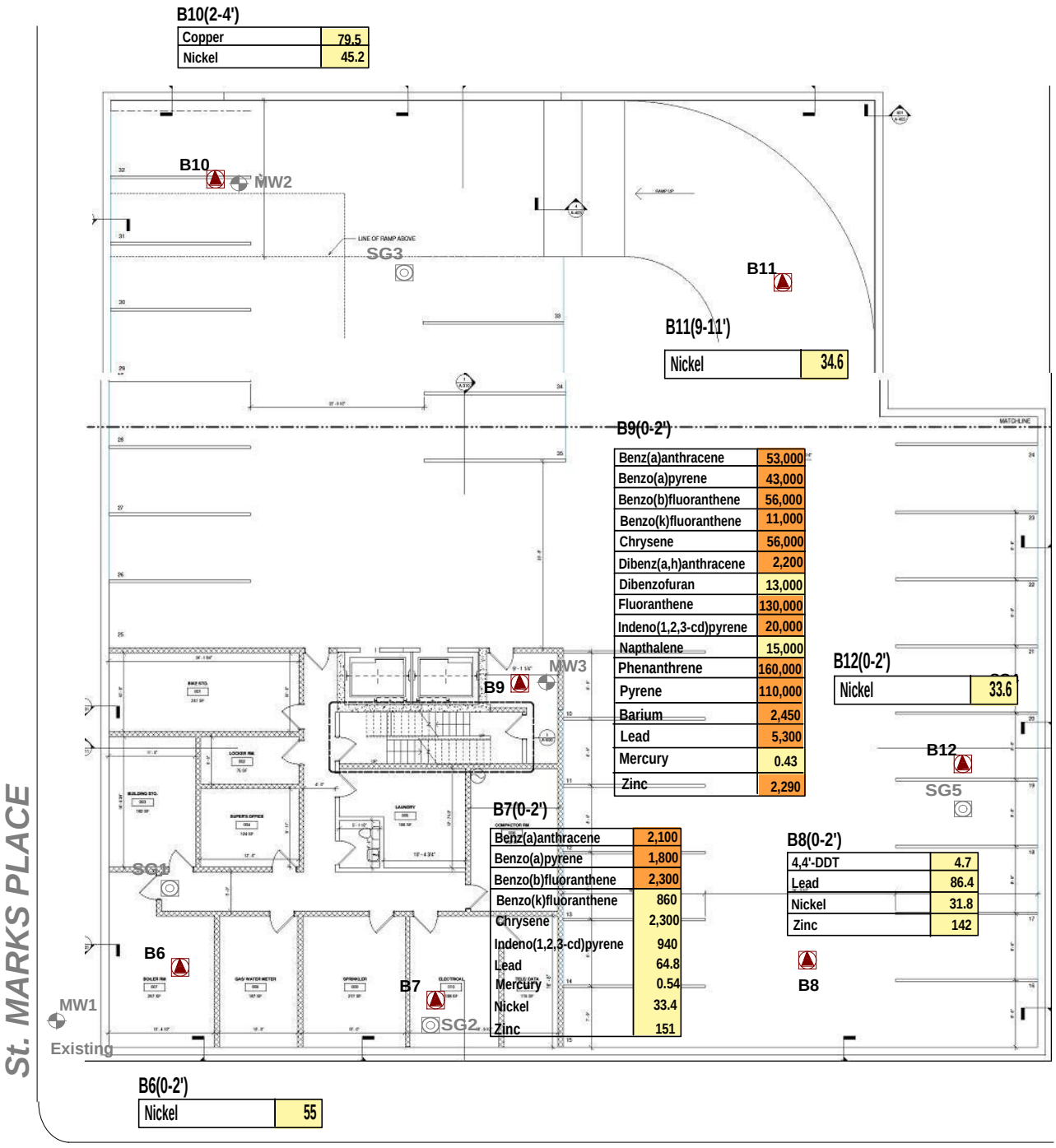
EBC
Environmental Business Consultants
Phone 631.504.6000
Fax 631. 924 .2870

Site Name: Redevelopment Project

Site Address: 85 to 89 4th Avenue, Brooklyn, NY

Drawing Title: Sample Location Map

FIGURE 5



Scale:

0 10 20 40 60

1 inch = 40 feet

Key:

- Groundwater Sampling Location
- Soil Boring Location
- Soil Gas Location

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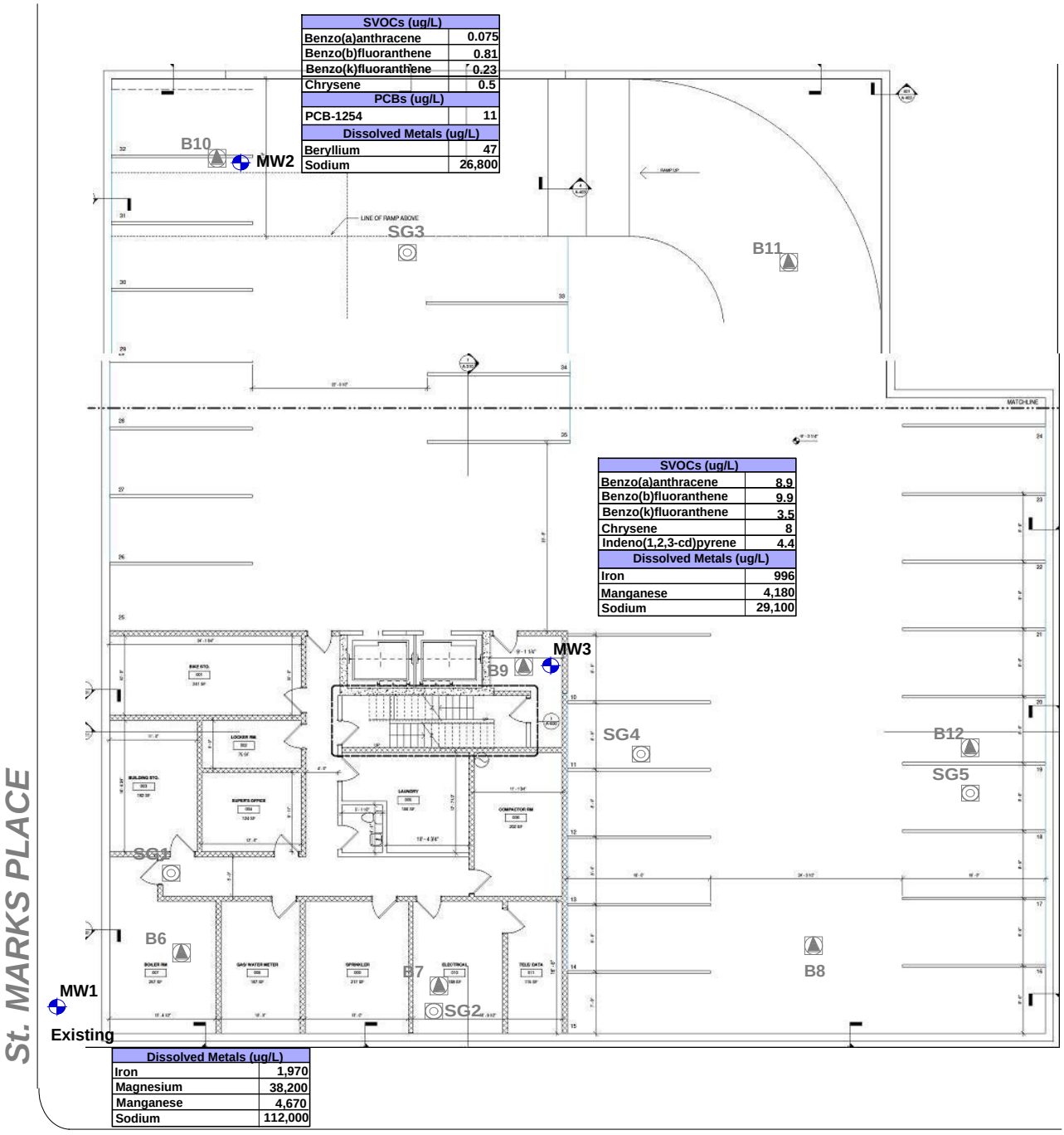
Site Name:	REDEVELOPMENT PROJECT
Site Address:	85 TO 89 4TH AVENUE, BROOKLYN, NY
Drawing Title:	SOIL EXCEEDENCES

FIGURE 6



Scale:

0 10 20 40 60

1 inch = 40 feet

Key:

- Groundwater Sampling Location
- Soil Boring Location
- Soil Gas Location

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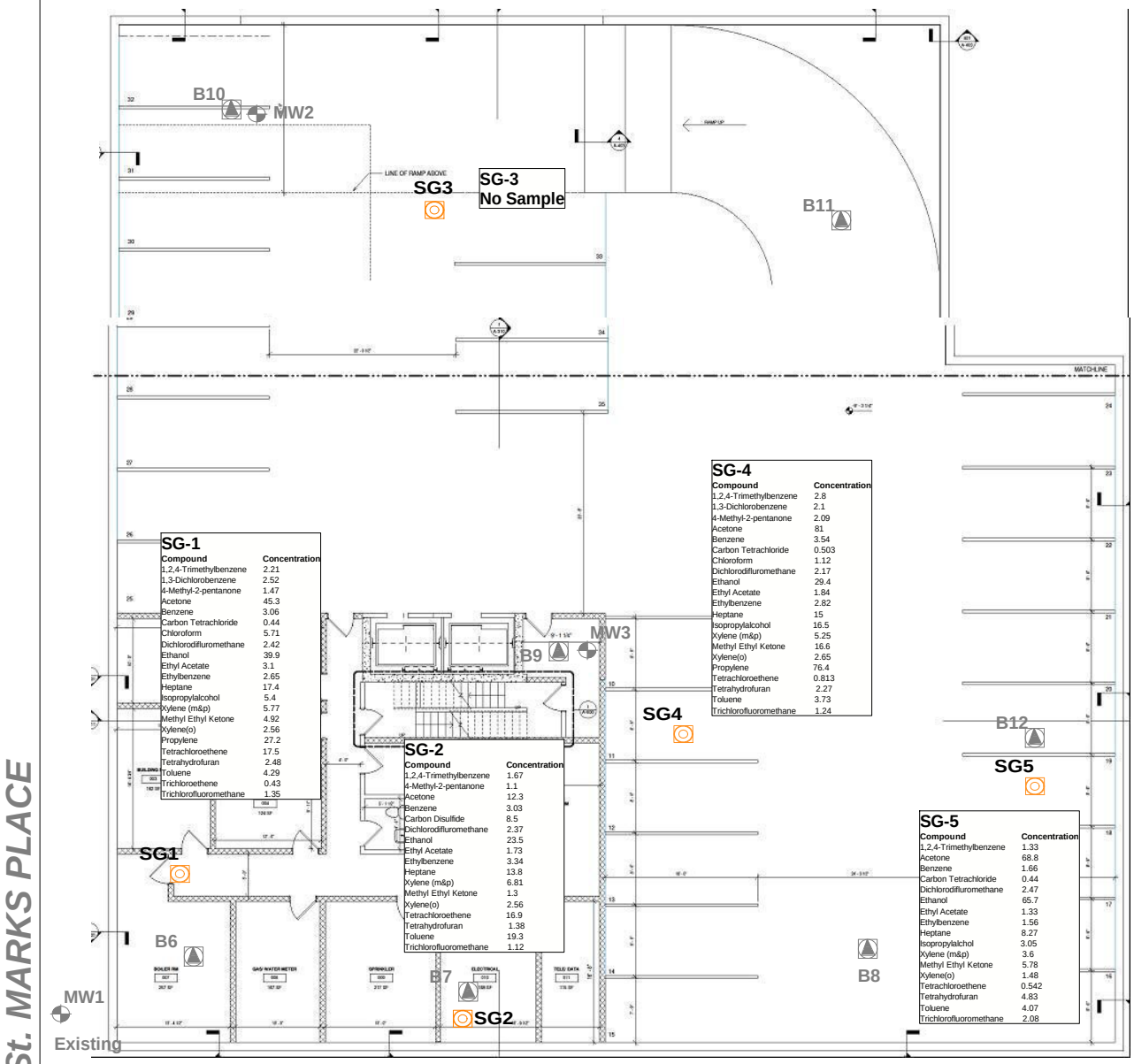
Site Name: REDEVELOPMENT PROJECT

Site Address: 85 TO 89 4TH AVENUE, BROOKLYN, NY

Drawing Title: GROUNDWATER EXCEEDENCES

FIGURE 7



Scale:

0 10 20 40 60

1 inch = 40 feet

Key:

- Groundwater Sampling Location
- Soil Boring Location
- Soil Gas Location

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Site Name: REDEVELOPMENT PROJECT

Site Address: 85 TO 89 4TH AVENUE, BROOKLYN, NY

Drawing Title: SOIL VAPOR DETECTIONS

FIGURE 8

APPENDIX A
PHASE I REPORT

PHASE I
ENVIRONMENTAL SITE ASSESSMENT REPORT

April 5, 2011

85, 87, and 89 4th Avenue
80 St. Marks Place
Brooklyn, New York 11217

EBC Project No: HCO1101

Block 934, Lots 5, 6, 7 and 12

Prepared for:

Mel Firer
Hershko Construction
348 13th Street
Suite 205
Brooklyn, NY 11215

ENVIRONMENTAL BUSINESS CONSULTANTS

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

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EXECUTIVE SUMMARY

Environmental Business Consultants (EBC) prepared this Phase I Environmental Site Assessment (ESA) for the following properties on behalf of Hersko Construction: 85 4th Avenue, 87 4th Avenue, 89 4th Avenue, and 80 St. Marks Place, Brooklyn, New York 11217. The purpose of the Phase I ESA was to identify and evaluate the presence of recognized environmental conditions at the subject site. Recognized environmental conditions are the presence or likely presence of any hazardous substance or petroleum product under conditions that indicate an existing release, a past release or material threat of a release of any hazardous substance or petroleum product into structures on the property or into the ground, groundwater or surface water of the property.

The work was conducted in accordance with the American Society for Testing and Materials (ASTM) Standard E 1527-05 (Standard Practices for Environmental Site Assessment: Phase I Environmental Site Assessment Process), 40 CFR Part 312 (Standards and Practices for All Appropriate Inquiry; Final Rule), and EBC's proposal for services.

The subject site consists of four adjacent properties: 85 4th Avenue, 87 4th Avenue, 89 4th Avenue and 80 St. Marks Place, Brooklyn, New York 11217. The subject site located in the City of New York and Borough of Brooklyn (Kings County) and is identified as Block 934, Lots 5, 6, 7 and 12. The four adjacent lots comprising the subject site are located on the southeast corner of the intersection 4th Avenue and St. Marks Place.

- 85 4th Avenue (Block 934, Lot 7) – The lot consists of 60 feet of frontage on 4th Avenue and is approximately 82.17 feet deep for a total of approximately 4,930.2 square feet (0.11 acres). The property is owned by St. Marks - 4th Avenue Realty. The lot is developed with a 2-story brick building. Entrance to the building is provided from 4th Avenue via a steel rollup gate and 3 steel doors. Signage on the building indicates that the property is used for a window and door business and lumber business. The interior of the building is set up for storage and sales of lumber and building materials. A small area in the front corner of the building is set up as sales office space and an area in the rear of the building is set up for display of tools and smaller items. The remaining portions of the building consist of wooden racks for storage of lumber from ground floor to the ceiling of the building. Doors in the rear of the building provide access

to the other portions of the lumber business which extended into all of Lot 12, the first floor of Lot 5 and a portion of the rear of the first floor of Lot 6.

- 87 4th Avenue (Block 934, Lot 6) – The lot has 20 feet of frontage on 4th Avenue. and is approximately 82.17 feet deep for a total of approximately 1,643 square feet (0.037 acres). The property is owned by St. Marks - 4th Avenue Realty Corp. The lot is developed with a 4-story brick building. Signage on the front of building indicates that first floor of the building is utilized as a tire repair shop. The second, third and fourth floors of the building are utilized as apartments.

- 89 4th Avenue (Block 934, Lot 5) – The lot has approximately 20 feet of frontage on 4th Ave. and is approximately 82.17 feet deep for a total of approximately 1,643 square feet (0.037 acres). The property is owned by St Marks - 4th Avenue Realty. The lot is developed with a 4-story brick building. Entrance to the building is provided from 4th Avenue via a steel rollup gate and 3 steel doors. Signage on the building indicates the second floor is or was recently a as office space for an attorney. The third and fourth floors of the building are utilized as apartments.

- 80 St Marks Place (Block 934, Lot 12) – The lot has 40 feet of frontage on St. Marks Place and is approximately 100 feet deep for a total of approximately 4,000 square feet (0.091 acres). The property is owned by St. Marks - 4th Avenue Realty Corp. Developed with a 1-story brick building. Entrance to the building is provided from St. Marks Place via 2 steel rollup gates and 3 steel doors. Signage on the building indicates that the property was recently used for a lumber and building supply business.

Historical information (DOB records, Sanborn Maps and City Directory listings) reviewed for the subject site identified the subject site as first being developed prior to 1887 with numerous 3 story, residential row houses (with basements) that occupied the front half of the lot. A rear empty yard was located behind each of the row houses.

According to Sanborn maps and DOB records, the residential row houses at 81 and 83 4th Avenue were demolished in 1943. Building permits were issued for a new building in 1953 and a Certificate of

Occupancy was issued for the new building in 1958. The 1965 Sanborn Map shows the two vacant lots, as well as 85 4th Avenue, as redeveloped with a 2 story concrete block building, utilized as for lumber storage. City directory listings available from the 1960's through current state the property was utilized primarily by Modern Way Lumber Co.

In 1971, the two residential row houses on St. Marks Place (80 and 82 St. Marks Place) were torn down and the property was redeveloped with the 2-story concrete block warehouse that currently occupies the site. Lots 12 and 13 were joined at that time to form the current Lot 12.

The two residential buildings located at 87 and 89 4th Avenue were built prior to the 1880s, and historic use of the buildings has been primarily residential. However, City Directory listings for the two properties have noted several real estate companies and attorneys offices. The first floor of 87 4th Avenue has also been used as a tire repair facility.

RECOGNIZED ENVIROMENTAL CONDITIONS

Based upon reconnaissance of the subject and surrounding properties, interviews and review of historical records and regulatory agency databases, ***no recognized environmental conditions were noted for the subject site***.

ENVIRONMENTAL ISSUES

- The subject site has been assigned an E-designation for Hazmat (Underground Gasoline Storage Tanks Testing Protocol) as part of the Park Slope North Rezoning enacted in April of 1993 (CEQR No. 90-254K). An E-designation does not interfere with the present use of the site, however E-designations do prevent the release of building permits subject to a detailed environmental review and release by the NYC Office of Environmental Remediation. Such release may require a full subsurface investigation, remedial and health and safety planning, implementation of a remedial program and documentation that the remedial program was completed during redevelopment of the property. It should be noted that if redevelopment plans for multiple lots include a lot labeled "E" by the Department of Buildings, all other lots part of the redevelopment plan are designated with an "E" and are subject to the same

requirements assigned to an "E" designated site. Therefore, Lots 5, 7 and 12 are subject to the restrictions applied to an "E" site.

Additional information regarding "E" sites can be found on the New York City Office of Environmental Remediation website: http://www.nyc.gov/html/oer/html/e_designation/e_designation.shtml.

The following de minimis conditions were identified:

- Potential for lead based paint based on the age of the structures.
- Potential for asbestos containing materials based on the age of the structures – Asbestos pipe insulation was observed within several of the buildings.

A de minimus condition is one that generally does not represent a risk of harm to the public health and the environment and that generally would not be subject to an enforcement action if brought to the attention of an appropriate governmental authority.

Based on the quantity of suspected asbestos containing material observed by EBC, it is assumed that this project would be classified as No.3 above. This will require an inspection by a NYC – Certified asbestos inspector and filing of form ACP-5 with the NYCDEP.

1.0 INTRODUCTION

1.1 Purpose

Environmental Business Consultants (EBC) prepared this Phase I Environmental Site Assessment (ESA) for the following properties on behalf of Hersko Construction: 85 4th Avenue, 87 4th Avenue, 89 4th Avenue and 80 St. Marks Place, Brooklyn, New York 11217 (**Figure 1**). The purpose of the Phase I ESA was to identify and evaluate the presence of recognized environmental conditions at the subject site. Recognized environmental conditions are the presence or likely presence of any hazardous substance or petroleum product under conditions that indicate an existing release, a past release or material threat of a release of any hazardous substance or petroleum product into structures on the property or into the ground, groundwater or surface water of the property.

1.2 Scope of Services

The assessment consisted of a visual inspection of the site and surrounding areas, interviews, a review of historical information and maps, and a review of pertinent local, state, federal and facility records. Environmental Data Resources (EDR) of Southport, Connecticut, provided the following information: a computerized database search of environmental compliance records of sites within an ASTM standard radius of the property, a Sanborn fire insurance map search, and a historical telephone directory search.

EBC reviewed the environmental database report compiled by EDR as a part of the assessment. The purpose of the review was to identify reported listings for the subject site or other properties in the site vicinity. Databases reviewed included federal and state lists of known or suspected contaminated sites, lists of known handlers or generators of hazardous waste, lists of known waste disposal facilities, and lists of aboveground and underground storage tanks (ASTs and USTs). EBC's review of the database has been incorporated into this report along with a copy of the EDR report.

The work was conducted in accordance with the American Society for Testing and Materials (ASTM) Standard E 1527-05 (Standard Practices for Environmental Site Assessment: Phase I Environmental Site Assessment Process), 40 CFR Part 312 (Standards and Practices for All Appropriate Inquiry; Final Rule), Freddie Mac requirements and EBC's proposal for services.

1.3 Significant Assumptions

EBC has made the following assumptions in the preparation of this report:

1. Groundwater – The depth to groundwater at the subject site is approximately 15-17 feet below grade and flows towards the northwest or west.
2. Regulatory Records Information – EBC assumes that all information provided by EDR regarding the regulatory status of facilities within the ASTM Standard approximate minimum search distance is complete, accurate and current.
3. Other - EBC assumes that all information provided through interviews is complete and unbiased.

1.4 Limitations and Exceptions

The conclusions presented in this report are professional opinions based on the data described in this report. These opinions have been arrived at in accordance with currently accepted engineering and hydrogeologic standards and practices applicable to this location, and are subject to the following inherent limitations:

1. The data presented in this report are from visual inspections, examination of records in the public domain, and interviews with individuals having information about the site. The passage of time, manifestation of latent conditions, or occurrence of future events may require further exploration of the site, analysis of data, and re-evaluation of the findings, observations, and conclusions presented in this report.
2. The data reported and the findings, observations, and conclusions expressed are limited by the scope of work. The scope of work was defined by the request of the client.
3. No warranty or guarantee, whether expressed or implied, is made with respect to the data reported, findings, observations, or conclusions. These are based solely upon site conditions in existence at the time of the investigation, and other information obtained and reviewed by EBC.
4. EBC's Phase I ESA report presents professional opinions and findings of a scientific and technical nature. While attempts were made to relate the data and findings to applicable environmental laws and regulations, the report shall not be construed to offer legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, or

regulations, or policies of federal, state, or local government agencies. EBC does not assume liability for financial or other losses or subsequent damage caused by or related to any use of this document.

5. The conclusions presented in this report are professional opinions based on data described in this report. They are intended only for the purpose, site location, and project indicated. This report is not a definitive study of contamination at the site and should not be interpreted as such.
6. This report is based, in part, on information supplied to EBC by third-party sources. While efforts have been made to substantiate this third-party information, EBC cannot attest to the completeness or accuracy of information provided by others.

1.5 Special Terms and Conditions

Authorization to perform this assessment was given by a proposal for services between Hersko Construction.

1.6 User Reliance

This report was prepared for the exclusive use of Hersko Construction; no other party may use the report without the written authority of EBC.

2.0 PROPERTY DESCRIPTION AND PHYSICAL SETTING

2.1 Location and Legal Description

The subject site consists of four adjacent properties: 85 4th Avenue, 87 4th Avenue, 89 4th Avenue and 80 St. Marks Place, Brooklyn, New York 11217. The subject site located in the City of New York and Borough of Brooklyn (Kings County) as shown in **Figure 1**. An aerial photo of the subject sites and surrounding properties are provided as **Figure 3.** The subject site is identified as Block 934, Lots 5, 6, 7 and 12 (**Figures 2A** and **2B**). The four adjacent lots comprising the subject site are located on the southeast corner of the intersection 4th Avenue and St. Marks Place.

- 85 4th Avenue (Block 934, Lot 7) – The lot consists of 60 feet of frontage on 4th Avenue and is approximately 82.17 feet deep for a total of approximately 4,930.2 square feet (0.11 acres). The property is owned by St. Marks - 4th Avenue Realty.

- 87 4th Avenue (Block 934, Lot 6) – The lot has 20 feet of frontage on 4th Avenue. and is approximately 82.17 feet deep for a total of approximately 1,643 square feet (0.037 acres). The property is owned by St. Marks - 4th Avenue Realty Corp.

- 89 4th Avenue (Block 934, Lot 5) – The lot has approximately 20 feet of frontage on 4th Ave. and is approximately 82.17 feet deep for a total of approximately 1,643 square feet (0.037 acres). The property is owned by St Marks - 4th Avenue Realty.

- 80 St Marks Place (Block 934, Lot 12) – The lot has 40 feet of frontage on St. Marks Place and is approximately 100 feet deep for a total of approximately 4,000 square feet (0.091 acres). The property is owned by St. Marks - 4th Avenue Realty Corp.

A copy of the deed for each property (if available) is attached in **Appendix B**.

2.2 Site Characteristics

The subject site consists of four separate lots, each developed with one building. A description of each building is provided below.

- 85 4th Avenue – Developed with a 2-story brick building. Entrance to the building is provided from 4th Avenue via a steel rollup gate and 3 steel doors. Signage on the building indicates that the property is used for a window and door business and lumber business.

- 87 4th Avenue – Developed with a 4-story brick building. Entrance to the building is provided from 4th Avenue by a wood door. Signage on the front of building indicates that first floor of the building was recently utilized as a tire repair shop. The second, third and fourth floors of the building are utilized as apartments.

- 89 4th Avenue – Developed with a 4-story brick building. Entrance to the building is provided from 4th Avenue via a steel rollup gate and 3 steel doors. Signage on the building indicates that the second floor is or was recently used as office space by an attorney. The third and fourth floors of the building are utilized as apartments.

- 80 St Marks Place – Developed with a 1-story brick building. Entrance to the building is provided from St. Marks Place via 4 steel rollup gates and 3 steel doors. Signage on the building indicates that the property was recently used by a lumber and building supply company.

Photos of the exterior and interior of the buildings are attached in **Appendix A**.

2.2.1 Utilities

Electric service for each building is provided by Con-Edison, potable water is supplied by the New York City Department of Environmental Protection (NYCDEP) and sanitary wastes for the buildings are discharged to the municipal sewer system. Heat for each of the buildings was provided by gas-fired furnaces and/or ceiling suspended gas-fired space heaters.

2.3 Physical Setting

The elevation of the property is approximately 29 feet above the National Geodetic Vertical Datum (NGVD). The topography in the immediate area of the property generally slopes downward to the north.

2.3.1 Surface Water

The nearest body of water to the subject site is the Gowanus Canal, which is located approximately 0.38 miles to the west.

2.3.2 Groundwater

The depth to groundwater beneath the site as inferred from available groundwater maps and topographic elevation is approximately 15-17 feet below grade. Based on regional groundwater contour maps groundwater flow is expected to be northwest toward the East River. No public water supply well fields are identified in the EDR report within a one-mile radius of the subject property.

2.3.3 Radon Risk Evaluation

Radon is a colorless, radioactive; inert gas formed by the decay of radium and may be present in soils and rocks containing granite, shale, phosphate and pitchblende. The USEPA's "Map of Radon Zones for New York State", September 1993 indicates that Kings County is not a radon risk area. The EDR report provides information from the New York State Department of Health radon survey which indicates that 100% of those sites tested in Kings County were below the United States Environmental Protection Agency (USEPA) radon action level of 4 Pico curies per liter (pCi/L) in the living area.

3.0 PROPERTY USAGE

3.1 Current Property Usage

At the time of the inspection, the lumber yard was vacant/abandoned. For Sale and For Lease signs were posted on the front exterior of 85 4th Avenue. The former Modern Way Lumber company consisted of the entire 2-story warehouse building located on Lot 7, the entire 2-story warehouse building located on Lot 12, the entire first floor of the 4-story building located on Lot 5 and a portion of the rear of the first floor of the 4-story building located on Lot 6. Signs on the front of the first floor of Lot 6 (87 4th Avenue) stated the building was recently utilized as a tire repair/flat fix shop, but at the time of the inspection the courtyard and first floor were vacant.

EBC noted tenants entering and exiting the residential units located on the upper floors of Lot 5 (89 4th Avenue) and Lot 6 (87 4th Avenue), but an inspection of the residential units was not conducted.

A review of New York City Department of Buildings (NYCDOB) records and the NYC Department of City Planning Zoning map indicates that each of the four lots comprising the subject site are zoned R8A with a C2-4 commercial overlay (**Figure 4**).

3.2 Current Usage of Adjoining/Surrounding Properties

A summary of the uses of the surrounding/adjacent properties is described below. Photos of the exterior of adjacent properties are attached in **Appendix A**.

Surrounding Property Usage

Direction	Property Description
North	Block 934, Lot 10 (79 4th Avenue and 68-78 St Marks Place) Developed with a 4-story mixed residential and commercial brick building. Property is on the southeast corner of 4th Avenue and St Marks Place. Entrance to the property is provided from 4th Avenue via a glass door and on St Marks Place via a glass door and driveway. Signage on the front indicates the commercial space is used for a Laundromat. Currently developed with first floor commercial use and upper floors residential use. Built in 1920. Owned by St Marks Realty Co. Block 932, Lot 78 (77 St. Marks Place) Developed with a 3-story residential multi-family walk-up building. Entrance to property is provided from St Marks Place. Built in 1910. Owned by Sheng Ye.

	Block 932, Lot 77 (79 St. Marks Place) Developed with a 3-story residential multi-family walk-up building. Entrance to property is provided from St Marks Place. Built in 1910. Owned by 81 St Marks Associate. Block 932, Lot 7503 (81 St. Marks Place) Developed with a 4-story residential multi-family walk-up building. Entrance to property is provided from St Marks Place. Built in 2005.
South	Block 934, Lot 4 (91 4th Avenue) Developed with a 1,643 square foot, 4-story brick residential multi-family walk-up. Entrance to the property is provided from 4th Avenue. Owned by Zacharil Torres. Built prior to 1888. Block 934, Lot 73 (609 Warren Street) Developed with a 4,000 square foot, 3-story brick residential multi-family walk-up building. Entrance to the property is provided from Warren Street. Built prior to 1888. Owned by David Gordon.
East	Block 934, Lot 14 (84 St Marks Place) Developed with a 4,000 square foot, 1-story industrial/manufacturing building. Signage on the property indicates it is used for a lumber and building business. Entrance to the property is provided from St Marks Place. Owned by St Marks - 4th Avenue Realty. Block 934 Lot 74 (607 Warren St.) Developed with a 4,000 square foot, 3-story brick residential multi-family walk-up building. Entrance to the property is provided from Warren Street. Built prior to 1888. Owned by Charles Quimby.
West	Block 395, Lot 32 (86 4th Avenue and 60-66 St Marks Place) Developed on the southwest corner of 4th Avenue and St Marks Place, with a 1,600 square feet mixed residential and commercial 4-story building. Signage on the building indicates the commercial space is used by a Laundromat. Entrance to the property is provided from 4th Avenue and St Marks Place. Owned by Montoya Diosmira. Block 395, Lot 33 (88 4th Avenue) Developed with a 1,600 square feet mixed residential and commercial 3-story brick building. Signage on the building indicates the commercial space is used for a check chasing store. Owned by Victor Santiago. Block 395 Lot 34 (88A 4th Avenue) Developed with a 1,574 square feet mixed residential commercial 3-story brick building. Signage on the building indicates the commercial space is used by a car and limo business. Owned by Amin Ghassan. Block 395 Lot 35 (90 4th Avenue) Undeveloped 1,573 square feet parking lot. Owned by 94 4th Avenue Coop C/O P.

3.3 Historical Usage of Subject site and Surrounding Properties

Historical sources researched to determine past usage of the subject site and surrounding properties are as follows:

Sanborn Fire Insurance Maps - Sanborn fire insurance maps for the subject site and surrounding area were reviewed for the years 1887, 1905, 1916, 1942, 1951, 1965, 1978, 1979, 1982, 1983, 1986, 1987, 1988, 1989, 1991, 1992, 1993, 1995, 1996, 2001, 2002, 2003, 2004, 2005, 2006 and 2007. The review is summarized in Section 3.3.1 and 3.3.2. Copies of Sanborn maps are included as **Appendix C**.

City Directory Abstract - A directory of historical telephone listings at the subject site and surrounding properties were reviewed from approximately five year intervals for the years spanning 1928 through 2005. The review is summarized in Sections 3.3.2 below. A copy of the City Directory is included in **Appendix D**.

3.3.1 Sanborn Fire Insurance Maps - Subject site and Adjacent Properties

The historical usage of the subject site and adjacent properties, identified through Sanborn map review, is summarized below.

1888

Subject Site:

- Lot 7 (85 4th Avenue) – Developed with three separate three story residential buildings (row houses). The buildings are labeled as 81 4th Avenue, 83 4th Avenue and 85 4th Avenue. A small rear yard is located behind each of the three buildings.
- Lot 6 (87 4th Avenue) – Developed with one three story residential building (row house) and labeled as 87 4th Avenue. A small rear yard is located behind the row house.
- Lot 5 (89 4th Avenue) – Developed with one three story residential building (row house) and labeled as 89 4th Avenue. A small rear yard is located behind the row house.
- Lot 12 (80 and 82 St. Marks Place) – Developed with two, three story residential buildings (row houses) and labeled as 374 St. Marks Place and 376 St. Marks Place. A small rear yard is located behind the row house.

Adjacent properties:

North

- 79 4th Avenue – Developed with a three story residential building labeled as having a first floor

store. A small rear yard is located behind the residential building.

- 355 St. Marks Place (aka 77 4th Avenue) to 367 St Marks Place (located on opposite side of St. Marks Place) – Developed with multiple 3 or 4-story residential buildings. The corner lot is labeled as having a first floor store. Residential buildings on St. Marks Place have small rear yards behind the row houses.

West

- 86 4th Avenue to 96 4th Avenue (opposite side of 4th Avenue) – Developed with a multiple 3-story residential buildings, some labeled as having a first floor store.

South

- 91 4th Avenue – Developed with a three-story residential building (row house). A small rear yard is located behind the row house.
- 607 and 609 Warren Street – Both properties are developed with a three-story residential building (row house). A small rear yard is located behind each row house.

East

- 84 and 86 St. Marks Place – Both properties are developed with a three-story residential building (row house). A small rear yard is located behind each row house. The house numbers are listed as 378 and 380 St. Marks Place.

1906

No significant changes were noted on the 1906 Sanborn map compared to the 1888 Sanborn map for the subject site or adjacent properties. However, it should be noted that the subject site row houses have been labeled as having a basement.

Subject Site:

- Lot 12 (80 and 82 St. Marks Place) – The properties are each developed with 2 ½ story residential buildings and both have a basement. The house numbers are no longer listed as 374 and 376 St. Marks Place.

Adjacent properties:

East

- 80 and 82 St. Marks Place – The properties are each developed with 2 ½ story residential buildings and both have a basement. The house numbers are no longer listed as 378 and 380 St. Marks Place.

1926

No significant changes were noted on the 1926 Sanborn map compared to the 1906 Sanborn map for the subject site or adjacent properties.

1951

Subject Site:

- Lot 7 (85 4th Avenue) – Formerly consisted of three separate three story residential buildings (row houses). The 1951 Sanborn map depicts 81 4th Avenue and 83 4th Avenue as undeveloped lots. However, the residential building occupying 85 4th Avenue remains unchanged.

No other significant changes were noted on the 1951 Sanborn map when compared to the 1926 Sanborn map for the subject site or adjacent properties.

1965

Subject Site:

- Lot 7 (85 4th Avenue) – All three properties (81 4th Avenue, 83 4th Avenue and 85 4th Avenue) have all been combined and redeveloped with a two story building. The first floor is labeled as being used for lumber storage, and the second floor is labeled as manufacturing.

Adjacent properties:

West

- 86 4th Avenue to 96 4th Avenue (opposite side of 4th Avenue) – 88 4th Street is labeled as a three story dwelling, but the first floor is utilized for tire service. Both properties 90 and 92 4th Street are vacant, and 94 to 102 4th Street have combined to form a gas station.

No other significant changes were noted on the 1965 Sanborn map when compared to the 1951 Sanborn map for the subject site or adjacent properties.

1978-2007

Subject Site:

- Lot 12 (80 to 82 St. Marks Place) – Redeveloped with a 2 story concrete block warehouse building, labeled as being constructed in 1971.

Adjacent properties:

West

- 86 4th Avenue to 96 4th Avenue (opposite side of 4th Avenue) – The 1980 Sanborn map indicates the gas station located at 94 to 102 4th Street is now labeled only as an automotive repair facility.
- 86 4th Avenue to 96 4th Avenue (opposite side of 4th Avenue) – The 2001 Sanborn map indicates the site was redeveloped with a one-story commercial building (currently KFC fast food restaurant).

East

- 80 and 82 St. Marks Place – The 1982 Sanborn map shows the two properties were combined and redeveloped with a one-story concrete block warehouse building labeled as 86 St. Marks Place.

No other significant changes were noted for the subject site or adjacent properties on the 1978, 1979 and 1980 Sanborn maps when compared to the 1965 Sanborn map.

3.3.2 City Directory Listings - Subject site and Adjacent Properties

The historical usage of the subject site and adjacent properties, identified through Sanborn map review, is summarized below.

Subject Site:

- Lot 7
  - 81 4th Avenue – No listings
  - 83 4th Avenue – Residential listing (1928)
    Squicciarinni A & Son, Inc. Silk Ornaments (1949)
  - 85 4th Avenue – Residential listings (1934)
    Modern Way Lumber Company (1960, 65, 1970, 73, and 76, 1985, 1992, 97, 2005)
    Natl Payment Plan Div of Amer Honor Guild Inc. (1970, 1973)
    Sun Stop East Inc. (1976)
    Jamar Products (1976, 1985)
    Imperial Lumber Marts (1976, 1985, 1992)
- Lot 6
  - 87 4th Avenue – Residential Listings (1928, 1960, 1965, 1970, 1997, 2005)
    Apple Rent A Car (1985)
    Angelos Tire Repair (1985, 1992)
    Rodriguez Tire Shop (2005)
- Lot 5
  - 89 4th Avenue – Residential Listings (1928, 1934, 1945, 1949, 1965, 1970, 1973, 1976, 1980, 1985, 1992, 2005).
    Unity Real Estate (1997)
    Law Offices (2005)

Summary

Historical information (DOB records, Sanborn Maps and City Directory listings) reviewed for the subject site identified the subject site as first being developed prior to 1887 with numerous 3 story, residential row houses (with basements) that occupied the front half of the lot. A rear empty yard was located behind each of the row houses.

According to Sanborn maps and DOB records, the residential row houses at 81 and 83 4th Avenue were demolished in 1943. Building permits were issued for a new building in 1953 and a Certificate of Occupancy was issued for the new building in 1958. The 1965 Sanborn Map shows the two vacant

lots, as well as 85 4th Avenue, as redeveloped with a 2 story concrete block building, utilized as for lumber storage. City directory listings available from the 1960's through current state the property was utilized primarily by Modern Way Lumber Co.

In 1971, the two residential row houses on St. Marks Place (80 and 82 St. Marks Place) were torn down and the property was redeveloped with the 2-story concrete block warehouse that currently occupies the site. Lots 12 and 13 were joined at that time to form the current Lot 12.

The two residential buildings located at 87 and 89 4th Avenue were built prior to the 1880s, and historic use of the buildings has been primarily residential. However, City Directory listings for the two properties have noted several real estate companies and attorneys. The first floor of 87 4th Avenue has also been used as a tire repair facility.

4.0 USER PROVIDED INFORMATION

4.1 Title Records

As of the date of this report the user has not requested that EBC perform a title search.

4.2 Environmental Liens

An environmental lien is a charge, security or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup or other remediation of hazardous substances or petroleum products upon a property, including, but not limited to, liens imposed pursuant to CERCLA 42 USC § 9607 (1) & 9607(r) and similar state and local laws.

The user has not made EBC aware of any environmental liens against the subject site and has not requested that EBC perform an environmental lien search for the subject site.

4.3 Specialized Knowledge

The user has not made EBC aware of any specialized knowledge regarding the chemicals or processes formerly in use at the subject site or surrounding property.

4.4 Commonly Known or Reasonably Ascertainable Information

The user has not made EBC aware of any commonly known or reasonably ascertainable information regarding the past uses of the subject site, specific chemicals in use at the subject site or any spills, chemical releases or environmental cleanups at the subject site.

4.5 Valuation Reduction for Environmental Issues

The user has not made EBC aware of any valuation reduction regarding the sale price of the property.

4.6 Owner, Property Manager and Occupant Information

According to Office of City Register records, the current owner of each of the properties consisting of the subject site is the following: St. Marks - 4th Avenue Realty Corp.

4.7 Reason for Performing Phase I ESA

The Phase I ESA was performed to identify recognized environmental conditions at the subject site as part of the building renovations to be conducted at the site.

5.0 RECORDS REVIEW

5.1 Standard Environmental Record Sources

Environmental Data Resources (EDR) of Southport, Connecticut was retained to provide a computerized database search of the project area within an ASTM-standard radius of the subject site. A list of the databases searched and the search radius is shown on the summary table below. EBC reviewed the database output to determine if the property appears on any of the regulatory agency lists. Detailed information concerning each database list is provided in the EDR report (**Appendix E**). A summary of standard environmental record sources researched is as follows:

5.1.1 Federal Databases

The table below summarizes the Federal databases that were searched.

Federal Databases Searched

Agency	Listing Name or database Searched	Abbreviation	Search Distance
USEPA	National Priority List	NPL	1.0 mile
USEPA	National Priority List Deletions	Delisted NPL	0.5 mile
USEPA	Comprehensive Environmental Response Compensation and Liability Act Registry	CERCLIS	0.5 mile
USEPA	CERCLIS No Further Remedial Action Planned	CERCLIS-NFRAP	0.5 mile
USEPA	Resource Conservation and Recovery Act Corrective Action Activity	CORRACTS	1.0 mile
USEPA	Resource Conservation and Recovery Act Treatment/Storage/Disposal Facilities	RCRA TSD	0.5 mile
USEPA	Resource Conservation and Recovery Act Small/Large Quantity Hazardous Waste Generators	RCRA SQG/LQG	Subject site and Adjoining
USEPA	Federal Institutional/Engineering Control registries	US INST/ENG Controls	Subject site
USEPA	Emergency Response Notification System	ERNS	Subject site
USEPA	Superfund (CERCLA) Consent Decrees	CONSENT	1.0 mile
USEPA	Records of Decision	ROD	1.0 mile
USEPA	Mines Master Index	MINES	0.25 mile

Federal NPL List - The National Priority List (NPL) is the United States Environmental Protection Agency (EPA) database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the federal Superfund Program.

Findings: The subject site is not listed as an NPL facility. No NPL sites were identified within a 1-mile radius of the subject site.

Federal Delisted NPL List – NPL Delisted Sites are former NPL sites that have been remediated and removed from the EPA's priority list. Sites are deleted where the EPA has determined that no further response is appropriate.

Findings: The subject site is not identified as a Delisted NPL facility. There were no Delisted NPL sites identified within a ½ mile radius of the subject site.

Federal CERCLIS List - The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list is a compilation of sites that the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances.

Findings: The subject site is not listed as a CERCLIS facility. There are no CERCLIS sites identified within a ½ mile radius of the subject site.

Federal CERCLIS-NFRAP List – No Further Remedial Action Planned (NFRAP) sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL).

Findings: The subject site is not listed as a CERCLIS-NFRAP facility. There are no CERCLIS-NFRAP sites identified within a ½ mile radius of the subject site.

Federal RCRA CORRACTS List - The RCRA Corrective Actions (CORRACTS) database is the EPA's list of hazardous waste treatment, storage or disposal facilities subject to corrective action under RCRA.

Findings: The subject site is not listed as a RCRA CORRACTS facility. One RCRA CORRACTS sites was identified within a 1 mile radius of the subject site.

The Patterson Chemical Company, Inc. (102 3rd Street), is located approximately 3,800 feet west-southwest of the subject site. The facility is also listed within the RCRA Non-Gen, FINDS, and MANIFEST databases. The EPA ID No. for the facility is NYD980592471 and is listed as a General Warehousing and Storage or General Freight Trucking. However, due to the distance and location of the facility, it is not considered a significant concern for this assessment.

Federal RCRA Treatment, Storage and Disposal - The EPA Resource Conservation and Recovery Act (RCRA) program identifies reporting facilities that treat, store or dispose of hazardous waste.

Findings: The subject site is not listed as a RCRA TSD facility and no TSD facilities were identified within a ½ mile radius of the subject site.

Federal RCRA Generators - The RCRA Generators database is a compilation of reporting facilities that generate hazardous waste. A Small Quantity Generator (SQG) is a site which generate more than 100 and less than 1000 kg of hazardous waste during any one calendar month and accumulates less than 6000 kg of hazardous waste at any time; or a site which generates less than 100 kg of hazardous waste during any one calendar month and accumulates less than 1000 kg of hazardous waste at any time. Large Quantity Generators (LQG) generate more that 1000 kg of hazardous waste per month. Although a property may be identified as a generator of hazardous waste, it does not mean that this material has been released to the environment. RCRA Generators which have released hazardous materials are identified in the appropriate state or federal listing.

Findings: The subject site is not listed as a RCRA SQG, RCRA-CESQG, RCRA LQG or RCRA-NonGen facility. One RCRA-SQG and eight RCRA CESQG facilities were identified within a ½ mile radius of the subject site.

AY 195 Flatbush, LLC, is listed as a RCRA-SQG. The facility is located at 195 Flatbush Avenue, Brooklyn, New York (approximately 1,100 feet east of the subject site). The

facility is also listed within the FINDS, UST and Hist UST databases. Due to the distance of the facility and absence of inclusion within a database which would indicate a spill or release had occurred at the facility, it is not considered a significant environmental concern for this assessment.

The EDR report for each of the remaining 8 CESQG facilities was reviewed. Due to the distance and/or location of each of the CESQG facilities, none are considered a significant environmental concern for this assessment.

Federal Institutional/Engineering Controls – Federal Institutional/Engineering Controls databases list sites with institutional/engineering controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Findings: No Federal Institutional/Engineering Controls were listed for the subject site and no sites were identified within a ½ mile radius of the subject site.

Federal Emergency Response Notification System - The Emergency Response Notification System (ERNS) is national database used collect information on reported releases of oil or hazardous substances.

Findings: The subject site and adjacent properties were not identified in the ERNS databases.

Federal Superfund Consent Decrees - The Superfund Consent Decrees (CONSENT) list identifies major legal settlements that establish responsibility and standards for cleanup at NPL sites.

Findings: Neither the subject site nor any property within one mile of the subject site is identified in the CONSENT databases.

Federal Records of Decision - Record of Decision (ROD) documents mandate a permanent remedy at

an NPL site containing technical and health information to aid in the cleanup.

Findings: Neither the subject site nor any property within one mile of the subject site is identified a ROD site.

Federal Master Mines Index - The Master Mines Index (MINES) file contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Findings: Neither the subject site nor any property within ¼ mile of the subject site is listed in the MINES database.

5.1.2 New York State Databases

The table below summarizes the State databases that were searched.

New York State Databases Searched

Agency	Listing Name or database Searched	Abbreviation	Search Distance
NYSDEC	Inactive Hazardous Waste Disposal Sites in New York State	SHWS	1.0 mile
NYSDEC	Hazardous Substance Waste Disposal Site Study	HSWDS	0.5 mile
NYSDEC	Solid Waste Facility Register	SWF	0.5 mile
NYSDEC	Registered Recycling Facilities	SWRCY	0.5 mile
NYSDEC	Registered Waste Tire Storage Facilities	SWTIRE	0.5 mile
NYSDEC	Leaking Underground Storage Tank Sites	LTANKS	0.5 mile
NYSDEC	Petroleum Bulk Storage (PBS)	UST/AST	Subject site and Adjoining
NYSDEC	Chemical Bulk Storage (CBS)	CBS AST/UST	Subject site and Adjoining
NYSDEC	Institutional/Engineering Control registries	INST/ENG Controls	Subject site
NYSDEC	Voluntary Cleanup Agreements	VCP	0.5 mile
NYSDEC	Brownfield sites	Brownfields	0.5 mile
NYSDEC	Major Oil Storage Facilities	MOSF	0.5 mile
NYSDEC	New York State Spills	NYSPILLS	0.125 mile
NYSDEC	Dry Cleaner Site	Drycleaners	0.25 mile

NYS Inactive Hazardous Waste Disposal Sites - The New York State Department of Environmental Conservation (NYSDEC) maintains a state priority list of Inactive Hazardous Waste Disposal Sites (SHWS) considered to be actually or potentially contaminated and presenting a possible threat to human health and the environment. Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance/waste sites.

Findings: The subject site is not listed as a SHW site. No SHW sites were identified within a 1 mile radius of the subject site.

NYS Hazardous Substance Waste Disposal Site Study - The Hazardous Substance Waste Disposal Site Study (HSWDS) list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the HSWDS registry and non-registry sites that EPA Preliminary Assessment reports or Site Investigation reports were prepared.

Findings: The subject site is not listed as a HSWD site. No HSWDS sites were identified within a ½ mile radius of the subject site.

NYS Landfill - The NYSDEC Solid Waste Facility Register records contain an inventory of solid waste disposal facilities or landfills in New York State.

Findings: The subject site is not listed as a landfill. However, five SWF/LF facilities were identified within a ½ mile radius of the subject site.

Baltic Recycling Corp.is located at 524-526 Baltic Street, which is approximately 1,200 feet west of the subject site. The facility is an inactive transfer station. The facility is not listed in any other database which would indicate a spill/release or remedial action has occurred at the site.

Rinaldi Recycling Co. is located at 182 4th Street, which is approximately 1,200 south-southwest of the subject site. The facility is an inactive facility that recycled/processes

regulated medical waste. The facility is not listed in any other database which would indicate a spill/release or remedial action has occurred at the site.

Pronto Demolition Corp. is a registered construction and demolition processing facility. The facility is located at 73 Provost Street, which is approximately 2,500 feet east of the subject site. The facility is not listed in any other database which would indicate a spill/release or remedial action has occurred at the site.

Cross Bay Contracting is an inactive transfer station. The facility is located at 242 Nevins Street, which is approximately 1,700 feet west of the subject site. The facility is not listed in any other database which would indicate a spill/release or remedial action has occurred at the site.

Royal Recycling Corp. is also located at 242 Nevins Street. The inactive facility accepted construction and demolition (C&D) debris for processing. The facility is not listed in any other database which would indicate a spill/release or remedial action has occurred at the site.

Basin Haulage Inc. is an inactive C&D processing facility. The facility is located at 462-470 Baltic Street, which is approximately 1,900 feet west-nrothweast of the subject site. The facility is not listed in any other database which would indicate a spill/release or remedial action has occurred at the site.

None of the facilities are considered a significant concern for this assessment due to their distance, location and/or absence from a database which would indicate a spill/release or need for remedial action.

NYS Registered Recycling Facilities - The Registered Recycling Facilities List (SWRCY) is a NYSDEC list of recycling facilities.

Findings: The subject site is not listed as a SWRCY site. One SWRCY site was identified within a ½ mile radius of the subject site. The Rinaldi Recycling Co. facility is located at 326 Douglas

Street, which is located approximately 1,200 feet southwest of the subject site. The facility separated solid waste recyclables, but is listed as inactive. Due to the distance of the recycling facility from the subject site, it is not considered a significant concern for this assessment.

NYS Registered Waste Tire Storage Facilities - The Registered Recycling Facilities List (SWTIRE) is a NYSDEC list of Registered Waste Tire Storage & Facility List.

Findings: The subject site is not listed as a SWTIRE site. There were no SWTIRE sites identified within a ½ mile radius of the subject site.

NYS Leaking Underground Storage Tank Sites - The Leaking Underground Storage Tank Sites (LTANKS) database contains a NYSDEC inventory of reported leaking storage tank incidents. 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.

Findings: The subject site is not identified as a LTANKS site. However, 57 LTANK and 39 Historical LTANK sites were identified within ½ mile of the subject site. All of the LTANK spill numbers have been closed by the NYSDEC. Several Hist LTANK spill numbers were not closed, but upon further review of information provided within the EDR report, none were considered to be a significant concern for this assessment.

Spill Number 0003201 describes a spill that occurred at a former gas station located on the opposite side of 4th Avenue (currently KFC). The Spill Number was closed following soil and groundwater sampling conducted at the site. The closed spill number for the property located at 90 4th Avenue is not considered a significant concern for this assessment.

A second spill of note (9505523) occurred at 124 4th Street, which is approximately 450 feet southwest of the subject site. Numerous groundwater monitoring wells have been installed and gasoline (free phase hydrocarbons) have been found to be greater than a foot in thickness. However, due to the location of the spill (down gradient, assuming groundwater

flow to the northwest, west or southwest) it is not considered a significant concern for this assessment.

NYS Petroleum Bulk Storage - The NYSDEC Petroleum Bulk Storage - Underground Tanks (UST) database lists facilities with a petroleum storage capacity of more than 1,100 gallons and less than 400,000 gallons. The NYSDEC Petroleum Bulk Storage - Aboveground Tanks (AST) database lists facilities with registered above ground storage tanks.

Findings: The subject site is not listed as a UST, Hist UST, AST or Hist AST site. However, 16 UST sites, 14 HIST UST sites, and 14 AST sites are registered within a ¼ mile radius of the subject site. Properties with registered ASTs or USTs do not necessarily pose a hazard unless the tanks are leaking or a spill occurs. Most tanks in the area hold home heating oil for on-site boilers and furnaces. Sites with leaking tanks or spills are addressed in the appropriate section.

NYS Chemical Bulk Storage - The Chemical Bulk Storage (CBS) database is a NYSDEC list of facilities that store regulated hazardous substances in aboveground tanks (AST) with capacities of 185 gallons or greater or underground tanks (UST) of any size.

Findings: The subject site is not identified as a CBS facility. No CBS UST or CBS AST facilities were identified with a ¼ mile radius of the subject site.

NYS Institutional/Engineering Controls – NYSDEC list of Environmental Remediation sites with Institutional or Engineering Controls in place.

Findings: Neither the subject site nor any site within a ½ mile of the subject site was identified in the NYSDEC Institutional/Engineering Controls databases.

NYS Voluntary Cleanup Agreements - The NYSDEC Voluntary Cleanup Program (VCP) database identifies hazardous waste sites undergoing private sector cleanup as part of redevelopment.

Findings: The subject property was not identified as a VCP site. No VCP sites were identified within a ½ mile radius of the subject site.

NYS Brownfields - A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Findings: The subject site was not identified as a Brownfield, however, one property located at 29 Flatbush Avenue was listed within the Brownfields database within ½ mile of the subject site. However, the BCP application was denied by NYSDEC as onsite contamination was limited to low sporadic hits of lead and SVOCs typical of urban fill. Due to the distance of the site, and the limited onsite contamination, the site is not considered a significant concern for this assessment.

NYS Major Oil Storage Facilities - The NYSDEC Major Oil Storage Facilities (MOSF) database lists facilities or vessels with a petroleum storage capacity of more than 400,000 gallons.

Findings: The subject site was not identified as an MOSF. One MOSF UST was identified within ½ mile of the subject site. The Bayside Fuel Oil Depot Corp. (510 Sackett Street) facility is located approximately 2,400 feet west-southwest of the subject site. The facility was administratively closed by the NYSDEC. Based on DEC site closure and the distance and location of the facility from the subject site, it is not considered a significant concern for this assessment.

NYS Spills - The New York State Spills Information Database (NY SPILLS) contains data collected on chemical and petroleum spill incidents reported to NYSDEC since April 1, 1986.

Findings: The subject site is not listed within either NY SPILLS or NY Hist SPILLS databases. However, 10 spill sites and 6 historical spill sites identified within $^{1}/_{8}$ mile of the subject site. Each of the spills has been closed by the NYSDEC. Based on the decision of the NYSDEC to close the spill sites, none are considered to be a significant concern for this assessment. Two spills within close proximity are discussed in further detail above within Section LTANKS.

Drycleaner Sites - The NYSDEC maintains a listing of all registered drycleaners. Drycleaner sites do not necessarily pose a hazard unless a spill occurs. Sites at which spills have been identified are addressed in the appropriate section.

Findings: The subject site is not identified as drycleaner. Three drycleaners were identified within ¼ mile of the site.

Cristallo Drycleaners is located at 64 4th Avenue, which is approximately 350 feet north-northeast of the subject site. No violations were noted within the EDR Report, and the facility is not included within a database which would indicate a release/spill has occurred, and is therefore not considered a significant environmental concern for this assessment.

Economy Cleaners is a listed as a Perc drycleaner, at 123 5th Avenue, which is approximately 1,000 feet south-southeast of the subject site. The facility is also listed within the FINDS, MANIFEST and LTANKS databases. However, the spill associated with the LTANK listing references a leak from a #2 fuel oil tank which has been properly cleaned up. Due to the location and distance of the drycleaner, it is not considered a significant concern for this assessment.

Fashion Cleaners was a former drycleaning operation located at 118 Third Avenue, which is approximately 780 feet west-northwest of the subject site. The drycleaner is also listed within the FINDS and MANIFESTS databases. No violations were listed for the facility. Due to the location and distance of the drycleaner, it is not considered a significant concern for this assessment.

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

Findings: The subject property is not listed as a MANIFEST site. However, 38 manifest sites were identified within a ¼ mile radius of the subject site. Since none of the manifest sites are either adjacent to the subject site and/or do not appear in other EDR databases which would indicate a release has occurred, they are not considered to be a significant concern for this

assessment. Facilities that may appear in an EDR Database which would indicate a release has occurred are discussed under the appropriate headings.

NYS Manufactured Gas Plants - Manufactured gas plants (MGP) were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar, sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Findings: The subject site is not identified as an MGP site. However, three MGP sites were identified within 1 mile of the subject site.

The Fulton Works MGP is listed twice within the EDR Radius Map Report. The MGP site was located at Degraw Street and Nevins Street, which is approximately 1,800 west-southwest of the subject site. No additional information regarding the Fulton Works MGP site was provided. However, due to the distance and location of the MGP site, it is not considered a significant concern for this assessment.

The former Citizen Gas Works MGP Site was located at Carol, 5th Street and Smith Street, which is approximately 4,800 feet west-northwest of the subject site. No additional information regarding the Fulton Works MGP site was provided. However, due to the distance and location of the MGP site, it is not considered a significant concern for this assessment.

5.2 Additional Environmental Record Sources

5.2.1 Local Agency Review

A Freedom of Information Act (FOIA) request was sent to the New York City Department of Health (NYCDOH) for information regarding hazardous operations including the registration of fuel storage tanks, past spills, or violations. As of the date of this report, a response had not been received for the

FOIA request. Regulatory agencies usually take six to eight weeks to process FOIA requests. Any pertinent information received will be reviewed and forwarded upon receipt. Copies of FOIA requests and regulatory agency responses are included in **Appendix B**.

In addition, a tank request form was submitted to the City of New York Fire Department to obtain certified reports outlining information regarding any listed tank information held in FDNY District Office Folders and computer files. As of the date of this report, a response had not been received. Any pertinent information received will be reviewed and forwarded upon receipt. A copy of the tank request form forwarded to the City of New York Fire Department is included in **Appendix B**.

The NYC OASIS Interactive Maps (http://www.oasisnyc.net/map.aspx) were reviewed to obtain a New York City Department of Buildings Property Profile Overview for the four lots comprising the subject site. Information available on the interactive website include historic Certificate of Occupancies, boiler records and DEP Boiler Information, records of complaints and both DOB and ECB violations, site restriction status (such as little "E", TA, UB, or SRO restrictions), additional DCB addresses, as well as job filings and permits. Information from the website has been attached in **Appendix B**. The information is summarized briefly below.

Lot 12 (80 St. Marks Place) – Zoned R8A with a C2-4 commercial overlay. Currently developed with a 6,000 square foot, one-story building built in 1971. No restrictions are listed. The Department of Finance Building Classification is E9-Warehouse. Three Certificates of Occupancy were provided for the lot. One of the three does not correspond with this property and was likely misfiled by DOB. The oldest CO (1957) describes a three-story, four family dwelling consisting of both a basement and a cellar on Lot 12. Previously, Lot 12 and Lot 13 were two separate lots. However, Lot 12 and Lot 13 have been joined to form one single lot (Lot 12). No CO was available for Lot 13. The CO notes Fire Department approval for fuel oil use. The most recent CO (1972) for Lot 12 (reflects joining of Lot 12 and Lot 13) notes a one-story (25ft high) building with a mezzanine level. Use of the mezzanine was limited to office and display area, and the first floor use was limited to storage of lumber and lumber cutting.

Lot 7 (85 4th Avenue) – Zoned R8A with a C2-4 commercial overlay. Currently developed with a 9,600 square foot, two-story building, listed as being built in 1920. No restrictions are listed. The Department of Finance Building Classification is E9-Warehouse. Two Certificates of Occupancy were provided for the lot. The oldest CO (dated 1957) describes a two-story (28' 9" high) building constructed in 1954. Use of the first floor (ground level) was limited to storage of building materials, and the second floor was limited to factory space for sewing of wearing apparel. The second CO (dated 1997) for Lot 7 notes the same building, but adds a mezzanine level for use as office space. Actions listed by the DOB include a permit for building demolition in 1943, and new building notifications for 1953 and 1954. Violations include descriptions of sleeping (illegal apartment) and schooling quarters on the second floor of the building in the 1990's.

Lot 6 (87 4th Avenue) – Zoned R8A with a C2-4 commercial overlay. Currently developed with a 3,500 square foot, four-story building, listed as being built prior to 1899. *No restrictions are listed, with the exception of a Hazmat Little "E" Restriction*. The Department of Finance Building Classification is S2-Residence-Multi-U. The Certificates of Occupancy provided for the lot (dated 1982) describes a three-story building with both a basement and cellar. The cellar is listed as the boiler room, and the basement is used as a retail store. The first, second and third floors are used as residential space for two families. Complaints and building applications note the basement (ground level) floor space was utilized as a tire repair shop. Inspections performed by DOB noted tires stored floor to ceiling. Complaints noted the repair work was conducted on the sidewalk immediately in front of the building.

Lot 5 (89 4th Avenue) – Zoned R8A with a C2-4 commercial overlay. Currently developed with a 6,300 square foot, four-story building, listed as being built prior to 1899. No restrictions are listed. The Department of Finance Building Classification is S9-Residence-Multi-U. The Certificates of Occupancy provided for the lot (dated 1982) describes a four-story building with both a basement and cellar. The cellar is listed as ordinary, and the basement is used for storage of building materials. The first floor is listed as office space used in conjunction with the basement use. The second and third floors are used as residential space for two families. The CO

notes Fire Department approval for fuel oil use. A complaint investigated by DOB in 1990 noted the first floor of the building was used as a Social Club.

Lot 6 was noted as having a Hazmat little "E" restriction. No other restrictions were listed for the subject site. The subject site has been assigned an E-designation (E-42) for Hazmat (Underground Gasoline Storage Tanks Testing Protocol) as part of the Park Slope North Rezoning enacted in April of 1993 (CEQR No. 90-254K). Additional information regarding "E" sites can be found on the New York City Office of Environmental Remediation website: http://www.nyc.gov/html/oer/html/e_designation/e_designation.shtml.

6.0 SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

Mr. Kevin Brussee of EBC performed the site inspection on Thursday, March 24, 2011, beginning at approximately 1:00 pm. The reconnaissance included a visual inspection of both the interior and exterior of the subject site buildings, the sidewalk immediately in front of the buildings and the exterior of adjacent properties. Access to the interior of the buildings was provided by Mr. Jeb Hollingsworth of Marcus & Millichap, Real Estate Investment Services (seller's broker).

Access to the interior of 87 4th Avenue (former Tire Repair Shop) could not be provided at the time of the inspection. A steel roll-up gate was locked and the property was vacant. Mr. Hollingsworth did not have a key to the building at the time of the inspection. In addition, EBC was not able to access the roof for inspection for any of the four buildings.

Mr. Kevin Waters of EBC conducted a follow-up inspection on Wednesday, March 30, 2011, to inspect the interior of 87 4th Avenue (former Tire Repair Shop). Mr. Hollingsworth provided access to the interior.

6.2 Exterior Observations

Lot 5 (89 4th Avenue) – The entire footprint of the property was developed with a 4-story brick row house. The street front portion of the building consisted of only 2 floors, but the rear portion consisted of four floors.

The first floor of the building consists solely of a large steel roll-up gate which provides access to the interior of the indoor lumberyard that extends through to the rest of the lots. A steel vent pipe was observed on the south side of the roll-up gate, extruding from the front brick wall of the building at approximately 5 feet off the ground. A fill pipe was observed immediately below the vent pipe, immediately behind a small piece of chain link fence that is utilized for storage of garbage cans. The fill pipe was located in the sidewalk, but both the fill and vent pipes are believed to be connected to a 275-gallon steel aboveground storage tank located in the cellar.

The front facing portion of the second floor was finished with a stone exterior, covering the brick wall behind it. The third and fourth floors appeared to be residential units, but access was not provided for inspection. Signage on the front of the building noted the second floor is used by an attorney as office space (Anthony Onua).

Lot 6 (87 4th Avenue) – The property was developed with a 4-story brick row house. The building was not constructed at the front of the property, meaning a portion of the lot immediately in front of the house consisted of an small courtyard capped with concrete. However, a steel rollup gate was constructed at the edge of the sidewalk, creating the small concrete courtyard between the building and the sidewalk. Signage constructed on the steel rollup gate noted the property was previously utilized by Luna's Tire Shop, which performed flat fixes, installation of used tires and battery charging. The first floor of the building was painted bright red, but the 2nd, 3rd and 4th floors were unpainted brick. The third and fourth floors appeared to be residential units, but access was not provided for inspection.

The first floor of the building consists solely of a large steel roll-up gate which provides access to the interior of the indoor lumberyard that extends through to the rest of the lots. A steel vent pipe was observed on the south side of the roll-up gate, extruding from the front brick wall of the building at approximately 5 feet off the ground. A fill pipe was observed immediately below the vent pipe, immediately behind a small piece of chain link fence that is utilized for storage of garbage cans. The fill pipe was located in the sidewalk, but both the fill and vent pipes are believed to be connected to a 275-gallon steel aboveground storage tank located in the cellar.

Lot 7 (85 4th Avenue) – The entire footprint of the lot was developed with a 2-story warehouse building. The first floor exterior was finished with tan and brown stripe painted brick and the second floor exterior was finished with tan and brown stripe painted corrugated steel. Four steel doors, one glass double doorway and one steel rollup gate provide access to the interior of the building from 4th Avenue.

Signage on the front of the building noted the building was formerly utilized by Modern Way Lumber. Additional signage included Bonneville Windows and Doors, and numerous For Sale and For Lease signs.

Lot 12 (80 St. Marks Place) – The entire footprint of the lot was developed with a concrete block warehouse building. The majority of the building was 2-story but a small portion along the western edge was one-story. The front of the building was finished with tan painted brick on the first floor and unpainted brick on the second floor. Two steel rollup gates and one metal door provided access to the interior of the building.

Signage on the front of the building noted the property was utilized by Lumber & Building Supply, which sold masonry, roofing, beam, flooring, tools, hardware, paint and kitchen supplies.

Photos taken of the exterior of the buildings during the inspections are attached (**Appendix A)**.

6.3 Interior Observations

Lot 5 (89 4th Avenue) – The first floor of the building consists solely of a large steel roll-up gate which provides access to the interior of the indoor lumberyard that extends through to the rest of the lots. The interior of the first floor consisted of unfinished concrete floors, walls and ceiling. Woodworking machinery and wood/doors/windows were stored within the space. A small set of stairs provided access to a partial cellar. The cellar consisted of stone foundation walls and concrete floor. A steel 275-gallon aboveground storage tank was located in the southwest corner of the building. No pipes were connected to the tank which would indicate the tank was still in use. However, as previously noted, a fill and vent pipe connected to the tank ran upward through the ceiling, and are suspected to be connected to the fill and vent pipe noted on the front exterior of the building. An active gas-fired furnace and hot water heater were located in the cellar along the south cellar wall. In addition, three gas meters were observed.

The 3rd and 4th floors appeared to be residential units, but access was not provided for inspection.

Lot 6 (87 4th Avenue) – The 2nd, 3rd and 4th floors appeared to be residential units, but access was not provided for inspection. The first floor consisted of a small unfinished room consisting of bare concrete floors and walls. A small set of stairs provided access to a partial cellar. The cellar consisted of stone foundation walls and concrete floor. A steel 275-gallon aboveground storage tank was located in the southwest corner of the building. No pipes were connected to the tank which would indicate the tank was still in use. However, as previously noted, a fill and vent pipe connected to the tank ran upward through the ceiling, and are suspected to be connected to the fill and vent pipe noted on the front exterior of the building. Two active gas-fired furnaces and two hot water heaters were located in the cellar. In addition, two gas meters were observed.

Lot 7 (85 4th Avenue) – The interior of the warehouse building (Modern Way Lumber) consisted of a series of large wooden racks that extended from floor to ceiling of the 2-story building. The wooden racks were used for storage of lumber and wood trim, paneling, etc. and some building material was still left in place.

First and second floor finished office space was constructed in the northeast corner of the building. First floor space seemed to be set up as a sales floor for smaller woodworking tools, paint, brushes, etc., and the second floor appeared to be offices for salesmen/employees. The rear of the first floor was set up as a sales floor. The room was finished with brown vinyl floor tiles and glass display cases. Numerous small containers of paint, stains, spray paint, and other wood treating chemicals were noted within the building. A gas-fired boiler was observed along the northern wall of the building.

A small freight elevator was located against the back wall of the building. The elevator pit was constructed of a concrete floor. No elevator equipment was located in the pit.

A very thin hallway was constructed along the southern wall of the building. At the end of the hallway, a small kitchen area was constructed.

No basement or cellar was observed beneath the building.

Lot 12 (80 St. Marks Place) – The interior front portion of the 2-story building consisted of bare concrete block walls and concrete floor with a wood and metal mezzanine level constructed for storage of building materials. A small thin office space was constructed against the northern wall of the building. Miscellaneous building materials (doors, windows, wood, etc.) were stored on the floor throughout the space. The rear of the building had an additional level that was finished with suspended ceiling tiles, vinyl floor tile and sheet rock walls. The area appeared to be utilized for manufacturing. Several large pieces of machinery were stored within the upper level room. Access to the same elevator located in the rear of the building located at 85 4th Avenue, was also provided on this upper level located in the rear of the building located at 80 St. Marks Place. Ceiling suspended gas-fired space heaters provided heat for this space.

No basement or cellar was observed beneath the building.

Photos taken of the interior of the buildings during the inspections are attached (**Appendix A)**.

6.4 Aboveground Storage Tanks (AST)

One 275 gallon #2 fuel AST was observed within the cellar located at 89 4th Avenue. A fill pipe and vent pipe associated with the tank were also observed immediately in front of the building. The AST is no longer in use.

One 275 gallon #2 fuel AST was observed within the cellar located at 87 4th Avenue. A fill pipe and vent pipe associated with the tank were also observed immediately in front of the building. The AST is no longer in use.

No other ASTs or evidence of an AST was identified during the site inspection in any of the other buildings.

6.4 Underground Storage Tanks (UST)

No evidence indicating the presence of an underground storage tank was noted during the site inspection at any of the buildings.

6.5 Hazardous and Non-Hazardous Chemical Storage and Disposal

There was no evidence of bulk hazardous or non-hazardous chemical storage observed at the subject site at the time of the site inspection. However, numerous small containers of paint, naptha, spray paint, stains, etc. were observed within the lumber yard areas comprising 89 4th Avenue, 85 4th Avenue and 80 St. Marks Place.

6.6 Polychlorinated Biphenyls (PCBs)

No evidence of PCBs or PCB containing equipment was observed at the subject site at the time of the site inspection. An elevator was observed in the rear of the building located at 85 4th Avenue, but did not appear to be hydraulic. Elevator equipment is likely located on the roof, which was not accessed during the inspection.

6.7 Asbestos

Asbestos pipe insulation was observed within several of the buildings. However, as previously noted, the residential units of 87 and 89 4th Avenue were not inspected as part of this investigation. Based on the age of these buildings it is likely that asbestos containing material is present within the buildings in flooring, roofing or other areas.

6.8 Lead-Based Paint (LBP)

Based on the age of the buildings, it is unlikely that lead based paint is present within the building. The painted surfaces appeared to be in good condition, with no evidence of pealing, flaking or cracking. However, as previously noted, the residential units of 87 and 89 4th Avenue were not inspected as part of this investigation.

6.9 Mold

No mold, water damage or sources of mold were observed during the site inspection. However, as previously noted, the residential units of 87 and 89 4th Avenue were not inspected as part of this investigation.

7.0 INTERVIEWS

7.1 Owner

A brief email interview was conducted with Ms. Mary Jane D'Amato. According to Matthew Fotis of Marcus & Millichap, Ms. D'Amato is one of the owners of the property and Modern Way Lumber. A copy of the email response is provided in **Appendix F**. Ms. Amato stated the properties that make up the subject site have been family owned by St. Marks 4th Avenue Realty for 50 years. Ms. Amato stated an aboveground storage tank was located in 87 4th Avenue and in 89 4th Avenue, but stated no underground storage tanks are located at any of the properties that consist of the subject site. Ms. Amato stated all subject site buildings are heated with gas,

7.2 Occupants

At the time of the inspection, the building portion of the buildings formerly occupied by Modern Way Lumber was vacant. No commercial space appeared to be occupied. However, Mr. Brussee did notice several tenants exiting and entering the residential space above 87 and 89 4th Avenue. Mr. Brussee was unable to interview the residential tenants.

7.3 Local Government Officials

A Freedom of Information Act (FOIA) request was sent to the New York City Department of Health (NYCDOH) for information regarding hazardous operations including the registration of fuel storage tanks, past spills, or violations. As of the date of this report, a response had not been received for the FOIA request. Regulatory agencies usually take six to eight weeks to process FOIA requests. Any pertinent information received will be reviewed and forwarded upon receipt. Copies of FOIA requests and regulatory agency responses are included in **Appendix B**.

In addition, a tank request form was submitted to the City of New York Fire Department to obtain certified reports outlining information regarding any listed tank information held in FDNY District Office Folders and computer files. As of the date of this report, a response had not been received. Any pertinent information received will be reviewed and forwarded upon receipt. A copy of the tank request form forwarded to the City of New York Fire Department is included in **Appendix B**.

The NYC OASIS Interactive Maps (http://www.oasisnyc.net/map.aspx) were reviewed to obtain a New York City Department of Buildings Property Profile Overview for the four lots comprising the subject site. Information available on the interactive website include historic Certificate of Occupancies, boiler records and DEP Boiler Information, records of complaints and both DOB and ECB violations, site restriction status (such as little "E", TA, UB, or SRO restrictions), additional DCB addresses, as well as job filings and permits. Information from the website has been attached in **Appendix B**. The information is summarized briefly below.

Lot 12 (80 St. Marks Place) – Zoned R8A with a C2-4 commercial overlay. Currently developed with a 6,000 square foot, one-story building built in 1971. No restrictions are listed. The Department of Finance Building Classification is E9-Warehouse. Three Certificates of Occupancy were provided for the lot. One of the three does not correspond with this property and was likely misfiled by DOB. The oldest CO (1957) describes a three-story, four family dwelling consisting of both a basement and a cellar on Lot 12. Previously, Lot 12 and Lot 13 were two separate lots. However, Lot 12 and Lot 13 have been joined to form one single lot (Lot 12). No CO was available for Lot 13. The CO notes Fire Department approval for fuel oil use. The most recent CO (1972) for Lot 12 (reflects joining of Lot 12 and Lot 13) notes a one-story (25ft high) building with a mezzanine level. Use of the mezzanine was limited to office and display area, and the first floor use was limited to storage of lumber and lumber cutting.

Lot 7 (85 4th Avenue) – Zoned R8A with a C2-4 commercial overlay. Currently developed with a 9,600 square foot, two-story building, listed as being built in 1920. No restrictions are listed. The Department of Finance Building Classification is E9-Warehouse. Two Certificates of Occupancy were provided for the lot. The oldest CO (dated 1957) describes a two-story (28' 9" high) building constructed in 1954. Use of the first floor (ground level) was limited to storage of building materials, and the second floor was limited to factory space for sewing of wearing apparel. The second CO (dated 1997) for Lot 7 notes the same building, but adds a mezzanine level for use as office space. Actions listed by the DOB include a permit for building demolition in 1943, and new building notifications for 1953 and 1954. Violations include descriptions of sleeping (illegal apartment) and schooling quarters on the second floor of the building in the 1990's.

Lot 6 (87 4th Avenue) – Zoned R8A with a C2-4 commercial overlay. Currently developed with a 3,500 square foot, four-story building, listed as being built prior to 1899. *No restrictions are listed, with the exception of a Hazmat Little "E" Restriction*. The Department of Finance Building Classification is S2-Residence-Multi-U. The Certificates of Occupancy provided for the lot (dated 1982) describes a three-story building with both a basement and cellar. The cellar is listed as the boiler room, and the basement is used as a retail store. The first, second and third floors are used as residential space for two families. Complaints and building applications note the basement (ground level) floor space was utilized as a tire repair shop. Inspections performed by DOB noted tires stored floor to ceiling. Complaints noted the repair work was conducted on the sidewalk immediately in front of the building.

Lot 5 (89 4th Avenue) – Zoned R8A with a C2-4 commercial overlay. Currently developed with a 6,300 square foot, four-story building, listed as being built prior to 1899. No restrictions are listed. The Department of Finance Building Classification is S9-Residence-Multi-U. The Certificates of Occupancy provided for the lot (dated 1982) describes a four-story building with both a basement and cellar. The cellar is listed as ordinary, and the basement is used for storage of building materials. The first floor is listed as office space used in conjunction with the basement use. The second and third floors are used as residential space for two families. The CO notes Fire Department approval for fuel oil use. A complaint investigated by DOB in 1990 noted the first floor of the building was used as a Social Club.

Lot 6 was noted as having a Hazmat little "E" restriction. No other restrictions were listed for the subject site. The subject site has been assigned an E-designation (E-42) for Hazmat (Underground Gasoline Storage Tanks Testing Protocol) as part of the Park Slope North Rezoning enacted in April of 1993 (CEQR No. 90-254K). Additional information regarding "E" sites can be found on the New York City Office of Environmental Remediation website: http://www.nyc.gov/html/oer/html/e_designation/e_designation.shtml.

8.0 FINDINGS AND OPINIONS

Based upon reconnaissance of the subject and surrounding properties, interviews and review of historical records and regulatory agency databases, no recognized environmental conditions have been identified in connection with the subject site. However, Lot 6 (87 4th Avenue) of subject site has been assigned an E-designation (E-42) for Hazmat (Underground Gasoline Storage Tanks Testing Protocol) as part of the Park Slope North Rezoning enacted in April of 1993 (CEQR No. 90-254K). The remaining lots have not been assigned an "E" designation.

9.0 CONCLUSIONS AND RECOMMENDATIONS

EBC performed a Phase I Environmental Site Assessment in conformance with the scope and limitations as described under ASTM Practice E1527-05 for the property identified as Block 934, Lots 5, 6, 7 and 12 in Brooklyn, New York. Any exceptions to, or deletions from, this practice are described in **Section 1.4** of this report. *This assessment has revealed no recognized environmental conditions in connection with the subject site*.

ENVIRONMENTAL ISSUES

- The subject site has been assigned an E-designation for Hazmat (Underground Gasoline Storage Tanks Testing Protocol) as part of the Park Slope North Rezoning enacted in April of 1993 (CEQR No. 90-254K). An E-designation does not interfere with the present use of the site, however E-designations do prevent the release of building permits subject to a detailed environmental review and release by the NYC Office of Environmental Remediation. Such release may require a full subsurface investigation, remedial and health and safety planning, implementation of a remedial program and documentation that the remedial program was completed during redevelopment of the property. It should be noted that if redevelopment plans for multiple lots include a lot labeled "E" by the Department of Buildings, all other lots part of the redevelopment plan are designated with an "E" and are subject to the same requirements assigned to an "E" designated site. Therefore, Lots 5, 7 and 12 are subject to the restrictions applied to an "E" site.

  Additional information regarding "E" sites can be found on the New York City Office of Environmental Remediation website:
  http://www.nyc.gov/html/oer/html/e_designation/e_designation.shtml.

The following de minimis conditions were identified:

- Potential for lead based paint based on the age of the structures.
- Potential for asbestos containing materials based on the age of the structures – Asbestos pipe insulation was observed within several of the buildings.

A de minimus condition is one that generally does not represent a risk of harm to the public health and the environment and that generally would not be subject to an enforcement action if brought to the attention of an appropriate governmental authority.

Based on the quantity of suspected asbestos containing material observed by EBC, it is assumed that this project would be classified as No.3 above. This will require an inspection by a NYC – Certified asbestos inspector and filing of form ACP-5 with the NYCDEP.

10.0 DEVIATIONS

This Phase I ESA was conducted in accordance with the scope and limitations of the American Society for Testing and Materials (ASTM) Standard E 1527-05 (Standard Practices for Environmental Site Assessment: Phase I Environmental Site Assessment Process) an 40 CFR Part 312 (Standards and Practices for All Appropriate Inquiry; Final Rule). Excluding additional services outlined in Section 11.0, there were no deviations or deletions from this practice.

11.0 ADDITIONAL SERVICES

EBC has included, in addition to those items outlined by ASTM E 1527-05, a general evaluation of radon impact potential based on USEPA maps.

12.0 REFERENCES

Standard practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Standard E 1527-05

All Appropriate Inquiry, Final Rule, 40 CFR Part 312

13.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312. I have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the subject site. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312.

Kevin R. Brussee
Project Manager

QUALIFICATIONS OF
ENVIRONMENTAL PROFESSIONAL

EBC

ENVIRONMENTAL BUSINESSS CONSULTANTS

Kevin R. Brussee, Project Manager

Professional Experience
EBC: January 2008
Prior: 6 years

Education
MS, Environmental Studies, University of Massachusetts, Lowell
BS, Environmental Science, Plattsburgh State University, NY

Areas of Expertise
- Site Investigations
- NYSDEC Spill Closure
- Gasoline/Fuel Oil Tank Removals
- NYC "E" Designations

Professional Certification
- OSHA 40-hr HAZMAT

PROFILE

Mr. Brussee has 5 years experience as an environmental consultant/contractor and has worked on and managed a wide range of environmental projects. Mr. Brussee has conducted Phase I, II and III Environmental Site Assessments for commercial, industrial, and residential properties in New York, Maryland and Delaware.

Mr. Brussee's field experience includes tank removal and installations, spill management and closure, soil and groundwater sampling, and both the oversight and operation of soil boring and well installation equipment. In addition, Mr. Brussee has performed project research, data reduction and evaluation, and has prepared reports for both regulatory and client use.

PREVIOUS EXPERIENCE

Eastern Environmental Solutions, Inc., Manorville, NY
Project Manager, 2006-2008

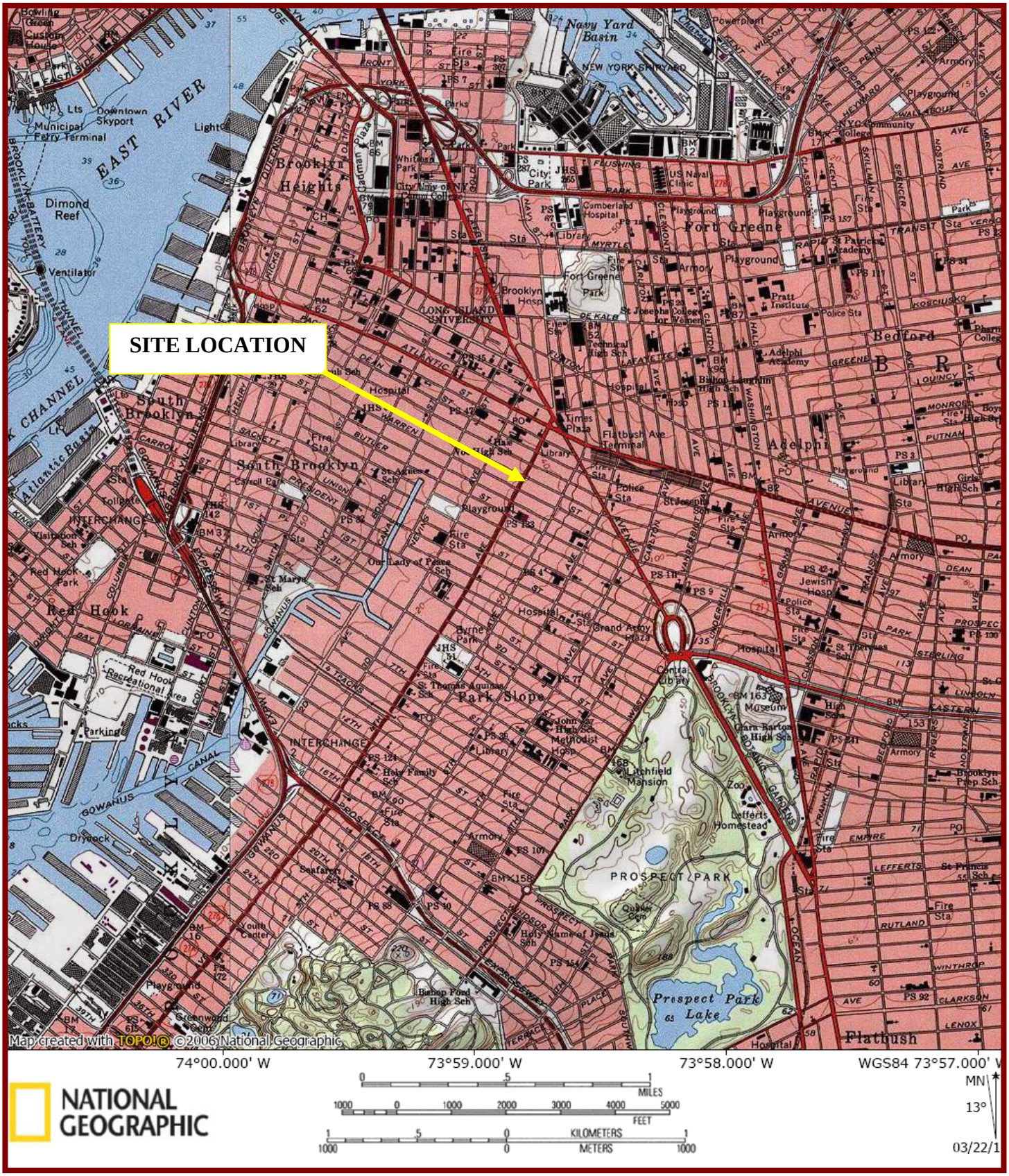
EA Engineering, Science & Technology
Hydrogeologist, 2005-2006

P.W. Grosser Consulting, Bohemia, NY
Field Hydrogeologist, 2002-2003

PUBLICATIONS

Chemical Stress Induced by Copper, Examination of a Biofilm System;
(Water Science Technology, 2006; 54(9): 191-199.)

FIGURES



EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631.924.2870

83 to 89 4th Avenue and 80 St. Marks Place
BROOKLYN, NEW YORK 11217

FIGURE 1 – SITE LOCATION MAP

FIGURE 2A – LOT DIAGRAM

83 to 89 4th AVENUE and 80 ST. MARKS PLACE
BROOKLYN, NEW YORK 11217

PHASE I – ENVIRONMENTAL SITE ASSESSMENT (BLOCK 934 LOTS 5, 6, 7, and 12)

EBC
ENVIRONMENTAL BUSINESSS CONSULTANTS
1808 Middle Country Road, Ridge, New York 11961
Phone: (631) 504-6000 Fax: (631) 924-2870

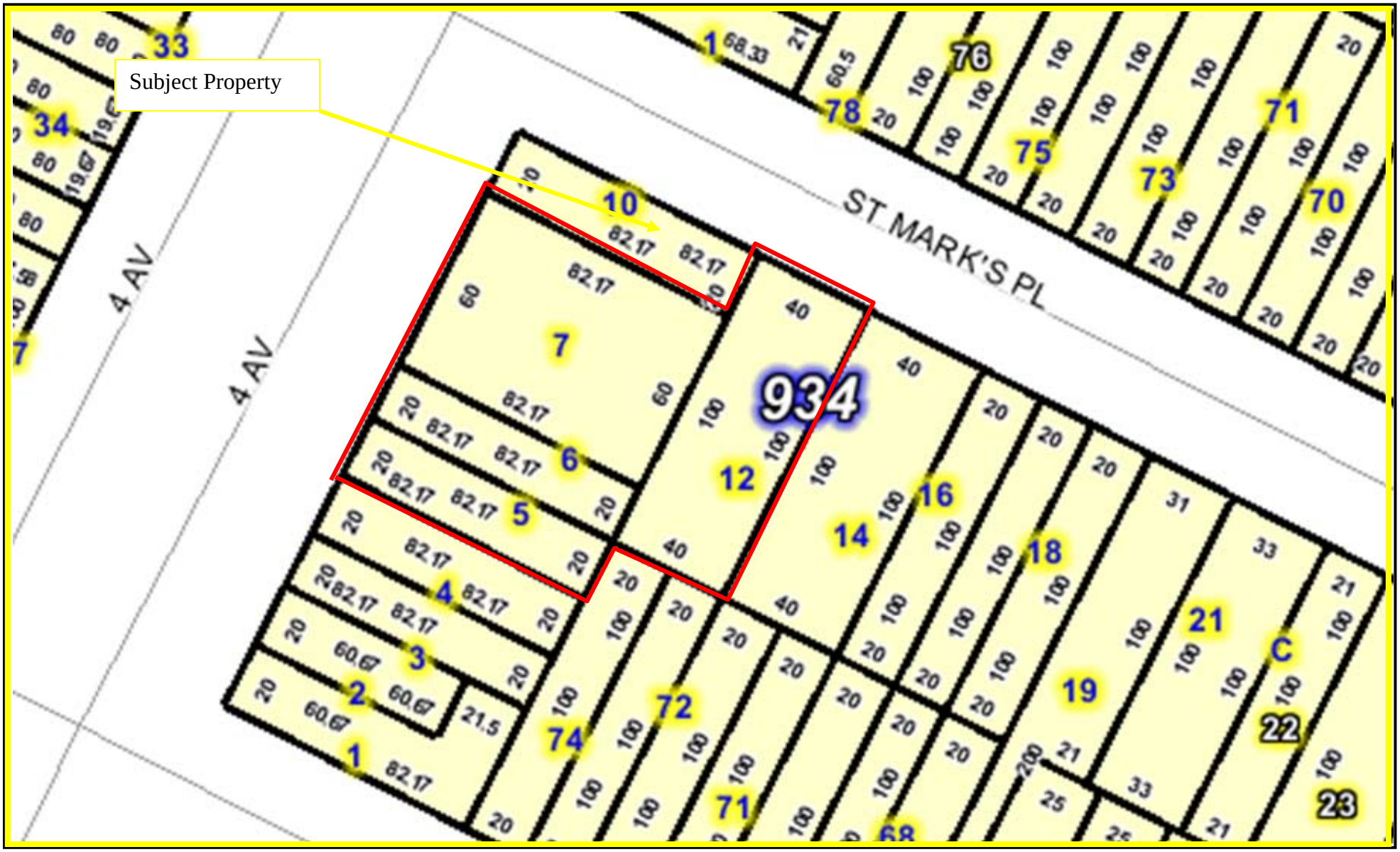


FIGURE 2B – LOT DIAGRAM

83 to 89 4th AVENUE and 80 ST. MARKS PLACE
BROOKLYN, NEW YORK 11217

PHASE I – ENVIRONMENTAL SITE ASSESSMENT (BLOCK 934 LOTS 5, 6, 7, and 12)

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1808 Middle Country Road, Ridge, New York 11961
Phone: (631) 504-6000 Fax: (631) 924-2870

FIGURE 3 – AERIAL MAP

83 to 89 4th AVENUE and 80 ST. MARKS PLACE
BROOKLYN, NEW YORK 11217

PHASE I – ENVIRONMENTAL SITE ASSESSMENT (BLOCK 934 LOTS 5, 6, 7, and 12)

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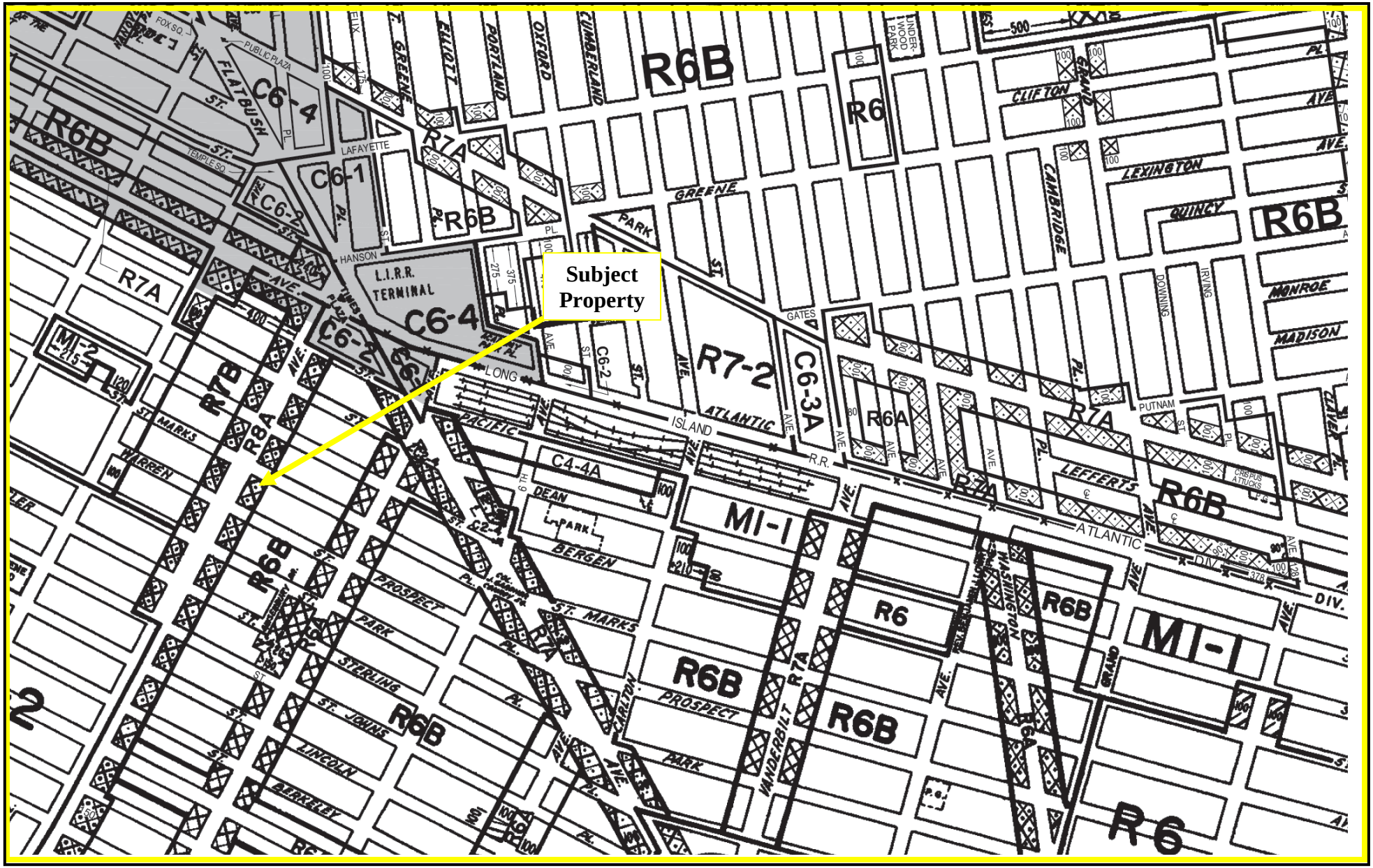


FIGURE 4 – ZONING MAP

83 to 89 4th AVENUE and 80 ST. MARKS PLACE
BROOKLYN, NEW YORK 11217

PHASE I – ENVIRONMENTAL SITE ASSESSMENT (BLOCK 934 LOTS 5, 6, 7, and 12)

EBC
ENVIRONMENTAL BUSINESSS CONSULTANTS
1808 MIDDLE COUNTRY ROAD, RIDGE, NEW YORK 11961
PHONE: (631) 504-6000 FAX: (631) 924-2870

APPENDIX A

SITE PHOTOGRAPHS

Photo 1- View of front of subject site (85 4th Avenue – Lot 7).

Photo 2 - View of front of subject site (89 4th Avenue – Lot 5). Vent pipe associated with a 275 gallon AST located in cellar is visible on right side of building above chain link fence. Fill pipe is located in sidewalk immediately below the vent.

Photo 3 - View of front of subject site (85, 87 and 89 4th Avenue – Lots 5, 6 and 7).
Adjacent property (91 4th Avenue) also visible in photo on far right.

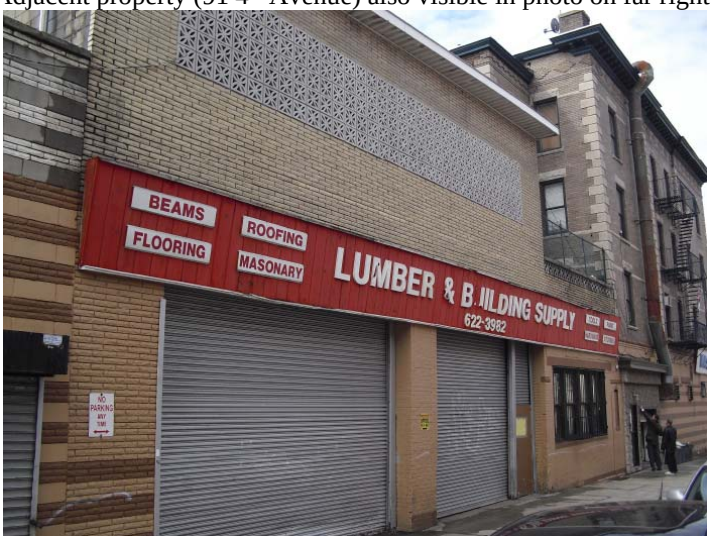


Photo 4 – View of the front of the subject site (Lot 12 - 80-82 St. Marks Place).

Photo 5 – View of front of 87 4th Avenue.
Fill and pipe connected to 275 gallon AST in cellar is visible in far right side of photo.

Photo 6 – View of interior of 89 4th Street facing front of building. Asbestos pipe insulation visible in top of photo.

Photo 7 – Additional view of interior of 89 4th Street facing rear of building from front of building.

Photo 8 – View of electric meters/panels located in cellar of 89 4th Street facing front of building.

Photo 9 – View of gas fired furnace and hot water heater located in cellar of 89 4th Street.

Photo 10 – View of gas meters located in cellar of 89 4th Street.

Photo 11 – Additional view of gas fired furnace and hot water heater located in cellar of 89 4th Street. A 275-gallon steel #2 fuel oil aboveground storage tank is also visible in the far right side of the photo.

Photo 12 – View wood working machinery located in rear of 1st floor of 89 4th Avenue.

Photo 13 – View some of the chemical products located in rear of 1st floor of 89 4th Avenue.

Photo 14 – View of 1st floor of interior of 87 4th Avenue.

Photo 15 – View of chemicals observed within 87 4th Avenue (1st floor).

Photo 16 – View of interior of 80 St. Marks Place facing front of building.

Photo 17 – View of interior of upper rear floor of 80 St. Marks Place. Elevator is on left side of photo.

Photo 18 – View of gas fired heater located in 85 4th Avenue.

Photo 19 – View of office space near entrance to 85 4th Avenue.

Photo 20 – View of interior of 85 4th Avenue. Office space on left, wooden storage racks beyond office space on left and along entire right side. Display area located in rear.

Photo 21 – View of interior of 85 4th Avenue, showing wooden racks.

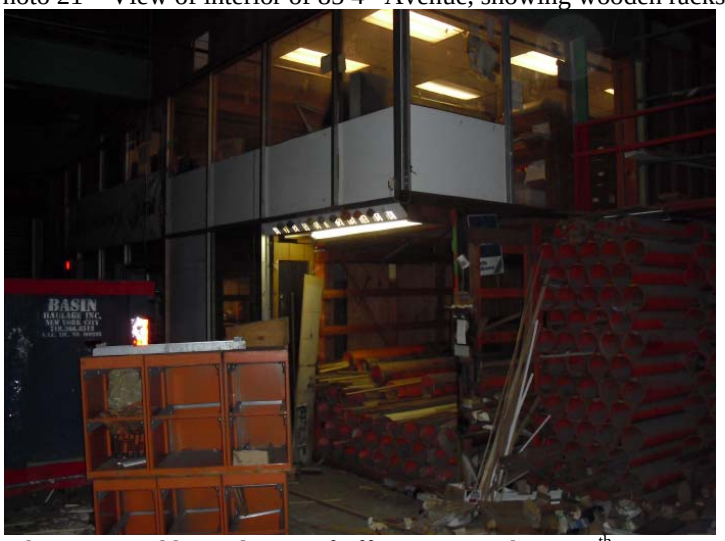


Photo 22 – Additional view of office space within 85 4th Avenue.

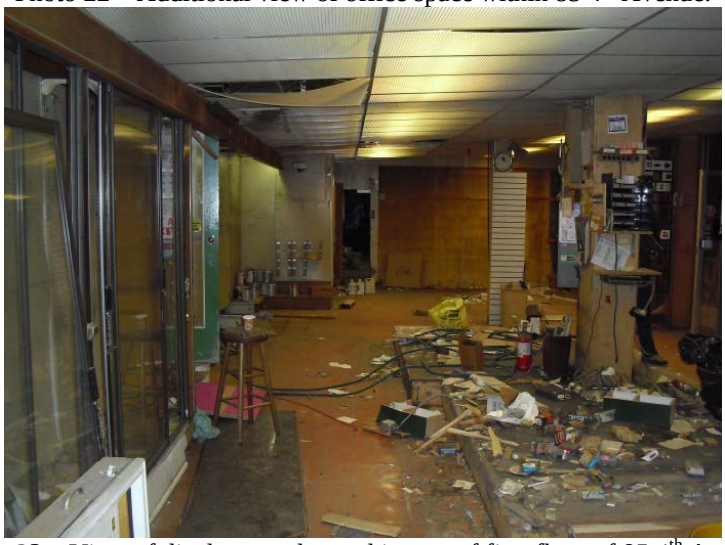


Photo 23 – View of display area located in rear of first floor of 85 4th Avenue.

Photo 24 – View of paint cans, stain located in display area of rear of first floor of 85 4th Avenue.

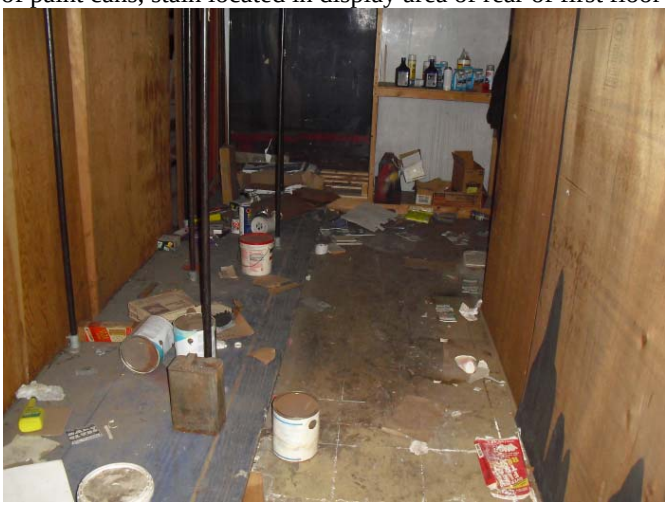


Photo 25 – Additional view of paint cans, stain, chemicals located on first floor of 85 4th Avenue

Photo 26 – View of gas fired forced air furnace located in 85 4th Avenue.

Photo 27 – View of adjacent properties located to the south on 4th Avenue (91, 93 and 95 4th Avenue).

Photo 28 – View of adjacent property located on opposite (west) side of 4th Avenue (south of Car & Limo).

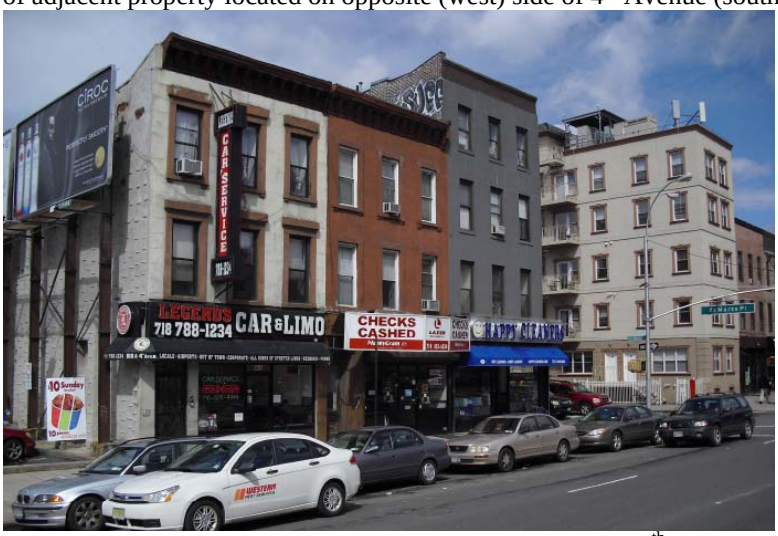


Photo 29 – View of adjacent properties located on opposite (west) side of 4th Avenue (north of KFC).

Photo 30 – View of properties located on the opposite (north) side of St. Marks Place.

Photo 31 – View of 81 4th Avenue (Lot 10), which is located on corner of St. Marks Place and 4th Avenue. This property is bordered by both Lot 7 and Lot 12 of the subject site.

Photo 32 – Additional view of 81 4th Avenue (Lot 10), which is located on corner of St. Marks Place and 4th Avenue. This property is bordered by both Lot 7 and Lot 12 of the subject site.

Photo 33 – View of 84 St. Marks Place (Lot 14), which is adjacent/east of subject site (Lot 12).

Photo 34 – View of properties located on the opposite (north) side of St. Marks Place.

APPENDIX B

LOCAL AGENCY INFORMATION

B FORM 54 (REV. 11/79) 50M-823066-5(80)-346 THE CITY OF NEW YORK

DEPARTMENT OF BUILDINGS
CERTIFICATE OF OCCUPANCY

BOROUGH BROOKLYN DATE: MAY 25 1982 NO. 220252

This certificate supersedes C.O. No. ZONING DISTRICT C2-3 in R6

THIS CERTIFIES that the new–altered–existing–building–premises located at 87 4th Avenue Block 934 Lot 6

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
Cellar	ground						Boiler Room
Basement	40				6		Retail Store
First	40		1	2	2		One (1) Family used in conjunction with front room of Second (2nd) floor.
Second	40		1	2	2		One (1) Family used in conjunction with two (2) rooms on Third (3rd) floor.
Third	40				2		
		TOTAL:	Two (2) Families and Store				
			Old Code				

OPEN SPACE USES _____
(SPECIFY–PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

George E. Berg
BOROUGH SUPERINTENDENT

Irwin Fruchtman
COMMISSIONER

☐ ORIGINAL ☐ OFFICE COPY–DEPARTMENT OF BUILDINGS ☐ COPY

220252

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING at a point on the South side of 4th Avenue distant 80' from the corner formed by the intersection of West 4th Avenue and St. Marks Place

running thence S. 62'-2" feet; thence W. 20' feet;

thence N. 62'-2" feet; thence E. 20' feet;

thence ..... feet; thence ..... feet;

thence ..... feet; thence ..... feet;

to the point or place of beginning.

N.B. or ALT. No. Alt. 804/79 DATE OF COMPLETION 5-5-82 CONSTRUCTION CLASSIFICATION 3

BUILDING OCCUPANCY GROUP CLASSIFICATION 3 HEIGHT 3 and Basement STORIES, 35'6" FEET

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO
STANDPIPE SYSTEM		
YARD HYDRANT SYSTEM		
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM		
SMOKE DETECTOR		
FIRE ALARM AND SIGNAL SYSTEM		
AUTOMATIC SPRINKLER SYSTEM		

STORM DRAINAGE DISCHARGES INTO:
A) STORM SEWER ☐ B) COMBINED SEWER ☐ C) PRIVATE SEWAGE DISPOSAL SYSTEM ☐

SANITARY DRAINAGE DISCHARGES INTO:
A) SANITARY SEWER ☐ B) COMBINED SEWER ☐ C) PRIVATE SEWAGE DISPOSAL SYSTEM ☐

LIMITATIONS OR RESTRICTIONS:
BOARD OF STANDARDS AND APPEALS CAL. NO.
CITY PLANNING COMMISSION CAL. NO.
OTHERS:

E

Form 54-C (Rev. 4/62)–5081-691036(62) 314

DEPARTMENT OF BUILDINGS

BOROUGH OF , THE CITY OF NEW YORK

Date APR 26 1963 No. 183591

CERTIFICATE OF OCCUPANCY

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

This certificate supersedes C. O. No.

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

89 – 4th Avenue Block 934 Lot 5

That the zoning lot and premises above referred to are situated, bounded and described as follows:

BEGINNING at a point on the East side of 4th Avenue

distant 80' feet North from the corner formed by the intersection of

Warren Street and 4th Avenue

running thence East 72'2" feet; thence North 20 feet;

thence East 72'2" feet; thence South 20' feet;

running thence feet; thence feet;

to the point or place of beginning, conforms substantially to the approved plans and specifications, and to the requirements of the Building Code, the Zoning Resolution and all other laws and ordinances, and of the rules of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

Latest Alt. No.— 1917/1955 Construction classification— Non-Fireproof

Occupancy classification— Two (2) Families. Storage of Building Materials. Office. Height Base. & 3 stories, 40' & 12'6" feet.

Date of completion— Comst. 11-28-62 & 3-11-63 & 4-22-63 Business - B Zoning District.

At time of issuance of permit. PA 11-28-62

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: and The City Planning Commission: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

Off-Street Parking Spaces

Off-Street Loading Berths

STORY	LIVE LOADS (Lbs. per Sq. Ft.)	PERSONS ACCOMMODATED	USE
Cellar	On Ground	–	Ordinary
Basement	120	1	Storage of Building Materials
First	50	2	Office In Conjunction with Basement Use
Second	40	–	One (1) Family
Third	40	–	One (1) Family
			Loading & Unloading Space On Basement Floor And Storage Of Building Materials

TOTAL – AS STATED ABOVE.

Certificate Of Approval #7038 Issued February 21, 1963 (Fuel Oil).

OFFICE COPY—DEPARTMENT OF BUILDINGS

Borough Superintendent

Norman Greenwald

PERMISSIBLE USE AND OCCUPANCY (continued)

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE

Borough Superintendent

Form 54-39M-702959(57) 114

DEPARTMENT OF BUILDINGS

BOROUGH OF BROOKLYN, THE CITY OF NEW YORK

No.

Date

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 C26-187.0 inclusive Administrative Code 2.1.3.1. to 2.1.3.7. Building Code.)

This certificate supersedes C. O. No.

To the owner or owners of the building or premises:

THIS CERTIFIES that the new ~~alteration~~ building—premises located at 81-85 4th Avenue, East Side, 20'0" South of St. Marks Place

Block 934 Lot 7

, conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

N.B. ~~Application~~ 261/1954

Construction classification— non-fireproof

Occupancy classification— storage of building materials and factory . Height 2 stories, 28'9" feet.

Date of completion— constr. 12/23/57 . Located in Business Use District.

B Area , Height Zone at time of issuance of permit

plumb. 12/10/57, F.8, 12/30/57

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)

Resolution 639-55-A adopted October 18, 1955 Bulletin 43 Volume 40

Resolution 639-55-A adopted December 13, 1955 Bulletin 51 Volume 40

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED MALE	FEMALE	TOTAL	USE
first	ground	5	-	5	storage of building materials
second	75	15	15	30	factory for sewing of wearing apparel
		TOTAL - as stated above			

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

Borough Superintendent

(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 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.

B Form 54 (Rev. 8/95)

THE CITY OF NEW YORK

DEPARTMENT OF BUILDINGS

CERTIFICATE OF OCCUPANCY

BOROUGH BROOKLYN **DATE:** JAN. 2, 1997 **NO.** 300409733

This certificate supersedes C.O. NO 158905 JAN 02 1997 ZONING DISTRICT C2-4 IN R6B

THIS CERTIFIES that the new—altered—existing—building—premises located at 85 4TH AVENUE

Block 934 , Lot 7 .

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
1ST FLOOR	O.G.	5	C				BUILDING MATERIALS SALES AND STORAGE.
MEZZ.	75	2	E				OFFICE (ACCESSORY USE)
2ND FLOOR	75	30	D1				FACTORY FOR SEWING OF WEARING APPAREL.

OPEN SPACE USES_____
(SPECIFY—PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

BOROUGH SUPERINTENDENT

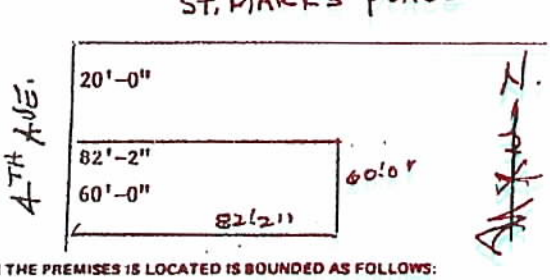
COMMISSIONER

B2 B2

R.A.

☐ ORIGINAL ☐ OFFICE COPY - DEPARTMENT OF BUILDINGS ☐ COPY

B Form 54 (Back) (Rev. 8/82)



THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING at a point on the EAST side of 4TH AVENUE distant 20'-0" feet from the corner formed by the intersection of 4TH AVENUE and ST. MARKS PLACE

running thence E. - 82'-2" feet; thence SOUTH 60'-0" feet;

thence W. - 82'-2" feet; thence NORTH 60'-0" feet;

thence ..... feet; thence ..... feet;

thence ..... feet; thence ..... feet;

to the point or place of beginning.

~~Bldg.~~ or ALT. No. 300409733 DATE OF COMPLETION 8/28/96 CONSTRUCTION CLASSIFICATION CLASS 3

BUILDING OCCUPANCY GROUP CLASSIFICATION COMM. HEIGHT 2 STORIES 28'-9" FEET

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM		X	AUTOMATIC SPRINKLER SYSTEM	X	
YARD HYDRANT SYSTEM		X			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM		X			
SMOKE DETECTOR		X			
FIRE ALARM AND SIGNAL SYSTEM		X			

STORM DRAINAGE DISCHARGES INTO:

A) STORM SEWER ☐ B) COMBINED SEWER ☒ C) PRIVATE SEWAGE DISPOSAL SYSTEM ☐

SANITARY DRAINAGE DISCHARGES INTO:

A) SANITARY SEWER ☐ B) COMBINED SEWER ☒ C) PRIVATE SEWAGE DISPOSAL SYSTEM ☐

LIMITATIONS OR RESTRICTIONS: NONE

BOARD OF STANDARDS AND APPEALS CAL. NO. _____

CITY PLANNING COMMISSION CAL. NO. _____

OTHERS:

Form 54-113M-701627(55) 114

DEPARTMENT OF [redacted] BUILDINGS

BOROUGH OF BROOKLYN , CITY OF NEW YORK

No. [illegible]

Date APR 3 - 1957

CERTIFICATE OF OCCUPANCY

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C.26-181.0 to C26-187.0 inclusive Administrative Code 2.1.3.1. to 2.1.3.7. Building Code.)

This certificate supersedes C. O. No.

To the owner or owners of the building or premises:

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

80 St. Marks Place, South Side, 82'0" East of 4th Avenue

Block 994 Lot 12

, 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.

~~Mkrm~~ Alt. No.— 3281/1954 Construction classification— non-fireproof

Occupancy classification— class "A" multiple dwelling - converted . Height base. & 3 stories, 35 feet.

Date of completion— constr. 4/2/57 . Located in Business Use District.

plumb. 4/2/57

0 Area H.D. 4/2/57 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	ground	-	-	-	storage
basement	40	-	-	-	one (1) family
first	40	-	-	-	one (1) family
second	40	-	-	-	one (1) family
third	40	-	-	-	one (1) family
		TOTAL - four (4) families			

Class "A" Multiple Dwelling - Converted

Fire Department approval dated July 19, 1956 (fuel oil)

Borough Superintendent

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

(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 or rearrangement in the structural parts of the building, or affecting the light and ventilation of any part thereof, or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing in height shall be made; nor shall the building be moved from one location or position to another; nor shall there be any reduction or diminution of the area of the lot or plot on which the building is located.

The building or any part thereof shall not be used for any purpose other than that for which it is certified.

The superimposed, uniformly distributed loads, or concentrated loads producing the same stresses in the construction in any story shall not exceed the live loads specified on reverse side; the number of persons of either sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of persons in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fixed by this certificate except as specifically stated.

This certificate does not in any way relieve the owner or owners or any other person or persons in possession or control of the building, or any part thereof, from obtaining such other permits, licenses or approvals as may be prescribed by law for the uses or purposes for which the building is designed or intended; nor from obtaining the special certificates required for the use and operation of elevators; nor from the installation of fire alarm systems where required by law; nor from complying with any lawful order for additional fire extinguishing appliances under the discretionary powers of the fire commissioner; nor from complying with any lawful order issued with the object of maintaining the building in a safe or lawful condition; nor from complying with any authorized direction to remove encroachments into a public highway or other public place, whether attached to or part of the building or not.

If this certificate is marked "Temporary", it is applicable only to those parts of the building indicated on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all the provisions and conditions applying to a final or permanent certificate; it is not applicable to any building under the jurisdiction of the Housing Division unless it is also approved and endorsed by them, and it must be replaced by a full certificate at the date of expiration.

If this certificate is for an existing building, erected prior to March 14, 1916, it has been duly inspected and it has been found to have been occupied or arranged to be occupied prior to March 14, 1916, as noted on the reverse side, and that on information and belief, since that date there has been no alteration or conversion to a use that changed its classification as defined in the Building Code, or that would necessitate compliance with some special requirement or with the State Labor Law or any other law or ordinance; that there are no notices of violations or orders pending in the Department of Housing and Buildings at this time; that Section 646F of the New York City Charter has been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent, and that, so long as the building is not altered, except by permission of the Borough Superintendent, the existing use and occupancy may be continued.

"§ 646 F. No certificate of occupancy shall be issued for any building, structure, enclosure, place or premises wherein containers for combustibles, chemicals, explosives, inflammables and other dangerous substances, articles, compounds or mixtures are stored, or wherein automatic or other fire alarm systems or fire extinguishing equipment are required by law to be or are installed, until the fire commissioner has tested and inspected and has certified his approval in writing of the installation of such containers, systems or equipment to the Borough Superintendent of the borough in which the installation has been made. Such approval shall be recorded on the certificate of occupancy."

Additional copies of this certificate will be furnished to persons having an interest in the building or premises, upon payment of a fee of fifty cents per copy.

Form 54-C (Rev. 7/64)-3M-705151(67) -BG- 346

DEPARTMENT OF BUILDINGS

ck BOROUGH OF Brooklyn , THE CITY OF NEW YORK

Date JAN 28 1970 No. 203145

CERTIFICATE OF OCCUPANCY

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

This certificate supersedes C. O. No.

THIS CERTIFIES that the ~~new~~ altered ~~existing~~ building—premises located at 2039 East 68th Street Block 8409 Lot 35

That the zoning lot and premises above referred to are situated, bounded and described as follows:

BEGINNING at a point on the east side of East 68th Street distant 219'6¾" feet south from the corner formed by the intersection of East 68th Street and Island Avenue running thence south 23'4" feet; thence east 100 feet; thence north 73'4¾" feet; thence west 100 feet; running thence feet; thence feet; to the point or place of beginning, conforms substantially to the approved plans and specifications, and to the requirements of the Building Code, the Zoning Resolution and all other laws and ordinances, and of the rules of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646e of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

~~Permit~~ No.— Alt. 1098-1969 Construction classification— class 3

Occupancy classification— two (2) families . Height Base & 2 stories, 27 feet.

Date of completion— const. 1-20-70 Located in R 3-2 Zoning District.

at time of issuance of permit. plumb. 1-20-70

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: and The City Planning Commission: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

Off-Street Parking Spaces .....

Off-Street Loading Berths .....

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE
Basement	on ground	-	one (1) family and ordinary
First	40)	-	one (1) family
Second	40)		

TOTAL:- Two (2) families

Sewage Disposal:
Sanitary Drainage (DOES) (DOES NOT) Discharge Into Either Sanitary or Combined Sewer

Storm Drainage (DOES) (DOES NOT) Discharge Into Either Storm or Combined Sewer

Limited Permit

OFFICE COPY—DEPARTMENT OF BUILDINGS

Borough Superintendent

PERMISSIBLE USE AND OCCUPANCY (continued)

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE

Borough Superintendant

Form 54-C (Rev. 4/62)—AZM-7011500(63) 114

DEPARTMENT OF BUILDINGS

BOROUGH OF Brooklyn , THE CITY OF NEW YORK

Date JAN 31 1972 No. 307007

CERTIFICATE OF OCCUPANCY

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

This certificate supersedes C. O. No.

THIS CERTIFIES that the ~~new~~—altered—~~existing~~—building—premises located at 80-82 St.Marks Place Block 934 Lot 12 & 13

That the zoning lot and premises above referred to are situated, bounded and described as follows:

BEGINNING at a point on the south side of St.Marks Place distant 82'2" feet east from the corner formed by the intersection of 4th Avenue and St.Marks Place

running thence South 100'0" feet; thence East 40'0" feet;

thence North 100'0" feet; thence West 40'0" feet;

running thence ..... feet; thence ..... feet;

to the point or place of beginning, conforms substantially to the approved plans and specifications, and to the requirements of the Building Code, the Zoning Resolution and all other laws and ordinances, and of the rules of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646e of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

~~Bldg.~~ Alt. No. Alt. #1266/70 Construction classification—Class 3 nonfireproof

Occupancy classification—See occupancy below . Height 1 & Mezzanine stories, 25'0" feet.

Date of completion— const. 1/4/72 . Located in C 2 – 3 in R 6 Zoning District.

at time of issuance of permit. pl. 1/18/72

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals and The City Planning Commission: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

Off-Street Parking Spaces .....

Off-Street Loading Berths .....

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE
First	on ground	2	Lumber store limited to 5000 square feet of floor area per establishment exclusive of that floor area used for office and display area, and provided that not more than 400 square feet of floor area to be used for cutting of lumber to size. (Use Group #8)
Mezzanine	120#	–	Office and display area.
	TOTAL:	AS STATED ABOVE	

OFFICE COPY—DEPARTMENT OF BUILDINGS

Borough Superintendent

PERMISSIBLE USE AND OCCUPANCY (continued)

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE

Borough Superintendent

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument. The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.

2009021300131001004EDB90

RECORDING AND ENDORSEMENT COVER PAGE PAGE 1 OF 3

Document ID: 2009021300131001 Document Date: 01-06-2009 Preparation Date: 02-13-2009
Document Type: COURT ORDER
Document Page Count: 2 Non-Standard Form Size

PRESENTER:
ALLISON FURMAN
1501 BROADWAY
NEW YORK, NY 10036
212-221-5700
afurman@gwulaw.com

RETURN TO:
ALLISON FURMAN
1501 BROADWAY
NEW YORK, NY 10036
212-221-5700
afurman@gwulaw.com

PROPERTY DATA

Borough	Block	Lot	Unit	Address
BROOKLYN	934	5	Entire Lot	89 4 AVENUE

Property Type: APARTMENT BUILDING

CROSS REFERENCE DATA

CRFN_____ *or* Document ID_____ *or* _____ Year____ Reel ___ Page ____ *or* File Number_____

PARTIES

PARTY 1/GRANTOR:
ST. MARKS 4TH-AVE. REALTY CORP.
85 4TH AVENUE
BROOKLYN, NY 11217

PARTY 2/GRANTEE:
ST. MARKS 4TH-AVE. REALTY CORP.
85 4TH AVENUE
BROOKLYN, NY 11217

FEES AND TAXES

Mortgage		
Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00
Recording Fee:	$	69.00
Affidavit Fee:	$	0.00

Filing Fee: $ 0.00
NYC Real Property Transfer Tax: $ 0.00
NYS Real Estate Transfer Tax: $ 0.00

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK
Recorded/Filed 02-17-2009 12:05
City Register File No.(CRFN):
2009000045156

City Register Official Signature

At IAS Part 27 in the Supreme Court of the State of New York for the County of Kings, at the Courthouse located at 360 Adams Street, Brooklyn, New York, on the 6th day of ~~December, 2008~~ January, 2009

HON. ARTHUR M. SCHACK, J.S.C.

SUPREME COURT OF THE STATE OF NEW YORK
COUNTY OF KINGS

ST MARKS-4TH AVE. REALTY CORP., Plaintiff, - against -	Index No.: 2264/08
MICHAEL WHALEN, as Administrator of the Estate of ANNIE WHALEN, "JOHN DOE #1" through "JOHN DOE #20," the true names of said defendants being unknown to plaintiff, the parties intended being the heirs, being next of kin, distributes, legatees, administrators or assigns of the decedent having or claiming an interest to the real property described in the complaint. Defendants.	**ORDER AND JUDGMENT**

Plaintiff St. Marks 4th-Ave. Realty Corp. ("Plaintiff") having commenced this action on January 22, 2008 by filing a Summons with Notice (the "Summons") for a declaratory judgment that plaintiff St. Marks 4th-Ave. Realty Corp. is the owner of the real property known as and located at 89 4th Avenue, Brooklyn, New York (Block 934, Lot 5) and having simultaneously submitted an Order Directing Service by Publication to enable Plaintiff to serve the Summons upon Defendants by publication; and Supreme Court Kings County (Schack. J.) having issued the Order Directing Service by Publication on March 3, 2008 directing Plaintiff to publish the Summons in the Home Reporter and the Brooklyn Daily Eagle & Daily Bulletin for four (4) successive weeks commencing on March 28, 2008 and April 9, 2008 respectively; and Plaintiff having

published the Summons in accordance with the Order Directing Service by Publication; and Defendants having failed to answer, appear or otherwise respond to the Summons; and Plaintiff having filed an Order Directing Inquest on August 28, 2008; and Supreme Court, Kings (Schack. J.) having issued the Order Directing Inquest on September 8, 2008 acknowledging that the Summons was timely served and filed and directing that an inquest be held before a Judicial Hearing Officer; and an inquest having been held on October 31, 2008 before Supreme Court, Kings County (Marano, J.H.O.); and after inquest, the Court having issued a declaratory judgment that St. Marks 4th-Ave. Realty Corp. is the owner of the property known as and located at 89 4th Avenue, Brooklyn, New York by virtue of adverse possession;

NOW, upon the motion of Goldberg Weprin & Ustin LLP, attorneys for plaintiff St. Marks 4th-Ave. Realty Corp., it is hereby

ORDERED and ADJUDGED, that plaintiff St. Marks 4th-Ave. Realty Corp. is the owner of the property known as and located at 89 4th Avenue, Brooklyn, New York (Block 934, Lot 5); and it is further

ORDERED and ADJUDGED, that the Office of the City Register, Kings County is directed to record this Order and Judgment against the property known as and located at 89 4th Avenue, Brooklyn, New York (Block 934, Lot 5).

ENTER:

J.S.C.

HON. ARTHUR M. SCHACK J.S.C.

FILED
2009 JAN 22 PM 3:4
KINGS COUNTY CLERK
FEE

No. 611038
STATE OF NEW YORK, COUNTY OF KINGS, SS: I, NANCY T. SUNSHINE, COUNTY CLERK & CLERK OF THE SUPREME COURT, KINGS COUNTY, DO HEREBY CERTIFY ON 01/28/2009
THAT I HAVE COMPARED THIS COPY WITH THE ORIGINAL FILED IN MY OFFICE ON 1-22-09
AND THAT THE SAME IS A CORRECT TRANSCRIPT THEREFROM AND OF THE WHOLE OF SUCH ORIGINAL.
IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND AFFIXED MY OFFICIAL SEAL.
COUNTY CLERK AND CLERK OF THE SUPREME COURT, KINGS COUNTY
FACSIMILE SIGNATURE USED PURSUANT TO SEC. 901 COUNTY LAW

N.Y.State Tr. Tax 992

Bargain and Sale Deed with Covenant against Grantor's Acts—Individual or Corporation (single sheet

THIS INDENTURE, made the 12th day of March, nineteen hundred and Sixty-nine

BETWEEN

ANNA FRIEDMAN, residing at 1165 East 54th Street, Brooklyn, New York,

party of the first part, and

934 ST. MARKS - 4th AVENUE REALTY CORP., a domestic corporation with its principal office located at 85 Fourth Avenue, Brooklyn, New York,

LOT 6

party of the second part,

WITNESSETH, that the party of the first part, in consideration of Ten Dollars and other valuable consideration paid by the party of the second part, does hereby grant and release unto the party of the second part the heirs or successors and assigns of the party of the second part forever,

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows:

BEGINNING at a point on the Easterly side of 4th Avenue, distant 100 feet Northerly from the corner formed by the intersection of the Easterly side of 4th Avenue with the Northerly side of Warren Street;

RUNNING THENCE Easterly parallel with Warren Street and part of the distance through a party wall, 82 feet 2 inches;

THENCE Northerly parallel with 4th Avenue, 20 feet;

THENCE Westerly parallel with Warren Street and part of the distance through another party wall, 82 feet 2 inches to the Easterly side of 4th Avenue;

THENCE Southerly along the Easterly side of 4th Avenue, 20 feet to the point or place of BEGINNING.

Being known as 87 4th Avenue, Brooklyn, New York.

REAL ESTATE TRANSFER TAX — STATE OF NEW YORK — $ 08.90

KINGS COUNTY 017 14

Dept of Taxations & Finance

TOGETHER with all right, title and interest, if any, of the party of the first part of, in and to any streets and roads abutting the above-described premises to the center lines thereof; TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises; TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered in any way whatever, except as aforesaid.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF:

Anna Friedman

THE 320 PAGE 1368

STATE OF NEW YORK, COUNTY OF KINGS ss:

On the 12th day of March, 19 69, before me personally came

ANNA FRIEDMAN

to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that she executed the same.

Notary Public

NORMAN H. ETKIN
NOTARY PUBLIC, State of New York
Qualified in New York County
No. 31-6107900
Term Expires March 30, 1970

STATE OF NEW YORK, COUNTY OF ss:

On the day of 19 , before me personally came

to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that executed the same.

STATE OF NEW YORK, COUNTY OF ss:

On the day of 19 , before me personally came

to me known, who, being by me duly sworn, did depose and say that he resides at No.

that he is the of , the corporation described in and which executed the foregoing instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that he signed h name thereto by like order.

STATE OF NEW YORK, COUNTY OF ss:

On the day of 19 , before me personally came

the subscribing witness to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that he resides at No.

that he knows to be the individual described in and who executed the foregoing instrument; that he, said subscribing witness, was present and saw execute the same; and that he, said witness, at the same time subscribed h name as witness thereto.

RECORDED 1369

BARGAIN AND SALE DEED
WITH COVENANT AGAINST GRANTOR'S ACTS

Title No. 708788 XAK329604

ANNA FRIEDMAN,

TO

ST. MARKS - 4th AVENUE REALTY CORP.

RECORDED AT REQUEST OF

Security Title and Guaranty Company

RETURN BY MAIL TO

SUBJECT TO NYC TAX

11221

SECTION 4
BLOCK 934
LOT 6
COUNTY OR TOWN KINGS

From

Royal
ABSTRACT CORP.
280 BROADWAY NEW YORK 7, N. Y.
TITLE REPORTS AND POLICIES — ALL COUNTIES

CITY REGISTER
OFFICE OF CITY REGISTER
KINGS COUNTY
RECORDED BY BOARD
AND OFFICIAL SEAL

REG. FEE $ 4.00
SST $ 4943
RPT #

APR 18 69 4 3139 A 157
APR 18 69 4 3140 157

REGISTER RECORDING AND ENDORSEMENT PAGE

COUNTY OF K.I.N.G.S

THIS PAGE FORMS PART OF THE INSTRUMENT

TOTAL NUMBER OF PAGES IN DOCUMENT INCLUDING THIS PAGE ▶ 13

SO IN ORIGINAL

REEL 3494 PG 0306

Block ▼ 934 | Lots - ONLY IF ENTIRE LOT ▼ 72 | Partial Lots ▼ P/O

Premises ▼ 80 ST. Marks Place Brooklyn, N.Y

Title/Agent Company Name ▼

Title Company Number ▼

NAME ▼ Mr. John Palumbo St. Marks 4th Ave Realty

ADDRESS ▼ 118 Purdy Avenue

CITY ▼ Staten Island STATE ▼ NY ZIP ▼ 10314

NAME & ADDRESS

PARTY 1 ▶

ADDITIONAL PARTY 1 ▶ GRACE PALUMBO 111 N. Pompano Beach, BLVD, Pompano Beach FL 112-19 Jewel Avenue, Front #14, N.Y. 11375

PARTY 2 ▶

ADDITIONAL PARTY 2 ▶ St. Marks 4th Ave Realty, 118 PURDY Ave, STATEN ISLAND NY 10314

CHECK THIS BOX IF THERE ARE MORE THAN 2 OF EITHER PARTY ☐

CITY REGISTER USE ONLY - DO NOT WRITE BELOW THIS LINE

Examined by (✓):

Mtge Tax Serial No.

Mtge Amount $

Taxable Amount $

Exemption (✓) YES ☐ NO ☐

Type: [3338] [255] [OTHER]

Dwelling Type: [1 or 2] [3] [4 to 6] [OVER 6]

TAX RECEIVED ON ABOVE MORTGAGE ▼

County (basic)	$
City (Addn)	$
Spec Addn	$
TASF	$
MTA	$
NYCTA	$
TOTAL TAX	$

Apportionment Mortgage (✓) YES ☐ NO ☐

City Register Serial Number ▶ 067331

Indexed By (✓): Verified By (✓):

Block(s) and Lot(s) verified by (✓): Address ☐ Tax Map ☐

Extra Block(s) Lot(s)

Recording Fee	$ 30
Affidavit Fee (C)	$
RPTT Fee (R)	$ 25
HPD-A ☐	HPD-C ☐

FOLD

New York State Real Estate Transfer Tax ▼

$ —

Serial Number ▶ 021115

New York City Real Property Transfer Tax Serial Number ▶ 11139

RECORDED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK

CROSSMARK INC. 2000

2002 MAY 30 P 1:14

10

T 278—Standard N Y B T U Form 8004. Executor's Deed, Individual or Corporation (single sheet). 11/98

Blumberg Exc elsior, Inc.
PUBLISHERS, NYC 10013

CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT—THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY.

THIS INDENTURE, made on 30th day of April, 2002

BETWEEN

& Grace Palumbo, Personal Representative of the Estate of Salvatore Guilio Palumbo

111 N. Pompano Beach Blvd. Pompano Beach FL 33062

as executor of

Salvatore Guilio Palumbo

the last will and testament of , late of

who died on the 3rd day of November, 1995

party of the first part, and

St. Marks 4th Avenue Realty Corp.
118 Purdy Ave, Staten Island NY 10304

party of the second part,

WITNESSETH, that the party of the first part, to whom testamentary were issued by the Surrogate's Court, County, ~~New York~~ letters of Kings

on December 12, 1995 and by virtue of the power and authority given in and by said last will and testament, and/or by Article 11 of the Estates, Powers and Trusts Law, and in consideration of

Zero (0)

dollars,

paid by the party of the second part, does hereby grant and release unto the party of the second part, the distributees or successors and assigns of the party of the second part forever,

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough of Brooklyn, City and State of New York.

BEGINNING at a point on the Southerly side St. Marks Place (formerly Wyckoff Street) distant 82 feet 2 inches Easterly from the Southeasterly corner of 4th Avenue and St. Marks Place. running thence Southerly, parallel with 4th Avenue, 100 feet thence Easterly parallel with St. Marks Place, 20 feet, thence Northerly parallel with 4th Avenue and part of the distance through a certain brick party wall, 100 feet to the Southerly side of St. Marks Place and thence Westerly along the Southerly side of St. Marks Place: and thence Westerly along the Southerly side of St Marks Place, 20 feet to the point or place of beginning. Said premises being known as 80 St Marks Place Brooklyn, NY.

Section 4 Block 934 Lot 12

REEL 5144 PG 0301

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof; TOGETHER with the appurtenances, and also all the estate which the said decedent had at the time of decedent's death in said premises, and also the estate therein, which the party of the first part has or has power to convey or dispose of, whether individually, or by virtue of said will or otherwise; TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the distributees or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been incumbered in any way whatever, except as aforesaid.
Subject to the trust fund provisions of section thirteen of the Lien Law.
The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF:

Grace Palumbo
GRACE PALUMBO

ACKNOWLEDGMENT IN NEW YORK STATE (RPL 309-a)

State of New York, County of KINGS ss.:

On April 30, 2002 before me, the undersigned, personally appeared Grace Palumbo

personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

PETER S. D'AMATO
Notary Public, State of New York
No. 30-4704845, Qual. in Nassau Co.
Certificate Filed in Kings County
Commission Expires 12-31-05

(signature and office of individual taking acknowledgment)

12/31/05

ACKNOWLEDGMENT OUTSIDE NEW YORK STATE (RPL 309-b)

State of County of ss.:

On before me, the undersigned, personally appeared

personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument, and that such individual made such appearance before the undersigned in

(insert city or political subdivision and state or county or other place acknowledgment taken)

(signature and office of individual taking acknowledgment)

ACKNOWLEDGMENT BY SUBSCRIBING WITNESS(ES)

State of County of ss.:

On before me, the undersigned, personally appeared

the subscribing witness(es) to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that he/she/they reside(s) in (if the place of residence is in a city, include the street and street number, if any, thereof);

PETER S. D'AMATO
Notary Public, State of New York
No. 30-4704845, Qual. in Nassau Co.
Certificate Filed in Kings County
Commission Expires 12-31-05

that he/she/they know(s)

to be the individual(s) described in and who executed the foregoing instrument; that said subscribing witness(es) was (were) present and saw said

execute the same; and that said witness(es) at the same time subscribed his/her/their name(s) as a witness(es) thereto.

(☐ if taken outside New York State insert city or political subdivision and state or country or other place acknowledgment taken) And that said subscribing witness(es) made such appearance before the undersigned in

(signature and office of individual taking acknowledgment)

RECEIVED 1760308

Executor's Deed

TITLE NO.

Grace Palumbo

TO

St. Marks 4th Avenue Realty Corp.

SECTION 4
BLOCK 934
LOT 14
COUNTY OR TOWN Kings
STREET ADDRESS 8-08 St. Marks Place Bklyn. N.Y.

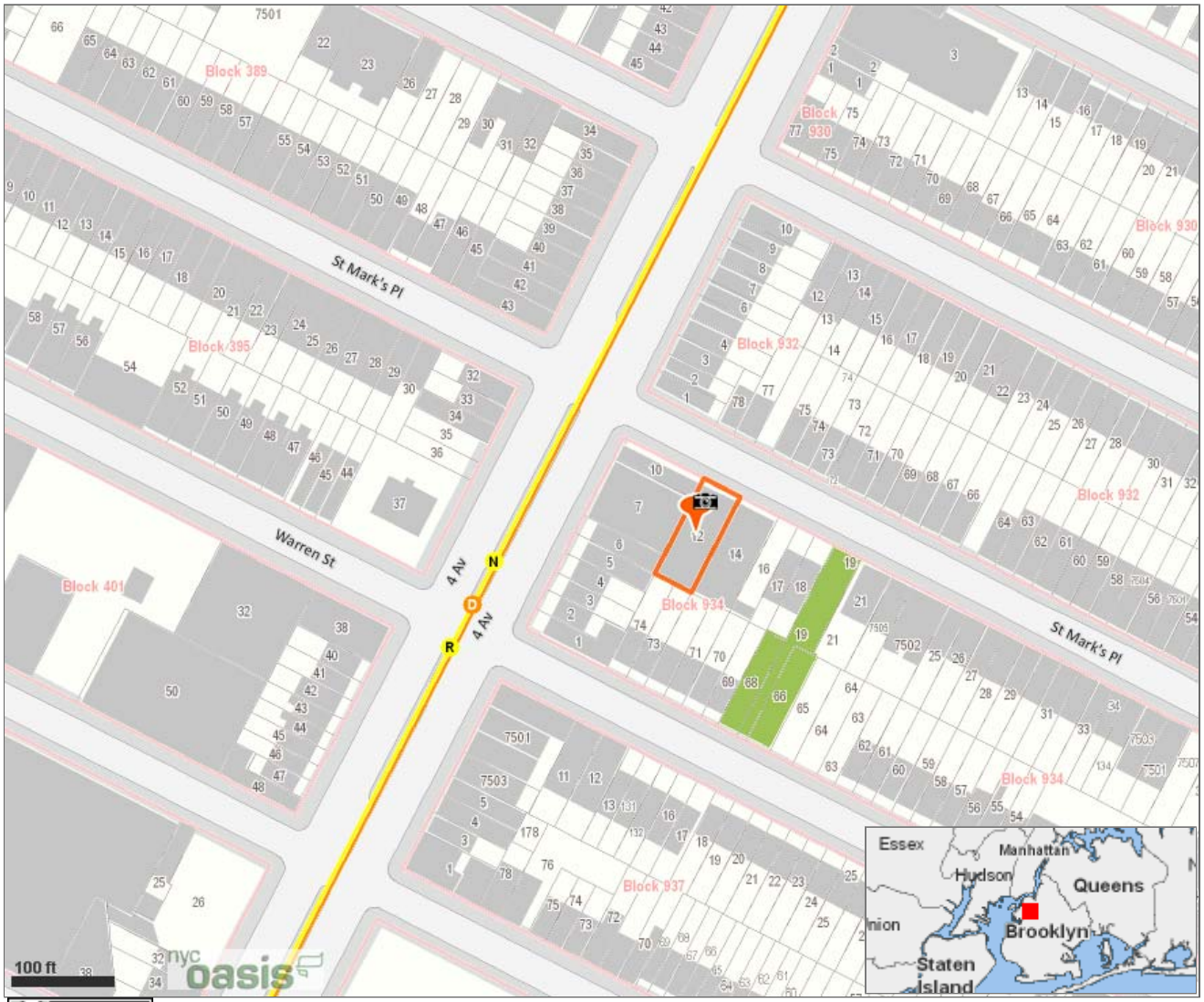
RETURN BY MAIL TO:

Mr. John Palumbo
St. Marks 4th Ave Realty
118 Purdy Avenue
Staten Island, NY

Zip No. 10314

RESERVE THIS SPACE FOR USE OF RECORDING OFFICE

80 St. Marks Place - Lot 12



Legend

Transit, Roads, Reference Features

Roads, ferries, commuter rail, neighborhood names

- Roads
- Major Roads
- Interstate Highways
- Tunnels
- Neighborhood/Town Labels
- County Boundaries
- Ferry
- Commuter Rail
- NYC subway routes and stations

Parks, Playgrounds, & Open Space

- Parks & Public Lands
- Forested Areas (NJ)
- Community Gardens
- School property with garden
- Playgrounds
- Green Spaces Along Streets
- Golf Courses
- Baseball/Soccer/Football Fields
- Tennis/Basketball/Handball Courts & Tracks
- Cemeteries

Land Use

Block/Lot Boundaries

(Building footprints in gray)

(Not all items in the legend may be visible on the map.)

Location Report

Property Information (1)

80 ST MARK'S PLACE, BROOKLYN 11217

Industrial / Manufacturing

Owner: ST MARKS 4TH AVE RLTY
Block: 934 **Lot:** 12
Property Characteristics:
Lot Area: 4,000 sq ft (40' x 100')
# of Buildings: 1 **Year built:** 1971
# of floors: 1 **Building Area:** 6,000 sq ft
Total Units: 1 **Residential Units:** 0
Primary zoning: R8A **Commercial Overlay:** C2-4
Floor Area Ratio: 1.5 **Max. FAR:** 6
FAR may depend on street widths or other characteristics. Contact City Planning Dept. for latest information.
MORE INFO:

- **Zoning Map#:** 16c
- NYC Dept. of Buildings
- Property transaction records
- NYC Dept. of Finance Assessment Roll
- NYC Digital Tax Map
- NYC zoning guide
- NYC Watershed Resources

OASIS shortcut to this property:
http://www.oasisnyc.net/printmap.aspx?zoomto=lot:3009340012

YAHOO! Local search results for this address:

Know of something that's missing? Add it to YAHOO!

Stewards (1)

Spoke the Hub Dancing, Inc
Feedback? Email Us.

Stewards with large turfs (not mapped)

Community District (1)

Brooklyn 6 Community District Information
Chairperson: Mr. Richard Bashner
District Manager: Mr. Craig Hammerman
Address: 250 Baltic Street, Brooklyn, NY, 11201
Phone: 718-643-3027 **Email:** info@brooklyncb6.org
Website: http://www.brooklyncb6.org/
Meeting Information:
Go to District Profile by NYC Dept. of City Planning

Political Districts (5)

NYC Council: District 33
NYS Assembly: District 57
NYS Senate: District 18

NYC Buildings

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NYC Department of Buildings

Property Profile Overview

82 ST MARKS PLACE **BROOKLYN 11217** **BIN# 3018648**

ST MARK'S PLACE 80 - 82

Health Area	: 2600	**Tax Block**	: 934
Census Tract	: 129.01	**Tax Lot**	: 12
Community Board	: 306	**Condo**	: NO
Buildings on Lot	: 1	**Vacant**	: NO

View DCP Addresses... Browse Block

View Zoning Documents View Challenge Results View Certificates of Occupancy

Cross Street(s):	4 AVENUE, 5 AVENUE		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	N/A	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	NO
Additional BINs for Building:	NONE		

Special District: NONE

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

Department of Finance Building Classification: E9-WAREHOUSE

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

	Total	Open
Complaints	1	0
Violations-DOB	0	0
Violations-ECB (DOB)	0	0
Jobs/Filings	0	
ARA / LAA Jobs	0	
Total Jobs	0	
Actions	15	

OR Enter Action Type:

OR Select from List:

Select...

AND Show Actions

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
After Hours Variance Permits

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.

Buildings

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NYC Department of Buildings

Actions

Page: 1

Premises: 82 ST MARKS PLACE BROOKLYN **BIN: 3018648** **Block: 934** **Lot: 12**

NUMBER		TYPE	FILE DATE
ALT 3201/54		ALTERATION	08/11/1954
ALT 1268/67		ALTERATION	07/11/1967
ALT 1266/70		ALTERATION	07/30/1970
BN 6368/60		BUILDING NOTICE	12/07/1960
BN 2653/68		BUILDING NOTICE	05/07/1968
BN 5638/68		BUILDING NOTICE	11/04/1968
BN 203-87		BUILDING NOTICE	01/30/1987
CERT 155241/57	(PDF)	CERTIFICATE OF OCCUPANCY	04/08/1957
CERT 203145A/70	(PDF)	CERTIFICATE OF OCCUPANCY	01/28/1970
CERT 207007/72	(PDF)	CERTIFICATE OF OCCUPANCY	01/31/1972

Next

Enter Action Type: Or Select from List: Select... Refresh

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NYC Department of Buildings

Actions

Premises: 82 ST MARKS PLACE BROOKLYN **BIN: 3018648** **Block: 934** **Lot: 12**

NUMBER	TYPE	FILE DATE
DOC 28220/68	DOCKET	04/12/1968
DOC 31709/71	DOCKET	12/03/1971
ES 13472/25	ELECTRIC SIGN	07/23/1925
ES 10124/25	ELECTRIC SIGN	08/01/1925
SPR 1429/55	SPRINKLERS	06/01/1955

Previous

Enter Action Type: Or Select from List: Select... Refresh

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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.

Environmental Business Consultants
Name

1808 Middle Country Road, Ridge
Address

New York 11961
State Zip Code

(631)504-6000
Telephone Number

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**

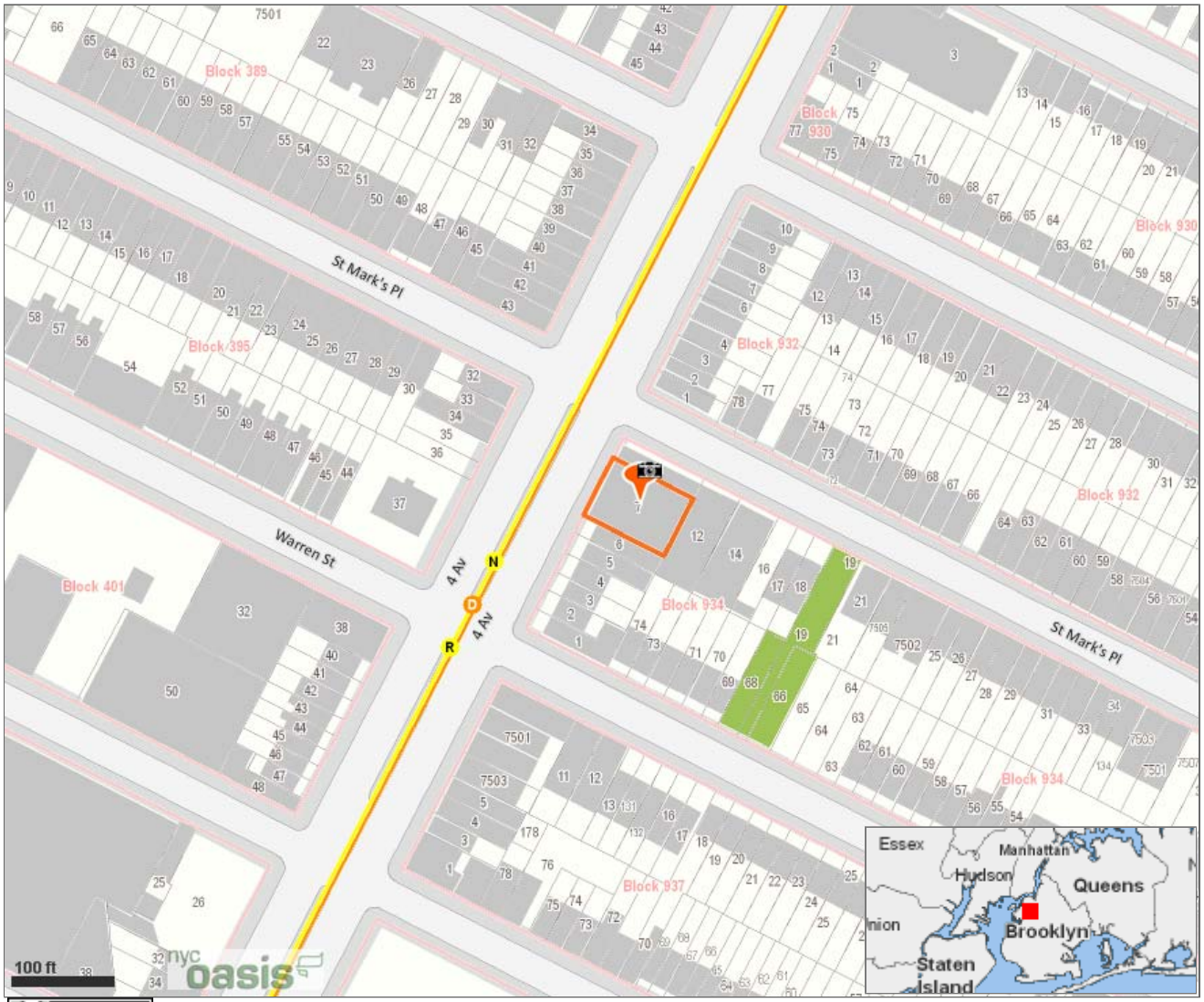
85	4th Avenue	Brooklyn
House Number	Street Name	Borough

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

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

PR3 (July-08)

85 4th Avenue - Lot 7



Legend

Transit, Roads, Reference Features

Roads, ferries, commuter rail, neighborhood names

- Roads
- Major Roads
- Interstate Highways
- Tunnels
- Neighborhood/Town Labels
- County Boundaries
- Ferry
- Commuter Rail
- NYC subway routes and stations

Parks, Playgrounds, & Open Space

- Parks & Public Lands
- Forested Areas (NJ)
- Community Gardens
- School property with garden
- Playgrounds
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- Golf Courses
- Baseball/Soccer/Football Fields
- Tennis/Basketball/Handball Courts & Tracks
- Cemeteries

Land Use

Block/Lot Boundaries

(Building footprints in gray)

(Not all items in the legend may be visible on the map.)

Location Report

Property Information (1)

85 4 AVENUE, BROOKLYN 11217

Industrial / Manufacturing

Owner: ST MARKS 4TH AVE REAL
Block: 934 **Lot:** 7
Property Characteristics:
Lot Area: 4,930 sq ft (60' x 82.17')
# of Buildings: 1 **Year built:** 1920
# of floors: 2 **Building Area:** 9,600 sq ft
Total Units: 2 **Residential Units:** 0
Primary zoning: R8A **Commercial Overlay:** C2-4
Floor Area Ratio: 1.95 **Max. FAR:** 6
FAR may depend on street widths or other characteristics. Contact City Planning Dept. for latest information.
MORE INFO:

- **Zoning Map#:** 16c
- NYC Dept. of Buildings
- Property transaction records
- NYC Dept. of Finance Assessment Roll
- NYC Digital Tax Map
- NYC zoning guide
- NYC Watershed Resources

OASIS shortcut to this property:
http://www.oasisnyc.net/printmap.aspx?zoomto=lot:3009340007

YAHOO! Local search results for this address:
Delcor Associates Incorporated
Know of something that's missing? Add it to YAHOO!

Stewards (1)

Spoke the Hub Dancing, Inc
Feedback? Email Us.

Stewards with large turfs (not mapped)

Community District (1)

Brooklyn 6 Community District Information
Chairperson: Mr. Richard Bashner
District Manager: Mr. Craig Hammerman
Address: 250 Baltic Street, Brooklyn, NY, 11201
Phone: 718-643-3027 **Email:** info@brooklyncb6.org
Website: http://www.brooklyncb6.org/
Meeting Information:
Go to District Profile by NYC Dept. of City Planning

Political Districts (5)

NYC Council: District 33
NYS Assembly: District 57

NYC Buildings

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NYC Department of Buildings

Property Profile Overview

85 4 AVENUE **BROOKLYN 11217** **BIN# 3018646**

4 AVENUE 83 - 85

Health Area	: 2600	**Tax Block**	: 934
Census Tract	: 129.01	**Tax Lot**	: 7
Community Board	: 306	**Condo**	: NO
Buildings on Lot	: 1	**Vacant**	: NO

View DCP Addresses... Browse Block

View Zoning Documents View Challenge Results View Certificates of Occupancy

Cross Street(s):	ST MARK'S PLACE, WARREN STREET		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	N/A	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	NO
Additional BINs for Building:	NONE		

Special District: NONE

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

Department of Finance Building Classification: E9-WAREHOUSE

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

	Total	Open
Complaints	3	0
Violations-DOB	1	0
Violations-ECB (DOB)	3	2
Jobs/Filings	11	
ARA / LAA Jobs	0	
Total Jobs	11	
Actions	19	

OR Enter Action Type:

OR Select from List:

Select...

AND Show Actions

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
After Hours Variance Permits

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.

Buildings

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NYC Department of Buildings

Actions

Page: 1

Premises: 85 4 AVENUE BROOKLYN **BIN: 3018646 Block: 934 Lot: 7**

NUMBER		TYPE	FILE DATE
BN 1589-81-85/55		BUILDING NOTICE	10/10/1955
BN 1025-81-85/79		BUILDING NOTICE	07/26/1979
BN 672-81		BUILDING NOTICE	05/08/1981
BN 673-81-83/81		BUILDING NOTICE	05/08/1981
CERT 158905/58ISSUED NB261/54	(PDF)	CERTIFICATE OF OCCUPANCY	01/07/1958
CERT 300409733	(PDF)	CERTIFICATE OF OCCUPANCY	01/02/1997
DEM 370/43		DEMOLITION	10/07/1943
DOC 7339/1957		DOCKET	10/10/1957
DOC1 BDOFS&A101855BUL43VOL40			11/07/1955
DOC1 CONT.LSL63953ANB261/54			11/07/1955

Next

Enter Action Type: Or Select from List: Select... Refresh

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Buildings

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NYC Department of Buildings

Actions

Premises: 85 4 AVENUE BROOKLYN **BIN: 3018646 Block: 934 Lot: 7**

NUMBER	TYPE	FILE DATE
DOC1 CONT.APPEALGRANT ON COND		11/07/1955
DOC2 BDOFS&ABUL51VOL40CALNO		01/03/1956
DOC2 63955A NB261/54APPEAL		01/03/1956
DOC2 HAPEND&RESOLUTN AMENDED		01/03/1956
NB 938/53	NEW BUILDING	07/13/1953
NB 261/64 1STORY,MEZ,WAREHS	NEW BUILDING	03/05/1954
PRS 2951/55	PLUMBING REPAIR SLIP	09/06/1955
PRS 2121-81/58	PLUMBING REPAIR SLIP	05/16/1958
SPR 3157-81-85/55	SPRINKLERS	11/16/1955
V* 051888E122871	DOB VIOLATION DISMISSED	00/00/1988
DISMISSAL DATE: 12/18/1996	**AGENCY LICENSE:** CIAJMD	**BADGE NO.:**

Previous Next

Enter Action Type: Or Select from List: Select... Refresh

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NYC Department of Buildings

Overview for Complaint #:3037184 = RESOLVED

Complaint at: **85 4 AVENUE** **BIN:** 3018646 **Borough:** **BROOKLYN** **ZIP:** **11217**

Re: ILLEGAL APARTMENT IN CCOMMERCIAL AREA 0N RND FLOOR WITHOUTPERMITS, CONTRARY TO CERTIFICATE OF OCCUPANCY

Category Code: 32 C OF O - NOT BEING COMPLIED WITH

DOB District: N/A
Special District:

Assigned To: BROOKLYN BOROUGH OFFICE **Priority:** C

Received: 09/12/1994 09:15 **Block:** 934 **Lot:** 7 **Community Board:** 306
Owner: ST MARKS 4 AVE REALTY CO

Last Inspection: 09/28/1994 - - BY BADGE # 0340
Disposition: 10/26/1994 - B1 - BUILDINGS VIOLATION(S) PREPARED & ATTEMPT TO SERVE WILL BE MADE
Comments: SCHOOL AND SLEEPING QUARTED ON 2ND FLOOR AT TIME OF INSPECTION
DOB Violation #: 92994C6C01

Complaint Disposition History

Disposition Date	Disposition Code	Disposition	Inspection By	Date
09/16/1994	C1	INSPECTOR UNABLE TO GAIN ACCESS - 1ST ATTEMPT - NO ANSWEREVTO DOOR BELL	0340	09/14/1994
10/26/1994	B1	BUILDINGS VIOLATION(S) PREPARED & ATTEMPT TO SERVE WILL BE MADE SCHOOL AND SLEEPING QUARTED	0340	09/28/1994
10/26/1994	B1	BUILDINGS VIOLATION(S) PREPARED & ATTEMPT TO SERVE WILL BE MADE SCHOOL AND SLEEPING QUARTED ON 2ND FLOOR AT TIME OF	0340	09/28/1994

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

NYC Department of Buildings

ECB Violation Details

Premises: 85 4 AVENUE BROOKLYN **Filed At: 81 4 AVENUE , BROOKLYN , NY 11217**

BIN: 3018646 Block: 934 Lot: 7 **Community Board: 306**

ECB Violation Summary — VIOLATION OPEN

ECB Violation Number: 34111688K

Severity: NON-HAZARDOUS

Certification Status: NO COMPLIANCE RECORDED
Hearing Status: STIPULATION/IN-VIO
Penalty Balance Due: $0.00

Respondent Information

Name: ST. MARKS 4TH AVE REAL
Mailing Address: , ,

Violation Details

Violation Date: 07/11/1994
Served Date: 07/27/1994
Violation Type: CONSTRUCTION
Inspection Unit:

Infraction Codes	Section of Law	Standard Description
B03	27-217	OCCUPANCY CONTRARY TO THAT ALLOWED BY THE C OF O BLDG DEPT RECORDS

Specific Violation Condition(s) and Remedy:

OCCUPANCY CONTRARY TO THE CERTIFICATE OF OCCUPANCY #158905. C/O STIPULATES STORAGE OF BUILDING MATERIALS 1ST FLOOR AND FACTORY 2ND FLOOR. 1ST FLOOR NOW RETAIL WITH MEZZ FJOR OFFICES 2ND FL. NOW USED AS SCHOOL

Issuing Inspector ID: 0340
DOB Violation Number: 071194C6C02
Issued as Aggravated Level: NO

Dept. of Buildings Compliance Information

Certification Status: NO COMPLIANCE RECORDED
Compliance On:

Stipulated Compliance Due Date: 11/29/1994

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

ECB Hearing Information

Scheduled Hearing Date: 09/12/1994
Hearing Time: 10:30
Hearing Status: STIPULATION/IN-VIO

ECB Penalty Information

Penalty Imposed: $800.00
Adjustments: $0.00
Amount Paid: $800.00

Penalty Balance Due: $0.00

ECB Violation History

Compliance Events

Hearing Events

Stipulation (at hearing): 09/12/1994

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.

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.

Environmental Business Consultants
Name

1808 Middle Country Road, Ridge
Address

New York 11961
State Zip Code

(631)504-6000
Telephone Number

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**

145-01 and 145-19	101st Avenue	Queens
House Number	Street Name	Borough

- [X] THE TOTAL AMOUNT AND SIZE OF EXISTING FUEL OIL / HEATING TANKS
- [X] THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED FUEL OIL / HEATING TANKS
- [X] THE TOTAL AMOUNT AND SIZE OF EXISTING BURIED MOTOR VEHICLE TANKS
- [X] 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)

87 4th Avenue - Lot 6

Transit, Roads, Rel

Roads, ferries, co
neighborhood nam

- Roads
- Major Roads
- Interstate Highways
- Tunnels
- NYC subwa

Parks, Playgrounds

- Parks & Pub
- Forested Ar
- Community
- School prop
- Playgrounds
- Green Spac
- Golf Course
- Baseball/So
- Tennis/Bask
- Tracks
- Cemeteries

Land Use

Block/Lot Bounda

(Building footpri

(Not all items in the legend

Location Report

Property Information (1)

87 4 AVENUE, BROOKLYN 11217

Mixed Residential & Commercial

Owner: ST MARKS 4TH AVE RLTY
Block: 934 **Lot:** 6
Property Characteristics:
Lot Area: 1,643 sq ft (20' x 82.17')
# of Buildings: 1 **Year built:** 1899 (Year built is an estimate)
# of floors: 4 **Building Area:** 3,500 sq ft
Total Units: 3 **Residential Units:** 2
Primary zoning: R8A **Commercial Overlay:** C2-4
Floor Area Ratio: 2.13 **Max. FAR:** 6
FAR may depend on street widths or other characteristics. Contact City Planning Dept. for latest information.
MORE INFO:

- **Zoning Map#:** 16c
- NYC Dept. of Buildings
- Property transaction records
- NYC Dept. of Finance Assessment Roll
- NYC Digital Tax Map
- NYC zoning guide
- NYC Watershed Resources

OASIS shortcut to this property:
http://www.oasisnyc.net/printmap.aspx?zoomto=lot:3009340006

YAHOO! Local search results for this address:

Luna's Tire Shop

Know of something that's missing? Add it to YAHOO!

Stewards (1)

Spoke the Hub Dancing, Inc

Feedback? Email Us.

Stewards with large turfs (not mapped)

Community District (1)

Brooklyn 6 Community District Information
Chairperson: Mr. Richard Bashner
District Manager: Mr. Craig Hammerman
Address: 250 Baltic Street, Brooklyn, NY, 11201
Phone: 718-643-3027 **Email:** info@brooklyncb6.org
Website: http://www.brooklyncb6.org/
Meeting Information:
Go to District Profile by NYC Dept. of City Planning

Political Districts (5)

NYC Council: District 33
NYS Assembly: District 57
NYS Senate: District 18
US House of Representatives: District 11
US Senate: New York

NYC Buildings

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NYC Department of Buildings

Property Profile Overview

87 4 AVENUE **BROOKLYN 11217** **BIN# 3018645**

4 AVENUE 87 - 87

Health Area	: 2600	**Tax Block**	: 934
Census Tract	: 129.01	**Tax Lot**	: 6
Community Board	: 306	**Condo**	: NO
Buildings on Lot	: 1	**Vacant**	: NO

View DCP Addresses... Browse Block

View Zoning Documents View Challenge Results View Certificates of Occupancy

Cross Street(s):	ST MARK'S PLACE, WARREN STREET		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	HAZMAT	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	NO
Additional BINs for Building:	NONE		

Special District: NONE

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

Department of Finance Building Classification: S2-RESIDENCE-MULTI-U

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

	Total	Open
Complaints	10	0
Violations-DOB	0	0
Violations-ECB (DOB)	5	5
Jobs/Filings	1	
ARA / LAA Jobs	0	
Total Jobs	1	
Actions	3	

OR Enter Action Type:

OR Select from List:

Select...

AND Show Actions

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
After Hours Variance Permits

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NYC Buildings

NYC.gov always open

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NYC Department of Buildings

Application Details

Premises: 87 4 AVENUE BROOKLYN **Job No: 320255415**
BIN: 3018645 Block: 934 Lot: 6 **Document: 01 OF 1**
Job Type: A1 - ALTERATION TYPE 1

Document Overview | Items Required | Virtual Job Folder | All Permits | Schedule A | Schedule B
Fees Paid | Forms Received | All Comments | C/O Summary | Plumbing Inspections
Plan Examination
After Hours Variance Permits

This job is not subject to the Department's Development Challenge Process. For any issues, please contact the relevant borough office.

---------- * Legalization Accepted -- $7,168.00 * ----------

Last Action: PRE-FILING 01/03/2011 (A)

Pre-Filed: 01/03/2011 **Building Type:** 1, 2, or 3 Family **Estimated Total Cost:** $85,000.00
Date Filed: **Fee Structure:** STANDARD **Filing Method:** E-FILED
Review is requested under Building Code: Prior-to-1968

Job Description Comments

1 Location Information (Filed At)

House No(s): 87 **Street Name:** 4 AVENUE
Borough: Brooklyn **Block:** 934 **Lot:** 6 **BIN:** 3018645 **CB No:** 306
Work on Floor(s): CEL,001,002,003 **Apt/Condo No(s):**

2 Applicant of Record Information

Name: ASIT B MAITY
Business Name: CITY WIDE ENGINEERING, P.C. **Business Phone:** 718-206-4202
Business Address: 159-03 HILLSIDE AVENUE 2ND FLOOR JAMAICA NY 11432 **Business Fax:** 718-206-4203
E-Mail: CITYWIDEENGINEERING@YAHOO.COM **Mobile Telephone:**
License Number: 061337
Applicant Type: ☒ P.E. ☐ R.A ☐ Sign Hanger ☐ Other

Directive 14 Applicant
Not Applicable
Previous Applicant of Record
Not Applicable

3 Filing Representative

Name: REHAN/MARIA ALAM/LEKHA
Business Name: CITY WIDE ENGINEERING, P.C. **Business Phone:** 718-206-4202
Business Address: 159-03 HILLSIDE AVENUE 2ND FLOOR JAMAICA NY 11432 **Business Fax:** 718-206-4203
E-Mail: CITYWIDEENGINEERING@YAHOO.COM **Mobile Telephone:**
Registration Number: X03967

4 Filing Status

Click Here to View

5 Job Types

- [X] **Alteration Type 1**
  - [ ] Change in Exits/Egress
  - [ ] Change in Number of Stories
  - [ ] Change in Number of Dwelling Units
  - [ ] Change in Room Count / Dwelling Units
  - [X] Change in Occupancy / Use
  - [ ] Change inconsistent with current Cert. of Occup.
- [ ] **Alteration Type 1, OT "No Work"**
- [ ] **New Building**
- [ ] **Alteration Type 2**
- [ ] **Alteration Type 3**
- [ ] **Sign**
- [ ] **Full Demolition**
- [ ] **Subdivision: Improved**
- [ ] **Subdivision: Condo**

Directive 14 acceptance requested? [ ] Yes [X] No

6 Work Types

- [ ] **BL - Boiler**
- [ ] **FA - Fire Alarm**
- [ ] **FB - Fuel Burning**
- [ ] **FS - Fuel Storage**
- [ ] **FP - Fire Suppression**
- [ ] **MH - Mechanical**
- [ ] **PL - Plumbing**
- [ ] **SD - Standpipe**
- [ ] **SP - Sprinkler**
- [ ] **EQ - Construction Equipment**
- [ ] **CC - Curb Cut**
- [X] **OT -** GEN. CONSTR

7 Plans/Construction Documents Submitted

Plans Page Count: Not Provided

8 Additional Information

Enlargement proposed?

[X] No [ ] Yes [ ] Horizontal [ ] Vertical

9 Additional Considerations, Limitations or Restrictions

Yes	No		
[ ]	[N]	**Structural peer review required per BC §1627**	**Peer Reviewer License No.(P.E.):**
[ ]	[N]	**Filed to Comply with Local Law**	**Local Law No./Year:**
[ ]	[N]	**Other, Specify:**	
[ ]	[N]	**Restrictive Declaration / Easement**	
[ ]	[N]	**Zoning Exhibit Record (I,II,III,etc)**	
[ ]	[N]	**Landmark**	
[Y]	[ ]	**Filed to Address Violation(s)**	
		Violation No(s): 34818337H 34818338J 34781627J 34781628L 34846176Y	
[Y]	[ ]	**Legalization**	
[Y]	[ ]	**"Little E" Hazmat Site**	
[ ]	[N]	**Unmapped Street**	
[ ]	[N]	**Adult Establishment**	
[ ]	[N]	**Compensated Development (Inclusionary Housing)**	
[ ]	[N]	**Low Income Housing (Inclusionary Housing)**	
[ ]	[N]	**Single Room Occupancy (SRO) Multiple Dwelling**	
[ ]	[N]	**Filing includes Lot Merger / Reapportionment (If Yes,17)**	
[ ]	[N]	**Includes permanent removal of standpipe, sprinkler or fire suppression related systems**	
[ ]	[N]	**Work includes partial demolition as defined in AC §28-101.5**	
[ ]	[N]	**Structural Stability affected by proposed work**	
[ ]	[ ]	**Work includes lighting fixture and/or controls, installation or replacement. [§ECC 404 and 505]**	
[ ]	[N]	**Site Safety Job / Project**	

Yes	No	
[ ]	[N]	**Included in LMCCC**
[ ]	[N]	**Infill Zoning**
[ ]	[N]	**Loft Board**
[ ]	[N]	**Quality Housing**

BSA Calendar No.(s):

CPC Calendar No.(s):

10 NYCECC Compliance ***New York City Energy Conservation Code*** **(Applicant Statement)**

[ ] **To the best of my knowledge, belief and professional judgment, this application is in compliance with the NYCECC.**

- [ ] **Energy analysis is on another job number:**

Yes	No	
[ ]	[ ]	**This application is, or is part of, a project that utilizes trade-offs among different major systems**
[ ]	[ ]	**This application utilizes trade-offs within a single major system**

[X] **To the best of my knowledge, belief and professional judgment, all work under this application is exempt from the NYCECC in accordance with one of the following:**

- [X] **Work in an exempt building:**
- [ ] **The work is an alteration of State or National historic building.**

☐ **The scope of work is entirely in a low-energy building and is limited to the building envelope.**
☐ **The scope of work does not affect the energy use of the building.**
☐ **This is a post-approval amendment and exempt under a prior edition of the energy code.**

11 Job Description

FILED TO: 1. LEGALIZE ALL USES INCLUDING TIRE SHOP AND SECURE A CERTIFICATE OF OCCUPANCY FOR ENTIRE BUILDING.

Related BIS Job Numbers:

Primary application Job Number:

12 Zoning Characteristics

District(s): R8A - GENERAL RESIDENCE DISTRICT
Overlay(s): C2-4 - LOCAL SERVICE DISTRICT
Special District(s):
Map No.: 16c **Street legal width (ft.):** 120 **Street status:** ☒ Public ☐ Private
Zoning lot includes the following tax lots: Not Provided

Proposed: Use	Zoning Area (sq.ft.)	District	FAR
COMMERCIAL	1,456	C2-4	1.00
Proposed Totals:	1,456	--	1.00
Existing Total:	1,640	--	--

Proposed Lot Details: **Lot Type:** ☐ Corner ☒ Interior ☐ Through
Lot Coverage (%): 2 **Lot Area (sq.ft.):** 1,640 **Lot Width (ft.):** 2

Proposed Yard Details: ☒ No Yards **Or**
Front Yard (ft.): **Rear Yard (ft.):** **Rear Yard Equivalent (ft.):**
Side Yard 1 (ft.): **Side Yard 2 (ft.):**

Proposed Other Details: **Perimeter Wall Height (ft.):** 33
Enclosed Parking? ☐ Yes ☒ No **No. of parking spaces:**

13 Building Characteristics

		2008 Code Designations?
Occupancy Classification: Existing:	COM - COMMERCIAL BUILDINGS - OLD CODE	☐ Yes ☒ No
Proposed:	B - BUSINESS	☒ Yes ☐ No
Construction Classification: Existing:	2: FIRE-PROTECTED STRUCTURES	☐ Yes ☒ No
Proposed:	2: FIRE-PROTECTED STRUCTURES	☐ Yes ☒ No
Multiple Dwelling Classification: Existing:		
Proposed:		
Building Height (ft.): Existing:	33	
Proposed:	33	
Building Stories: Existing:	4	
Proposed:	4	
Dwelling Units: Existing:	2	
Proposed:	2	

Building was originally erected pursuant to which Building Code: ☐ 2008 ☐ 1968 ☒ Prior to 1968
Building will fully comply with which Code with this Certificate of Occupancy: ☐ 2008 ☐ 1968 ☒ Prior to 1968
Mixed use building? ☐ Yes ☐ No

14 Fill

☒ **Not Applicable** ☐ **Off-Site** ☐ **On-Site** ☐ **Under 300 cubic yards**

15 Construction Equipment

Not Applicable

16 Curb Cut Description

Not Applicable

17 Tax Lot Characteristics

Not Provided

18 Fire Protection Equipment

Existing	Proposed	Existing	Proposed

	Yes	No	Yes	No		Yes	No	Yes	No
Fire Alarm	☐	☒	☐	☒	Sprinkler	☐	☒	☐	☒
Fire Suppression	☐	☒	☐	☒	Standpipe	☐	☒	☐	☒

19 Open Spaces

Not Provided

20 Site Characteristics

Yes	No		Yes	No	
☐	☒	Tidal / Fresh Water Wetlands	☐	☒	Fire District
☐	☒	Urban Renewal	☐	☒	Flood Hazard Area

21 Demolition Details

Not Applicable

22 Asbestos Abatement Compliance

☐ **The scope of work requires related asbestos abatement as defined in the regulations of the NYC Department of Environmental Protection (DEP).**

☐ **The scope of work does not require related asbestos abatement as defined in the regulations of the NYC DEP.**

☒ **The scope of work is exempt from the asbestos requirement as defined in the regulations promulgated by the NYC DEP (15 RCNY 1-23(b)).**

23 Signs

Not Applicable

24 Comments

25 Applicant's Statements and Signatures (See paper form or check Forms Received)

Yes	No	
☐	☐	**For New Building and Alteration 1 applications filed under the 2008 NYC Building Code only: does this building qualify for high-rise designation?**
☐	☐	**Directive 14 applications only: I certify that the construction documents submitted and all construction documents related to this application do not require a new or amended Certificate of Occupancy as there is no change in use, exits, or occupancy.**

26 Owner's Information

Name: MARTIN LUNA
Relationship to Owner: LESSEE
Business Name: LUNAS TIRE SHOP
Business Phone: 718-789-7386
Business Address: 87 4 AVENUE BROOKLYN NY 11217
Business Fax:
E-Mail:
Owner Type: INDIVIDUAL
Non Profit: ☐ Yes ☒ No

Yes	No	
☐	☒	**Owner's Certification Regarding Occupied Housing (Remain Occupied)**
☐	☒	**Owner's Certification Regarding Occupied Housing (Rent Control / Stabilization)**
☐	☐	**Owner DHCR Notification**
☐	☒	**Owner's Certification for Adult Establishment**
☐	☐	**Owner's Certification for Directive 14 (if applicable)**

Metes and Bounds

To view metes and bounds, see the Plot Diagram (form PD-1). A scanned image may be available here.

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

NYC Department of Buildings

Overview for Complaint #:3345195 = RESOLVED

Complaint at: **87 4 AVENUE** **BIN:** 3018645 **Borough:** **BROOKLYN** **ZIP:** **11217**

Re: OCCUPANCY CONTRARY TO THAT ALLOWED BY C OF O

Category Code: 31 CERTIFICATE OF OCCUPANCY - NONE/ILLEGAL/CONTRARY TO CO

DOB District: N/A
Special District:

Assigned To: BROOKLYN BOROUGH OFFICE **Priority:** C

Received: 06/15/2010 15:08 **Block:** 934 **Lot:** 6 **Community Board:** 306

Owner: ST MARKS 4TH AVE RLTY CORP

Last Inspection: 04/24/2010 - - BY BADGE # 0330
Disposition: 06/15/2010 - A8 - ECB VIOLATION SERVED
Comments: (HAZ) ALTERNATE SERVICE FOR CORPORATION VIOLATION. BASEMENT IS OCCUPIED AS TIRE SHOP, ENGAGED IN STORAGE & SALE OF TIRES
ECB Violation #s: 34846176Y

Complaint Disposition History

Disposition Date	Disposition Code	Disposition	Inspection By	Date

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

NYC Department of Buildings

Overview for Complaint #:3327391 = RESOLVED

Complaint at: **87 4 AVENUE** **BIN:** 3018645 **Borough:** **BROOKLYN** **ZIP:** **11217**

Re: FAILURE TO MAINTAIN BUILDING

Category Code: 73 FAILURE TO MAINTAIN

DOB District: N/A
Special District:

Assigned To: BROOKLYN BOROUGH OFFICE **Priority:** C

Received: 12/15/2009 11:01 **Block:** 934 **Lot:** 6 **Community Board:** 306

Owner: ST MARKS 4TH AVE RLTY CORP

Last Inspection: 11/10/2009 - - BY BADGE # 2342
Disposition: 01/28/2010 - A1 - BUILDINGS VIOLATION(S) SERVED
Comments: ALTERNATE SERVICE FOR CORPORATION VIOLATION. ILLEGAL TIRE STOP @ BASEMENT TIRES THROUGHOUT FROM FLOOR TO CEILING
ECB Violation #s: 34818337H 34818338J
Previous Violations: ECB: 34818337H - 34818338J

Complaint Disposition History

Disposition Date	Disposition Code	Disposition	Inspection By	Date
12/15/2009	A1	BUILDINGS VIOLATION(S) SERVED ALTERNATE SERVICE FOR CORPORATION VIOLATION. ILLEGAL TIRE	2348	11/10/2009
01/28/2010	A1	BUILDINGS VIOLATION(S) SERVED ALTERNATE SERVICE FOR CORPORATION VIOLATION. ILLEGAL TIRE STOP @ BASEMENT TIRES THROUGHOUT FROM FLOOR TO CEILING	2342	11/10/2009

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

NYC Department of Buildings

Overview for Complaint #:3307186 = RESOLVED

Complaint at: **87 4 AVENUE** **BIN:** 3018645 **Borough:** **BROOKLYN** **ZIP:** **11217**

Re: BIS37 BIS45 TIRE STORE IS OPERATING OUTSIDE ON SIDEWALK BLOCKING EGRESS FROM AND ACCESS TO 2ND FL. TIRES STACKED 2 STRS HIGH ON WOODEN STRUCTURE IN FRONT OF BLDGS

Category Code: 5A REQUEST FOR JOINT FDNY/DOB INSPECTION

DOB District: N/A
Special District:

Assigned To: BROOKLYN BOROUGH OFFICE **Priority:** B
Received from FDNY : E-226

Received: 06/04/2009 10:30 **Block:** 934 **Lot:** 6 **Community Board:** 306
Owner: ST MARKS 4TH AVE RLTY CORP

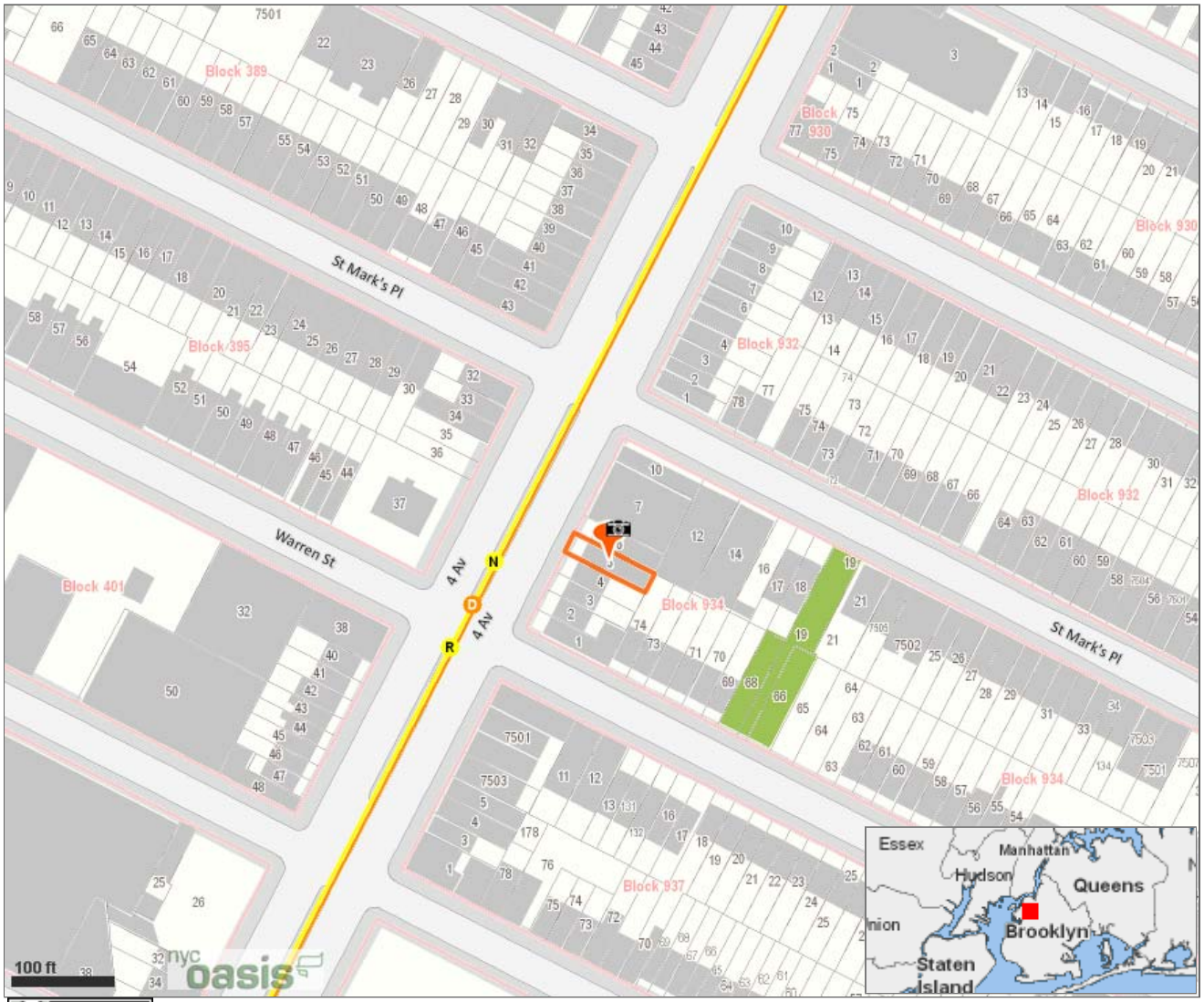
Last Inspection: 06/18/2009 - - BY BADGE # 1961
Disposition: 06/22/2009 - A8 - ECB VIOLATION SERVED
Comments: ILLEGAL OCCUPANCY AND IMPROPER FIRE STOPPING OFTIRE SHOP CREATING HAZARDOUS CONDITIONS
DOB Violation #: 061809C06GH01/02
ECB Violation #s: 34781627J 34781628L

Complaint Disposition History

Disposition Date	Disposition Code	Disposition	Inspection By	Date

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.

89 4th Avenue - Lot 5



Legend

Transit, Roads, Reference Features

Roads, ferries, commuter rail, neighborhood names

- Roads
- Major Roads
- Interstate Highways
- Tunnels
- *Neighborhood/Town Labels*
- County Boundaries
- Ferry
- Commuter Rail
- NYC subway routes and stations

Parks, Playgrounds, & Open Space

- Parks & Public Lands
- Forested Areas (NJ)
- Community Gardens
- School property with garden
- Playgrounds
- Green Spaces Along Streets
- Golf Courses
- Baseball/Soccer/Football Fields
- Tennis/Basketball/Handball Courts & Tracks
- Cemeteries

Land Use

Block/Lot Boundaries

(Building footprints in gray)

(Not all items in the legend may be visible on the map.)

Location Report

Property Information (1)

89 4 AVENUE, BROOKLYN 11217

Mixed Residential & Commercial

Owner: ST MARKS 4TH AVE RLTY
Block: 934 **Lot:** 5
Property Characteristics:
Lot Area: 1,643 sq ft (20' x 82.17')
# of Buildings: 1 **Year built:** 1899 (Year built is an estimate)
# of floors: 4 **Building Area:** 6,300 sq ft
Total Units: 4 **Residential Units:** 2
Primary zoning: R8A **Commercial Overlay:** C2-4
Floor Area Ratio: 3.83 **Max. FAR:** 6
FAR may depend on street widths or other characteristics. Contact City Planning Dept. for latest information.
MORE INFO:

- **Zoning Map#:** 16c
- NYC Dept. of Buildings
- Property transaction records
- NYC Dept. of Finance Assessment Roll
- NYC Digital Tax Map
- NYC zoning guide
- NYC Watershed Resources

OASIS shortcut to this property:
http://www.oasisnyc.net/printmap.aspx?zoomto=lot:3009340005

YAHOO! Local search results for this address:

Know of something that's missing? Add it to YAHOO!

Stewards (1)

Spoke the Hub Dancing, Inc
Feedback? Email Us.

Stewards with large turfs (not mapped)

Community District (1)

Brooklyn 6 Community District Information
Chairperson: Mr. Richard Bashner
District Manager: Mr. Craig Hammerman
Address: 250 Baltic Street, Brooklyn, NY, 11201
Phone: 718-643-3027 **Email:** info@brooklyncb6.org
Website: http://www.brooklyncb6.org/
Meeting Information:
Go to District Profile by NYC Dept. of City Planning

Political Districts (5)

NYC Council: District 33
NYS Assembly: District 57
NYS Senate: District 18

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Property Profile Overview

NO JOBS FOUND WITH YOUR CRITERIA

89 4 AVENUE **BROOKLYN 11217** **BIN# 3018644**

4 AVENUE 89 - 89

Health Area	: 2600	**Tax Block**	: 934
Census Tract	: 129.01	**Tax Lot**	: 5
Community Board	: 306	**Condo**	: NO
Buildings on Lot	: 1	**Vacant**	: NO

View DCP Addresses... Browse Block

View Zoning Documents View Challenge Results View Certificates of Occupancy

Cross Street(s):	ST MARK'S PLACE, WARREN STREET		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	N/A	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	NO
Additional BINs for Building:	NONE		

Special District: NONE

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

Department of Finance Building Classification: S9-RESIDENCE-MULTI-U

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

	Total	Open
Complaints	2	0
Violations-DOB	1	1
Violations-ECB (DOB)	0	0
Jobs/Filings	0	
ARA / LAA Jobs	0	
Total Jobs	0	
Actions	15	

OR Enter Action Type:

OR Select from List:

Select...

AND Show Actions

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
After Hours Variance Permits

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NYC Department of Buildings

Overview for Complaint #:3008903 = RESOLVED

Complaint at: **89 4 AVENUE** **BIN:** 3018644 **Borough:** **BROOKLYN** **ZIP:** **11217**

Re: ILLEGAL OCCUPANCY 2ND FL - CERTIFICATE OF 0CCUPANCY NOTBEING COMPLIED WITH

Category Code: 32 C OF O - NOT BEING COMPLIED WITH

DOB District: N/A
Special District:

Assigned To: BROOKLYN BOROUGH OFFICE **Priority:** C
Received from FDNY

Received: 04/19/1990 10:34 **Block:** 934 **Lot:** 5 **Community Board:** 306
Owner: ST MARKS-4TH AVE RLTY

Last Inspection: 06/11/1990 - - BY BADGE # 0737
Disposition: 06/14/1990 - B1 - BUILDINGS VIOLATION(S) PREPARED & ATTEMPT TO SERVE WILL BE MADE
Comments: VIOLATION FOR ILLEGAL SOCIAL CLUB AT 1STY CONTRARY TO C OF O 183591
DOB Violation #: 061190C06T04

Complaint Disposition History

Disposition Date	Disposition Code	Disposition	Inspection By	Date
05/24/1990	C1	INSPECTOR UNABLE TO GAIN ACCESS - 1ST ATTEMPT - NO ACCESS	0737	05/16/1990
06/14/1990	B1	BUILDINGS VIOLATION(S) PREPARED & ATTEMPT TO SERVE WILL BE MADE VIOLATION FOR ILLEGAL SOCIAL CLUB AT 1STY CONTRARY TO C OF O	0737	06/11/1990

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.

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.

Environmental Business Consultants
Name

1808 Middle Country Road, Ridge
Address

New York 11961
State Zip Code

(631)504-6000
Telephone Number

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**

87 and 89	4th Avenue	Brooklyn
House Number	Street Name	Borough

- [X] THE TOTAL AMOUNT AND SIZE OF EXISTING FUEL OIL / HEATING TANKS
- [X] THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED FUEL OIL / HEATING TANKS
- [X] THE TOTAL AMOUNT AND SIZE OF EXISTING BURIED MOTOR VEHICLE TANKS
- [X] 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)

EBC
ENVIRONMENTAL BUSINESSS CONSULTANTS

March 25, 2011

Freedom of Information Officer
New York City Department of Health
125 Worth Street
New York, New York 10013

Re: Freedom of Information Request
85 4th Avenue, Brooklyn, NY 11217
87 4th Avenue, Brooklyn, NY 11217
89 4th Avenue, Brooklyn, NY 11217
80 to 82 St. Marks Place, Brooklyn, NY 11217
Block 934, Lots 5, 6, 7, and 12

Dear Sir or Madam:

Environmental Business Consultants (EBC) has been retained to prepare a Phase I Environmental Site Assessment for the properties located at the above referenced addresses (Block 934 Lots 5, 6, 7 and 12 in Brooklyn).

We are requesting available copies of environmental files, records, and memoranda concerning the property. This information should include: 1) past and present underground storage tank registration(s); 2) reported spills or releases of hazardous substances; 3) generation, storage, treatment, or disposal of hazardous substances; 4) past or present groundwater, surface water, and soil investigations; 5) environmental permits/violations.

We will gladly pay copying costs.

Please advise if this request can be accommodated in an expedient manner. We would like to schedule an appointment to copy the file/records if this is not possible. Feel free to call with any questions or if additional information is needed to respond to this request.

Very truly yours,

Kevin R. Brussee
Project Manager

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
1808 Middle Country Road
Ridge, NY 11961
PHONE 631.504.6000
FAX 631.924.2870
E-MAIL kbrussee@optonline.net

E 42

CITY ENVIRONMENTAL QUALITY REVIEW

The City of New York

DEPARTMENT OF ENVIRONMENTAL PROTECTION
59-17 Junction Boulevard, 11th Floor
Elmhurst, NY 11373-5107
(718) 595-4809

DEPARTMENT OF CITY PLANNING
22 Reade Street, Room 4-E
New York, NY 10007-1216
(212) 720-3420

September 14, 1992

Mr. Douglas Brooks
Department of City Planning
Brooklyn Borough Office
16 Court Street
Brooklyn, New York 11241

Re: CEQR No. 90-254K
Park Slope North Rezoning
Brooklyn

Dear Mr. Brooks:

Under City Environmental Quality Review, the lead agencies are required to determine whether a proposed action may or will not have a significant effect on the environment. In accordance with this regulation, the Departments of Environmental Protection and City Planning as CEQR co-lead agencies, have determined that the proposed action will not have significant effect on the environment.

Enclosed is the Negative Declaration for CEQR No. 90-254K, the proposed rezoning of a 54-block area in the Park Slope North section of Brooklyn to Quality Housing multi-family contextual zones. The rezoning area consists of ten subareas that would be rezoned from R6 (with some C1-3 and C2-3 commercial overlays and two blocks fronts zoned M1-2) to R6A, R6B, R7A, R7B and R8A zones. To address potential hazardous materials concerns, the project would include an "E" designation on the zoning map for Block 198 (part of Lot 47 and all of Lot 48), Block 389 (Lot 10), Block 407 (Lot 26), and Block 934 (Lot 6). The rezoning area is generally bounded by Atlantic, Flatbush and Third Avenues, Plaza Street West

and Union Streets. This declaration also includes statements for the finding that the project will not have a significant effect.

Sincerely,

Annette M. Barbaccia
Director
Environmental Assessment
and Review Division
Department of City Planning

Joseph W. Ketas
Assistant Commissioner
Department of Environmental
Protection

AMB/JWK/as

c: Richard Schaffer
City Planning Commissioners
Thomas Jorling
Albert Appleton
Howard Golden
Barbara Rinaldi
Lance Michaels
Gail Benjamin
William Valletta
Eric Kober
Samuel Hornick
Lawrence Parnes
Carol Clark
Henry Colon
Jerry Renzine
Ed Helenius
Naim Rasheed
Gina Santucci
Regina Colletta
Ruth Goring
Milt Valenta
Tom Angotti
Robert Acito
Karen Johnson
Ismail Khan
Evelyn Williams
Gonzalo Corredor
Carlos Cuevas
Angela Licata
Jerry Armer

KJ/jyl

The City of New York

CITY ENVIRONMENTAL QUALITY REVIEW

DEPARTMENT OF ENVIRONMENTAL PROTECTION
59-17 Junction Boulevard, 11th Floor
Elmhurst, NY 11373-5107
(718) 595-4409

DEPARTMENT OF CITY PLANNING
22 Reade Street, Room 4-E
New York, NY 10007-1216
(212) 720-3420

NEGATIVE DECLARATION

Proposal No. 90-254K **Date Sent:** 9/14/92
Park Slope North Rezoning

Description: The proposed rezoning of a 54-block area in the Park Slope North section of Brooklyn to Quality Housing multi-family contextual zones. The rezoning area consists of ten sub-areas that would be rezoned from R6 (with some C1-3 and C2-3 commercial overlays and two blockfronts zoned M1-2) to R6A, R6B, R7A, R7B and R8A zones. To address potential hazardous materials concerns, the project would include an "E" designation on the zoning map for Block 198 (part of Lot 47 and all of Lot 48), Block 389 (Lot 10), Block 407 (Lot 26), and Block 934 (Lot 6).

The text of the "E" designation would be as follows:

Due to the presence of underground storage tanks containing petroleum products, or the on-site use of petroleum products, there is the potential for contamination of the soil and groundwater by existing or past leakage from such tanks or from on-site uses of petroleum products. To determine the extent of possible subsurface contamination associated with the underground storage tanks and to determine and perform appropriate remediation, the following tasks must be undertaken by the fee owners of the lots restricted by the "E" designation prior to any demolition or excavation of the site for development.

Task 1

The applicant must submit to the New York City Department of Environmental Protection (DEP) for review and approval, a soil gas, soil and groundwater testing protocol. No sampling program will begin until written approval of the protocol by DEP. The fee owner of the lots restricted by the "E" designation must perform any remediation as determined necessary by DEP.

The number and location of sample sites should be selected to adequately characterize the site, the specific source of suspected contamination and the condition of the remainder of the site. The

characterization should be complete enough to determine what remediation strategy (if any) is necessary after review of sampling data. Guidelines and criteria for choosing sampling sites and performing sampling will be provided by DEP upon request.

Task 2

A written report with findings and a summary of the data must be presented to DEP after completion of the testing phase and laboratory analysis for review and approval. After receiving such test results, a determination will be made by DEP if the results indicate that remediation is necessary.

If DEP determines that no remediation is necessary, written notice shall be given by DEP.

If remediation is necessary according to the test results, a proposed remediation plan must be submitted to DEP for review and approval. The fee owner of the lots must perform such remediation as determined necessary by DEP. After completion of said remediation, the applicant should provide proof that the work has been satisfactorily completed.

Location: The rezoning area is generally bounded by Atlantic, Flatbush and Third Avenues, Plaza Street West and Union Street (see attached list of blocks and lots) in Brooklyn Community Boards 2, 6 and 8.

STATEMENT OF NO SIGNIFICANT EFFECT:

The Departments of City Planning and Environmental Protection, as CEQR Lead Agencies, have determined that the proposed action will have no significant effect on the quality of the environment.

SUPPORTING STATEMENTS:

The above determination is based on an environmental assessment which finds that:

1) The above "E" designation is necessary due to the presence of underground storage tanks or the on-site use of petroleum products on five lots within the proposed rezoning area. There is the potential for soil and groundwater contamination from existing or past leaking from such tanks and determination is necessary to conclude if such contamination exists and to perform necessary remediation.

2) No other significant effects that would require the preparation of an Environmental Impact Statement are foreseeable.

Annette M. Barbaccia
Director
Environmental Assessment
and Review Division
Department of City Planning

Joseph W. Ketas
Assistant Commissioner
Department of Environmental
Protection

TABLE 1

BLOCKS AND LOTS OF THE
PARK SLOPE NORTH REZONING AREA

Subarea	Community District(s)	Existing Zoning	Proposed Zone	Block/Lots
1	2	R6	R7B	186/42(split), 49-61, 12(split) 192/1(split), 13-29, 30(split) 45(split), 46-64 198/3-8(split), 19-30, 32(split) [47(split), 481-64, 65(split) 389/10-31, 32(split), 45(split), 46-65, 66(split) 395/8-29, 44(split), 45-62 401/1(split), 32(split), 50(split)
2	6	R6	R8A	186/20-38, 42(split) 192/30(split), 31-44, 45(split) 198/32(split), 33-46, 47(split) 389/32(split), 34-43, 45(split) 395/30(split), 31-33, 34(split), 44(split) 928/1(split), 6, 13(split) 930/1,2,3(split), 6, 73(split), 74-77 932/1-10, 12(split), 77(split), 78 934/1-5,6*,7-10, 12(split), 77(spli
3	6	R6,M1-2	R7A	401/32(split), 38-48, 50(split) 407/25, [26]1-32(split, 34-36, 38-41(split) 413/35(split), 34-43, 45(split) 937/1-7, 11(split), 76(split), 78 940/1(split) 943/1-13, 14(split), 75 946/1-12, 13(split), 83(split), 84, 85 949/1-13, 14(split), 74(split) 952/1-8, 10(split), 69(split) 955/4(split), 6, 9(split), 78(split)

*Proposed E Designation to address buried gasoline tanks on site.

TABLE 1 (Cont'd)

Subarea	Community District(s)	Existing Zoning	Proposed Zone	Block/Lots
4	6	R6	R7A	928/27-36(split), 38-41, 43-51(split) 929/1 931/6-8(split), 9, 10-11(split), 13-18, 19(split), 20, 21(split), 22-27, 34-39(split) 933/25-32(split), 33-43, 44-51(split) 936/4-8(split), 12, 13, 17(split), 22, 35-37(split) 939/22-29(split), 30-34, 35(split), 39-42, 52(split) 1057/5(split), 14(split) - 19, 32-34(split) 1058/23-30(split), 31, 33(split) 35-39, 42(split) 1135/1-9, 11-22(split), 30-35 1143/1, 2, 3-5(split) 6, 7, 8-15(split), 88-91(split) 1150/1, 2, 3-4(split), 5, 6(split), 7-18, 19-24(split), 59-62(split) 105(split) 1164/1-6(split), 10-15, 19-24(split), 81-86(split)
5	6,8	R6	R6A	952/37(split), 38-68, 69(split) 953/1-5, 46(split), 47-81 954/1-4, 5(split), 49(split), 52-73 955/9(split), 13-30, 31-36(split), 37-44, 45-46(split) 956/5(split), 6-45, 47(split) 957/2-14, 17(split), 19-27, 29 (split)

TABLE 1 (Cont'd)

Subarea	Community District(s)	Existing Zoning	Proposed Zone	Block/Lots
6	6	R6	R6B	928/1(split), 13-26, 27-36(split), 40-51(split), 54-69 930/3(split), 13-31, 32(split), 47(split), 48-72, 73(split0 932/12(split), 13-37, 52-76, 77(split) 934/12(split), 14-36, 37(split), 47(split), 54-73, 74(split) 937/11(split), 12-35, 36(split), 41(split), 49(split), 50-75, 76(split) 940/1(split), 16, 117-127, 140(split), 54-63, 65(split), 250 943/4(split0, 15-36, 138, 139, 40, 140, 43(split), 49(split), 50-74 946/13(split), 14-42, 43(split), 56(split), 57-82, 83(split) 949/14(split), 15-41, 42(split), 55(split), 56-71, 74(split) 952/10(split), 12-25, 26-28(split), 29, 30 31(split)
7	6	R6	R6A	930/32(split), 35-46, 47(split) 932/38-51 933/1-10, 75 934/37(split), 38-46, 47(split) 935/1-11, 12(split), 73(split), 74 937/36(split), 38-40, 41(split), 43-46, 49(split) 938/1-10, 12(split), 77(split), 78 940/140(split) 941/1(split), 4-10, 12(split) 943/140(split), 43(split), 44-46 49(split) 944/1-10, 78(split) 946/43(split), 44-54, 56(split) 947/1-14 949/42(split), 44-51, 55(split) 950/1-9, 11(split), 72(split) 952/31(split), 32-36, 37(split) 953/6-10, 12(split)

TABLE 1 (Cont'd)

Subarea	Community District(s)	Existing Zoning	Proposed Zone	Block/Lots
8	6	R6	R6A	933/12-24, 25-32(split) 47-51(split), 52-73 935/12-73 936/1-3, 4-8(split), 31(split), 35-37 938/12(split), 13-76, 77(split) 939/1-21, 22-29(split), 35(split), 52(split), 53-71 941/12(split), 13-73, 74(split) 942/1-37, 38(split), 51(split), 52-78 944/12-77, 78(split) 945/1-35, 37(split), 50-77 947/15-79 948/1-37(split), 44-46(split), 51(split), 53-75 950/11(split), 12-70, 72(split) 951/1-38, 39(split), 43-95(split), 51-77 953/12(split), 13-45, 46(split) 954/5(split), 6-35, 36(split)
9	6	R6	R6A	931/1-5, 6-8(split), 10-11(split), 19(split), 21(split), 34-39(split) 942/38(split), 40-49, 51(split) 945/37(split), 39-42, 43(split), 44-48 948/37-46(split), 47, 48, 51(split) 951/39(split), 41, 43-45(split), 46-49 954/36(split), 37-50, 49(split) 957/29(split), 33 1057/1-4, 5(split), 34(split) 1058/1-11, 12(split), 27(split) 1059/1-11 1061/1-10, 12(split), 71(split) 1063/1-4, 5-7(split), 72(split) 1065/1-4, 5(split)

TABLE 1 (Cont'd)

Subarea	Community District(s)	Existing Zoning	Proposed Zone	Block/Lots
10	6	R6	R7B	1057/32-34(split) 1058/12(split), 13-19, 21-30(split), 33-42(split), 48-65, 66(split) 1059/13-64 1061/12(split), 13-70, 71(split) 1063/5-7(split), 10-71, 72(split) 1065/5(split), 6-23, 24(split), 26, 27-31(split)

APPENDIX C

SANBORN MAPS

Modern Way Lumber
81 4th Avenue
Brooklyn, NY 11217

Inquiry Number: 3016940.3
March 21, 2011

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

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

Certified Sanborn® Map Report

3/21/11

Site Name:
Modern Way Lumber
81 4th Avenue
Brooklyn, NY 11217

Client Name:
Env. Business Consultants
1808 Middle Country Road
Ridge, NY 11961

EDR Inquiry # 3016940.3

Contact: Charles Sosik

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Env. Business Consultants 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: Modern Way Lumber
Address: 81 4th Avenue
City, State, Zip: Brooklyn, NY 11217
Cross Street:
P.O. # NA
Project: HCO 1101
Certification # 961F-483E-9C5C

Maps Provided:

2007	2001	1987	1965
2006	1995	1985	1951
2005	1994	1982	1926
2004	1993	1980	1906
2003	1992	1979	1888
2002	1988	1978	

Sanborn® Library search results
Certification # 961F-483E-9C5C

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™

Limited Permission To Make Copies

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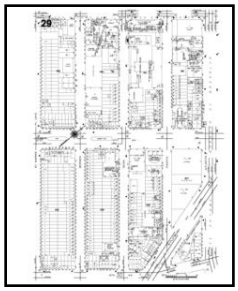
Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2007 Source Sheets

Volume 6, Sheet 28



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2006 Source Sheets

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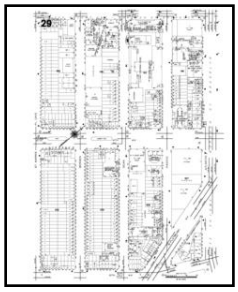

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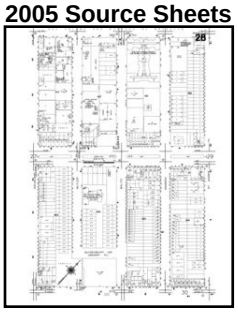

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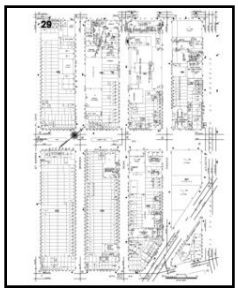

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2004 Source Sheets

Volume 6, Sheet 28

Volume 6, Sheet 29

2003 Source Sheets

Volume 6, Sheet 28

Volume 6, Sheet 29

2002 Source Sheets

Volume 6, Sheet 28

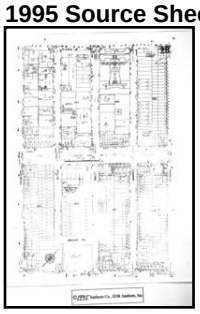
Volume 6, Sheet 29

2001 Source Sheets

Volume 6, Sheet 28

Volume 6, Sheet 29

1995 Source Sheets



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1994 Source Sheets

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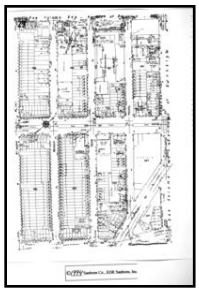

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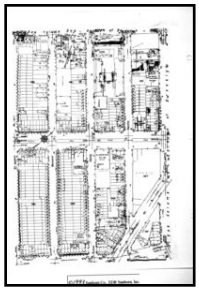

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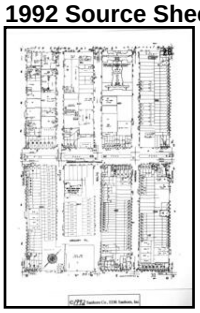

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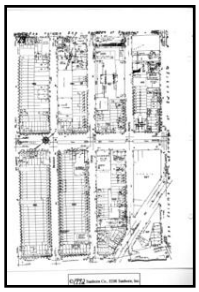

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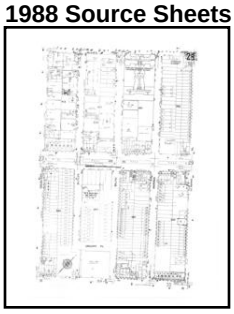

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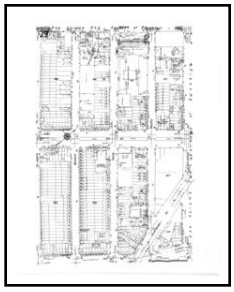

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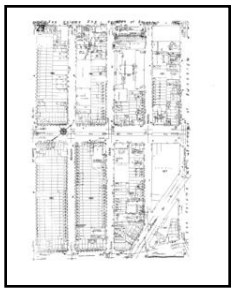

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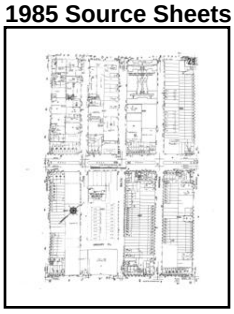

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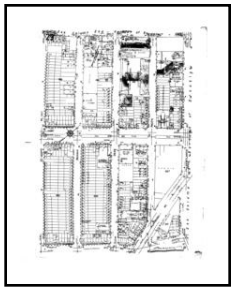

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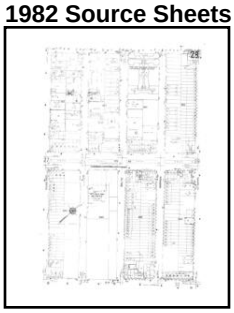

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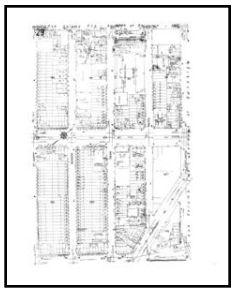

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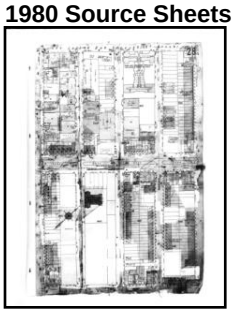

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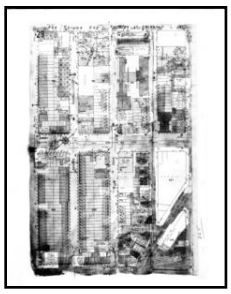

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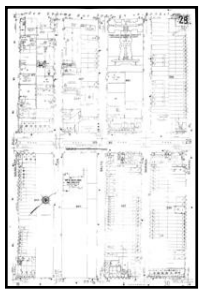

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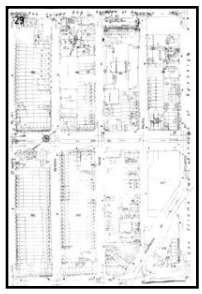

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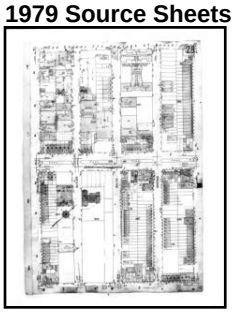

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Volume 6, Sheet 29

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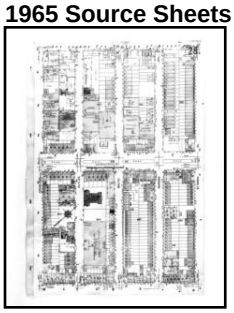

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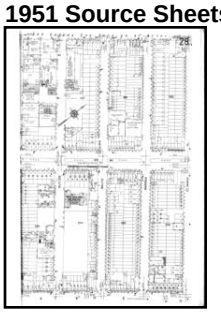

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1926 Source Sheets

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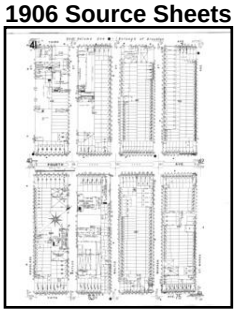

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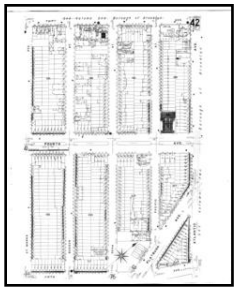

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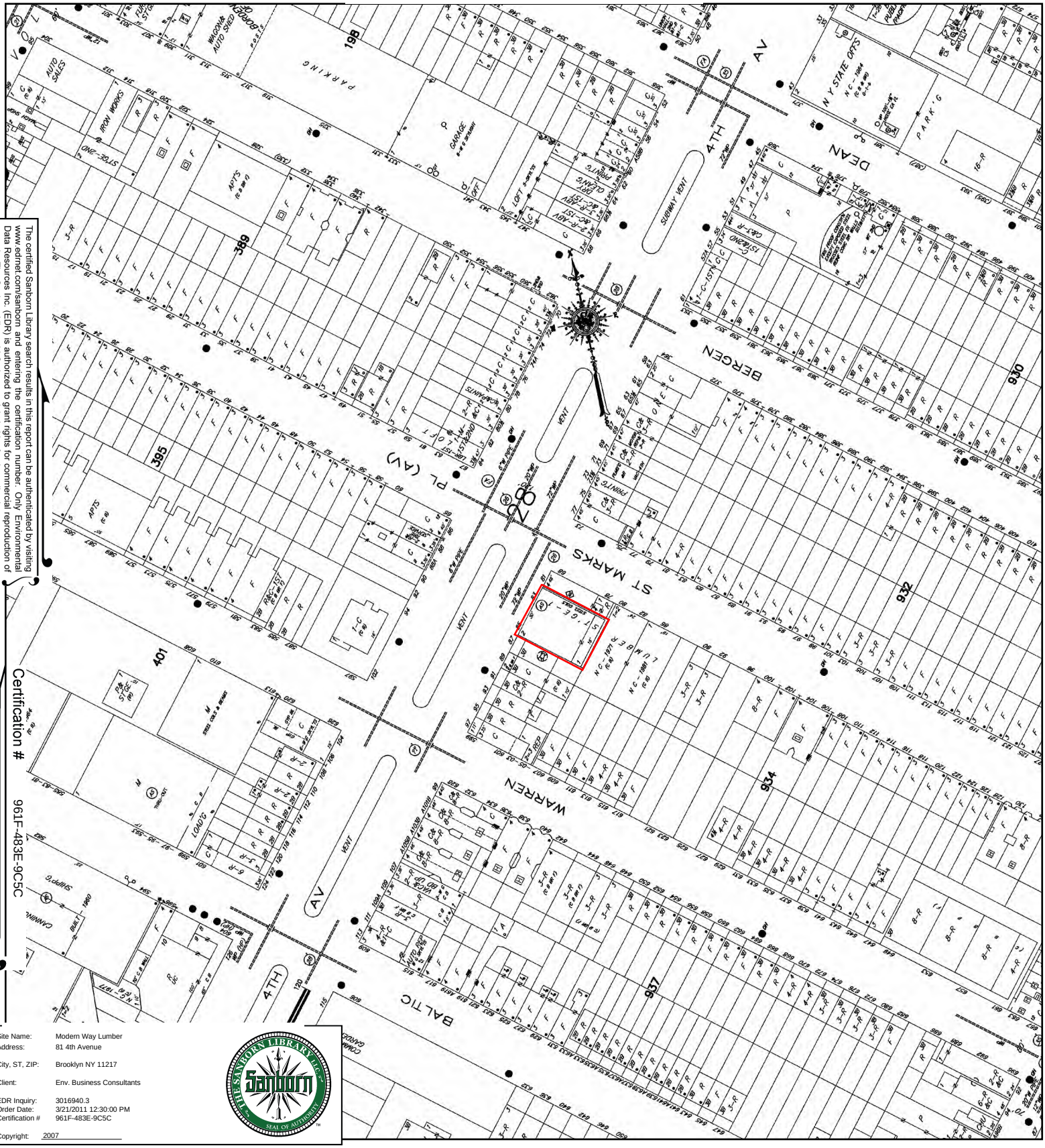

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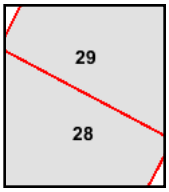

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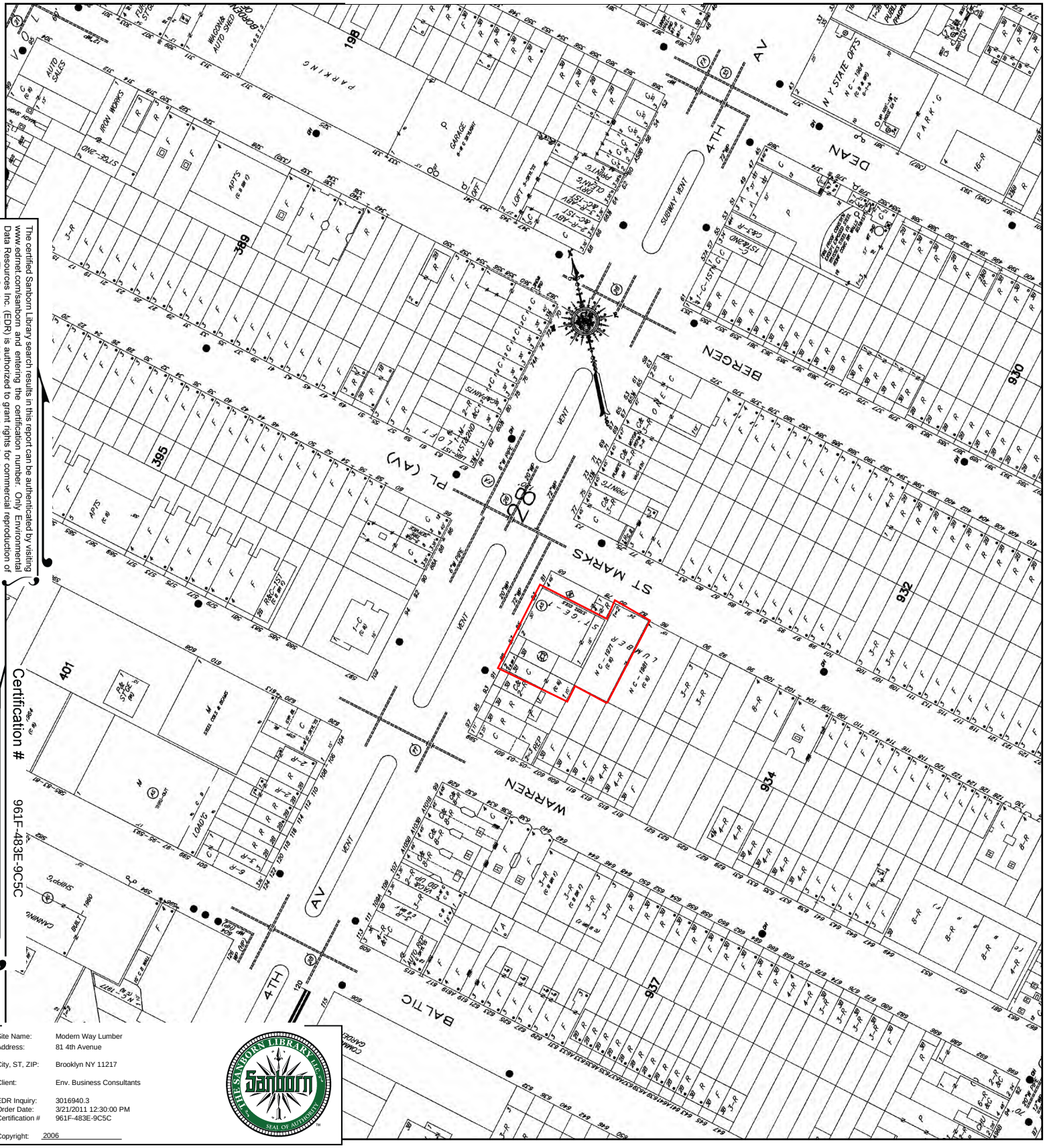

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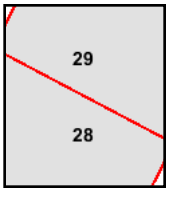

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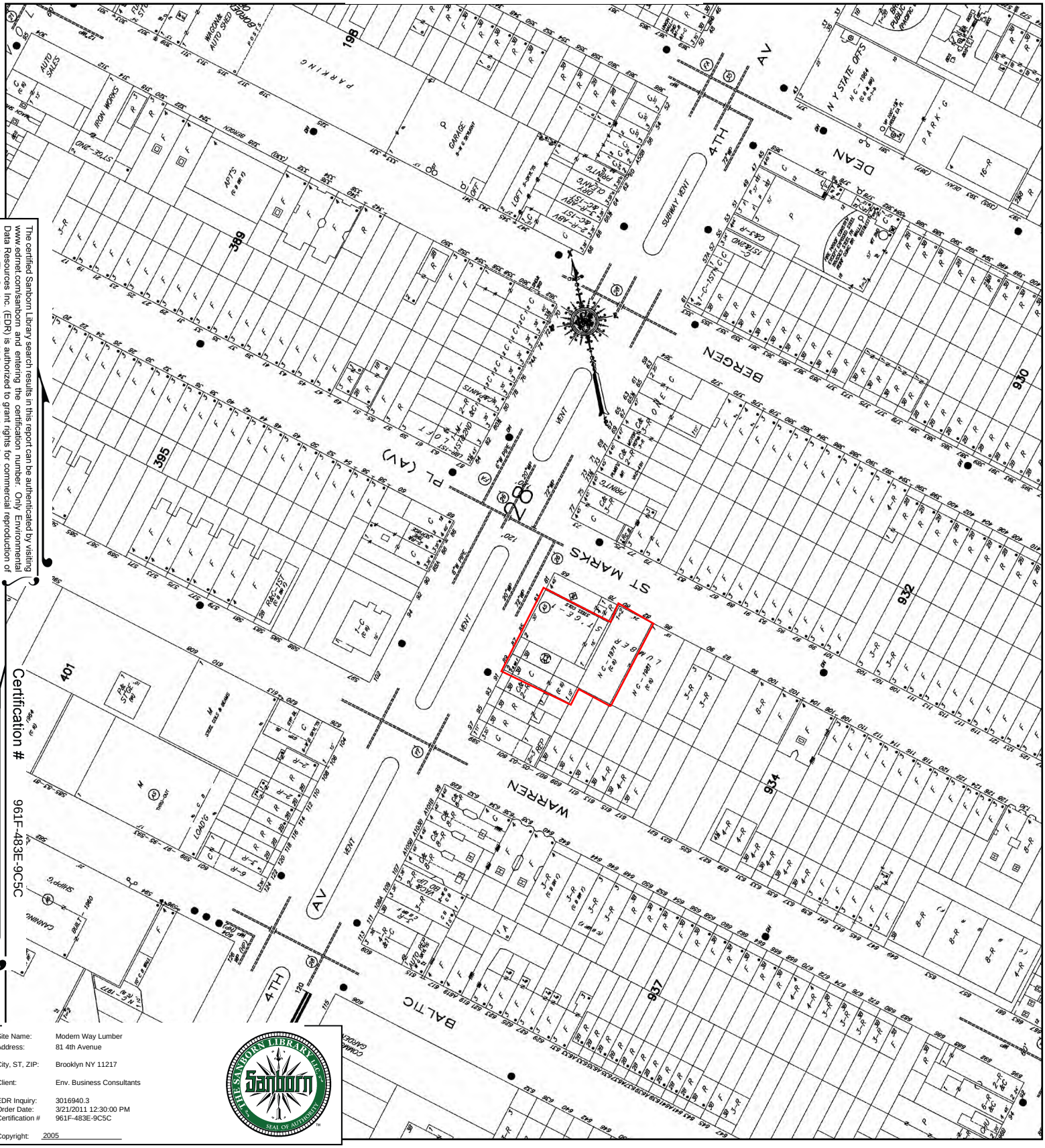

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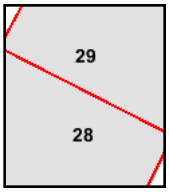

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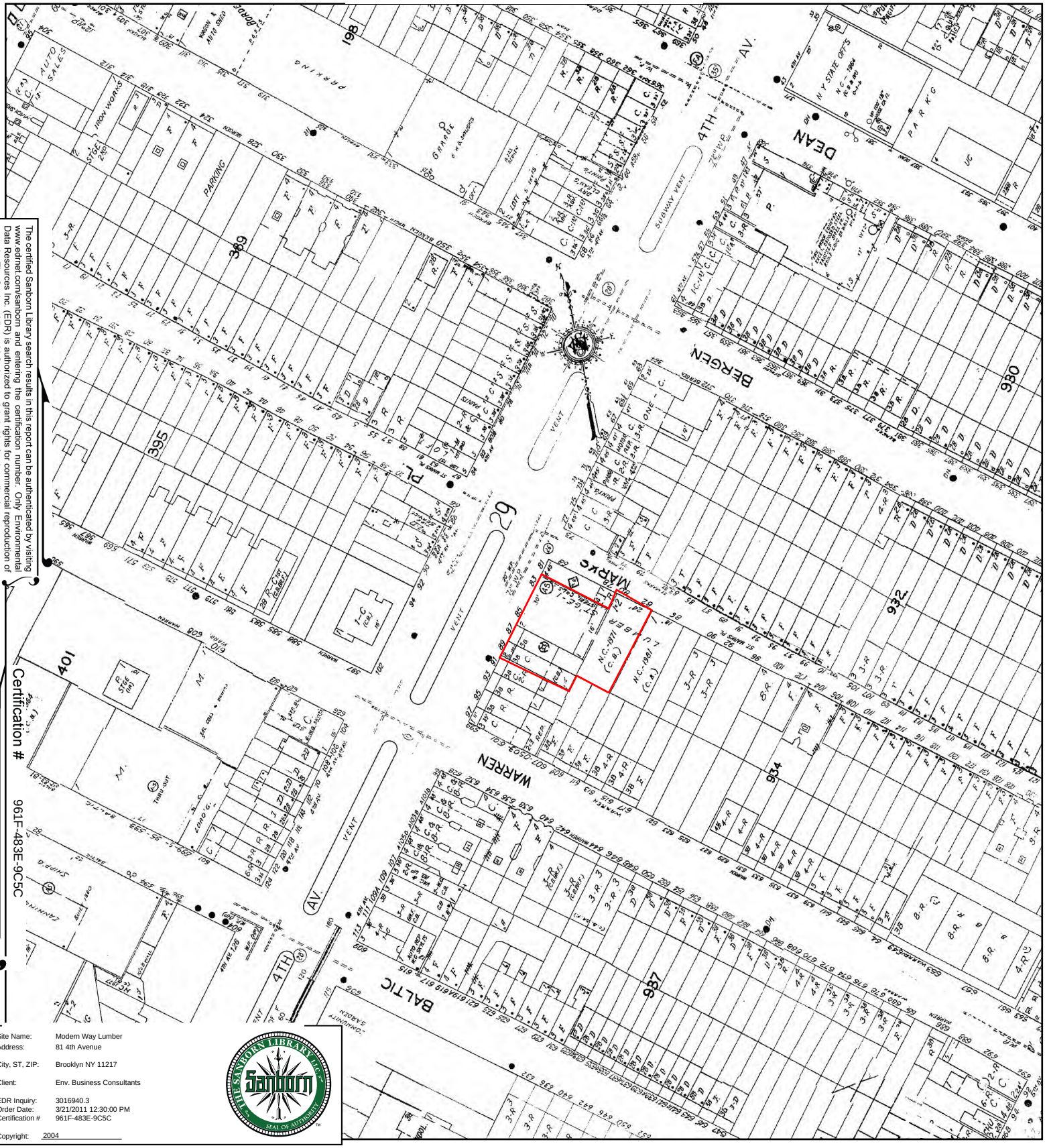

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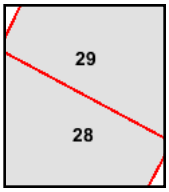

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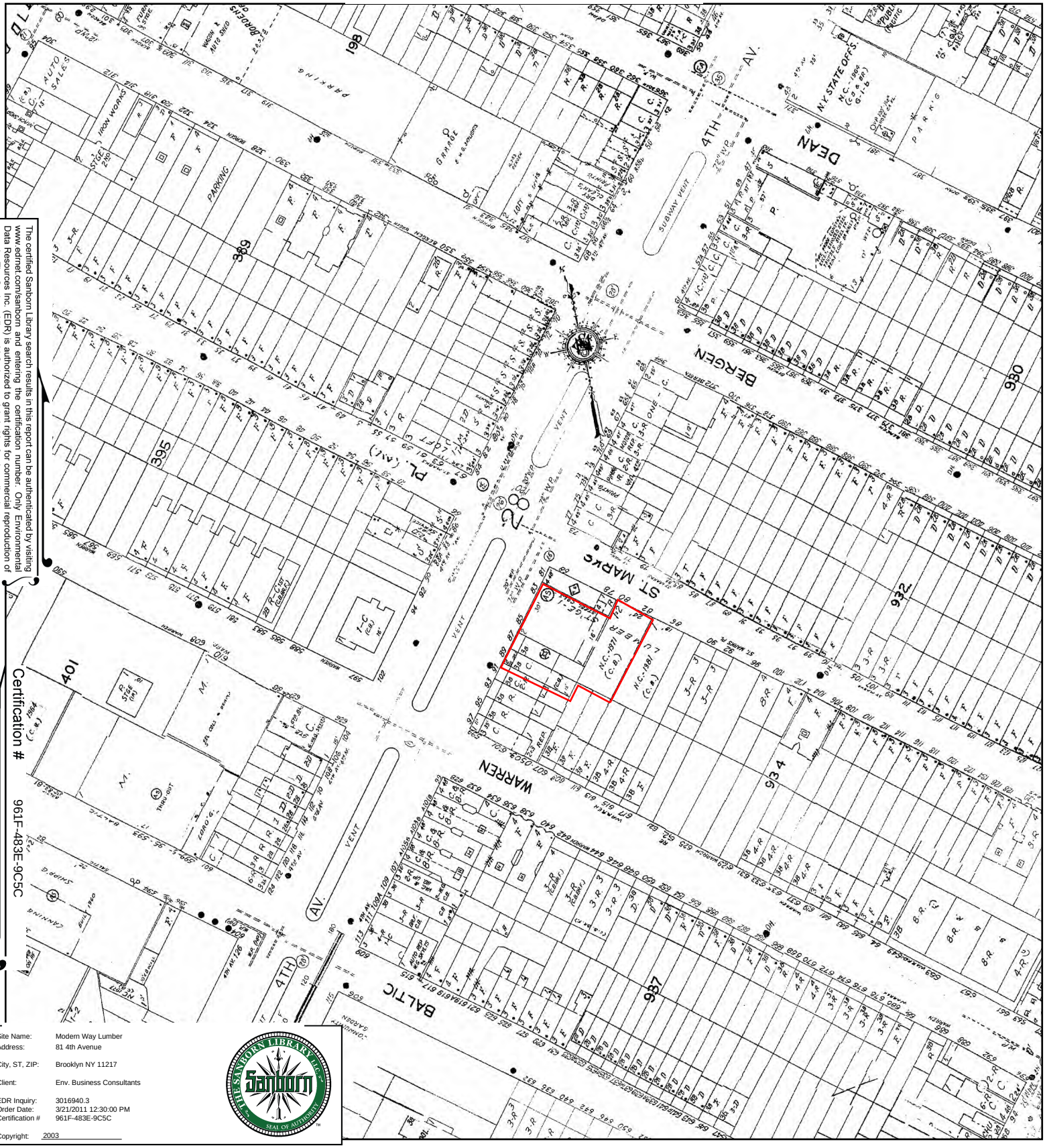

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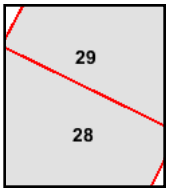

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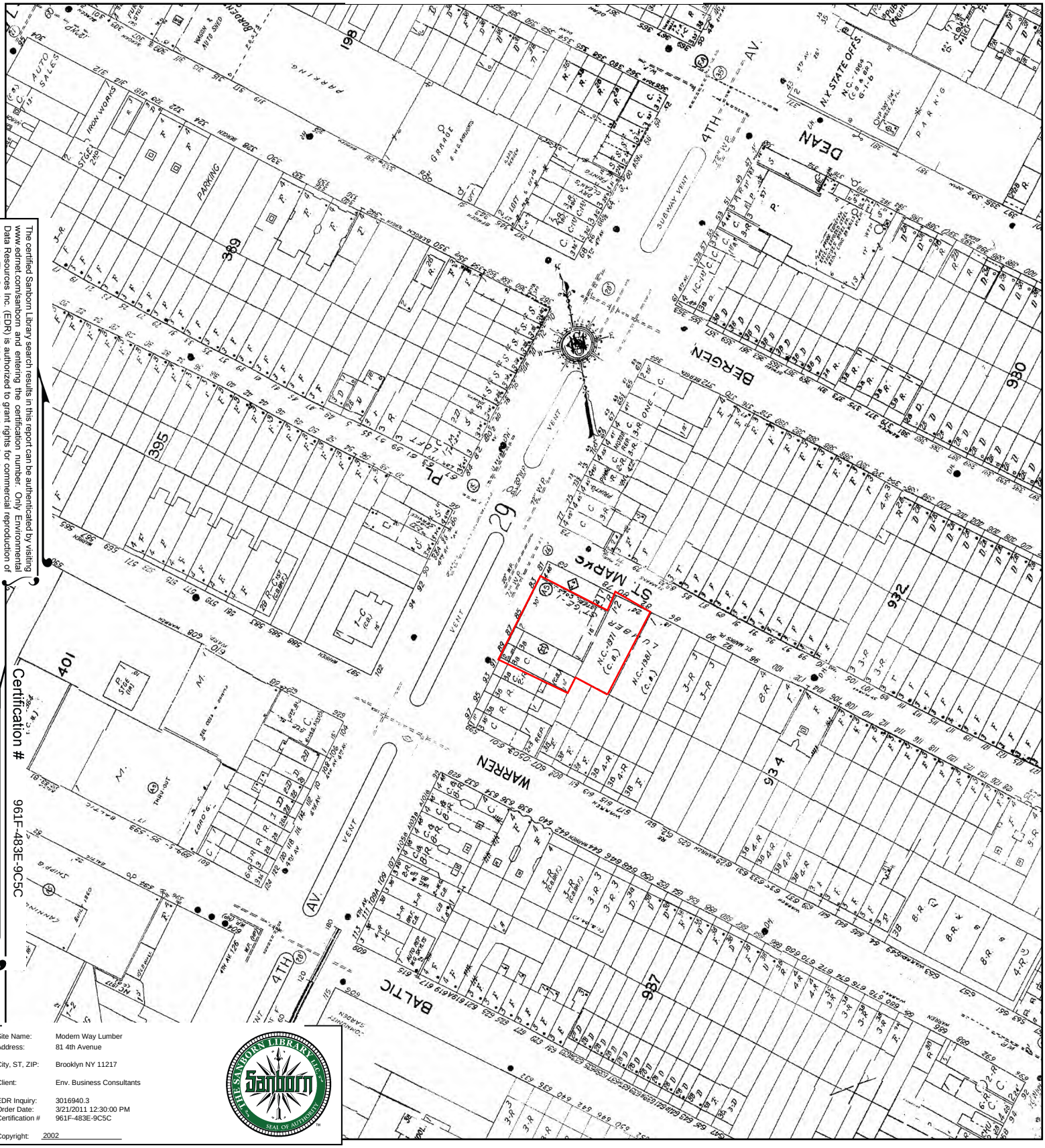

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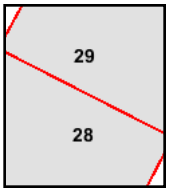

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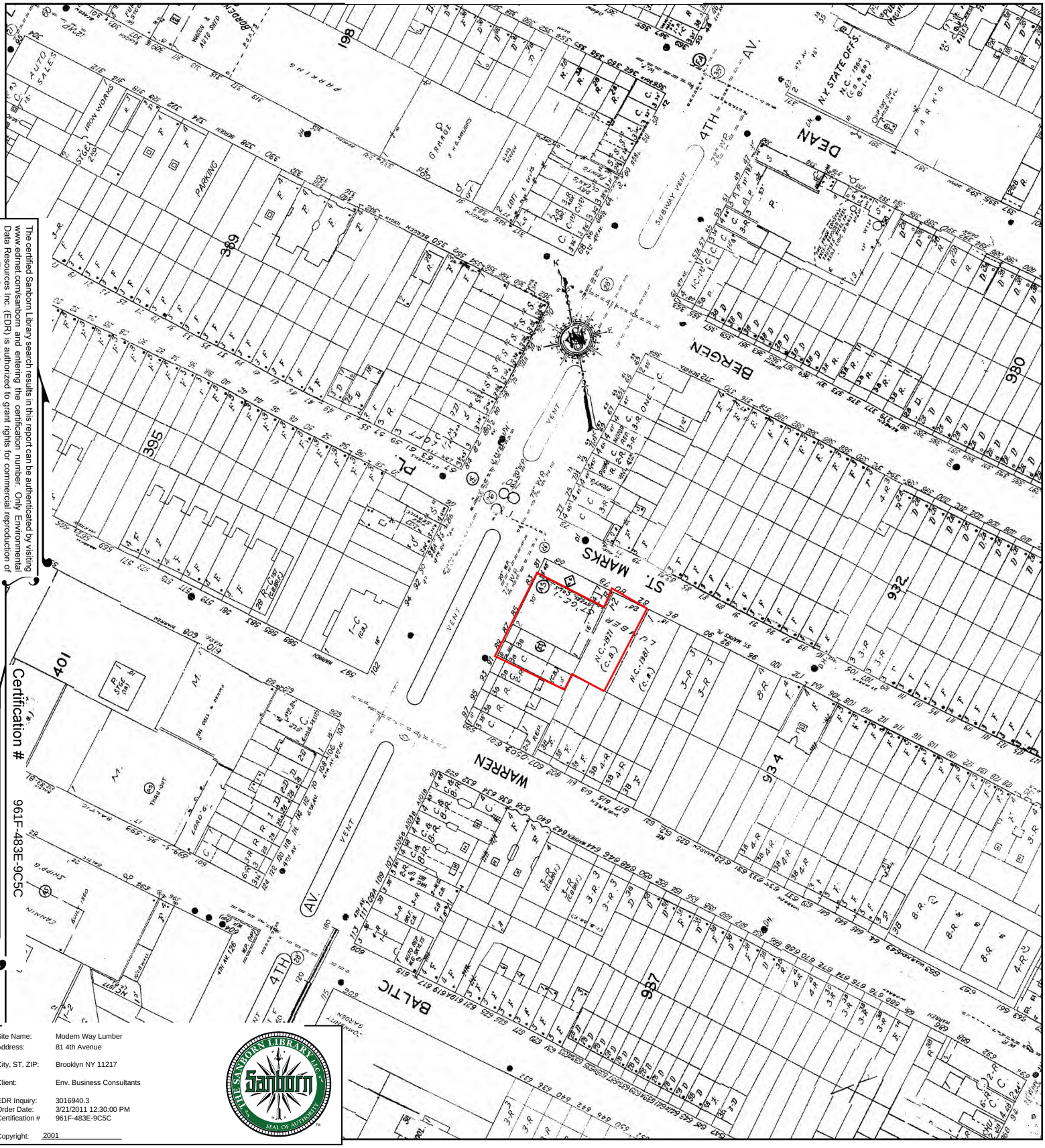

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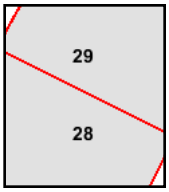

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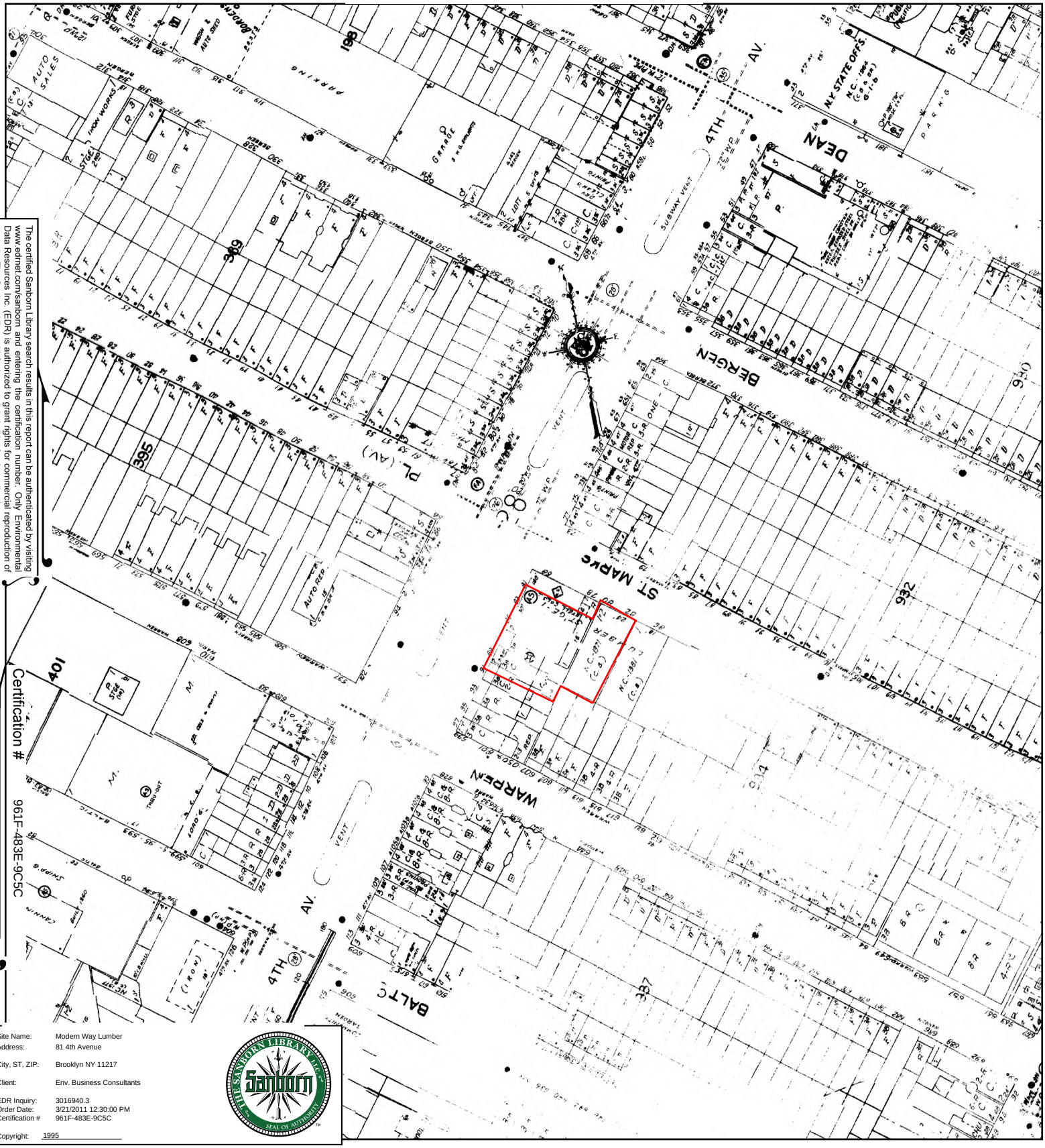

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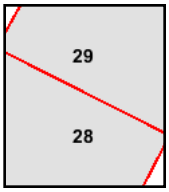

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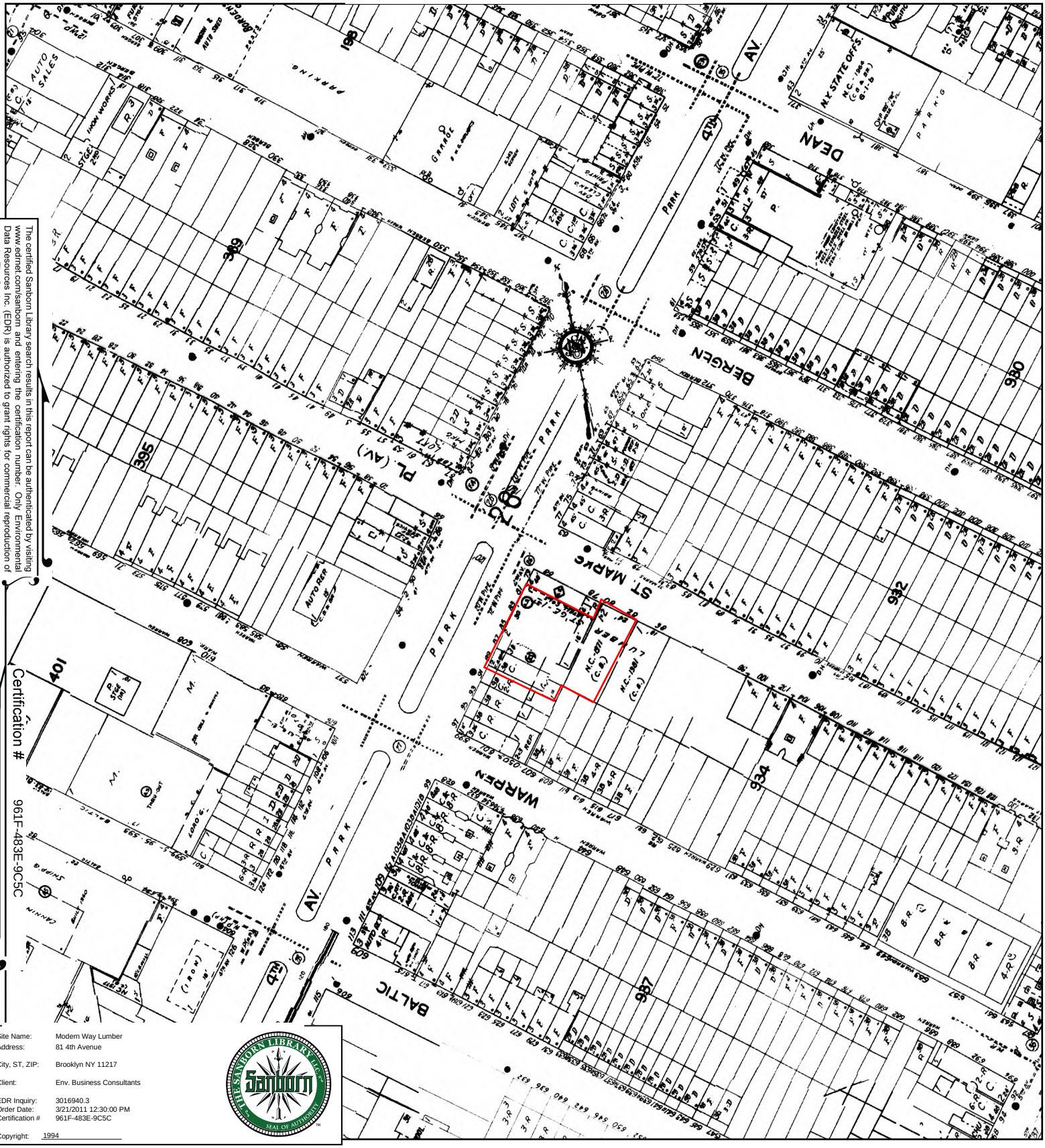

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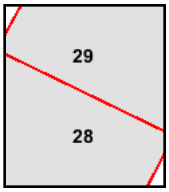

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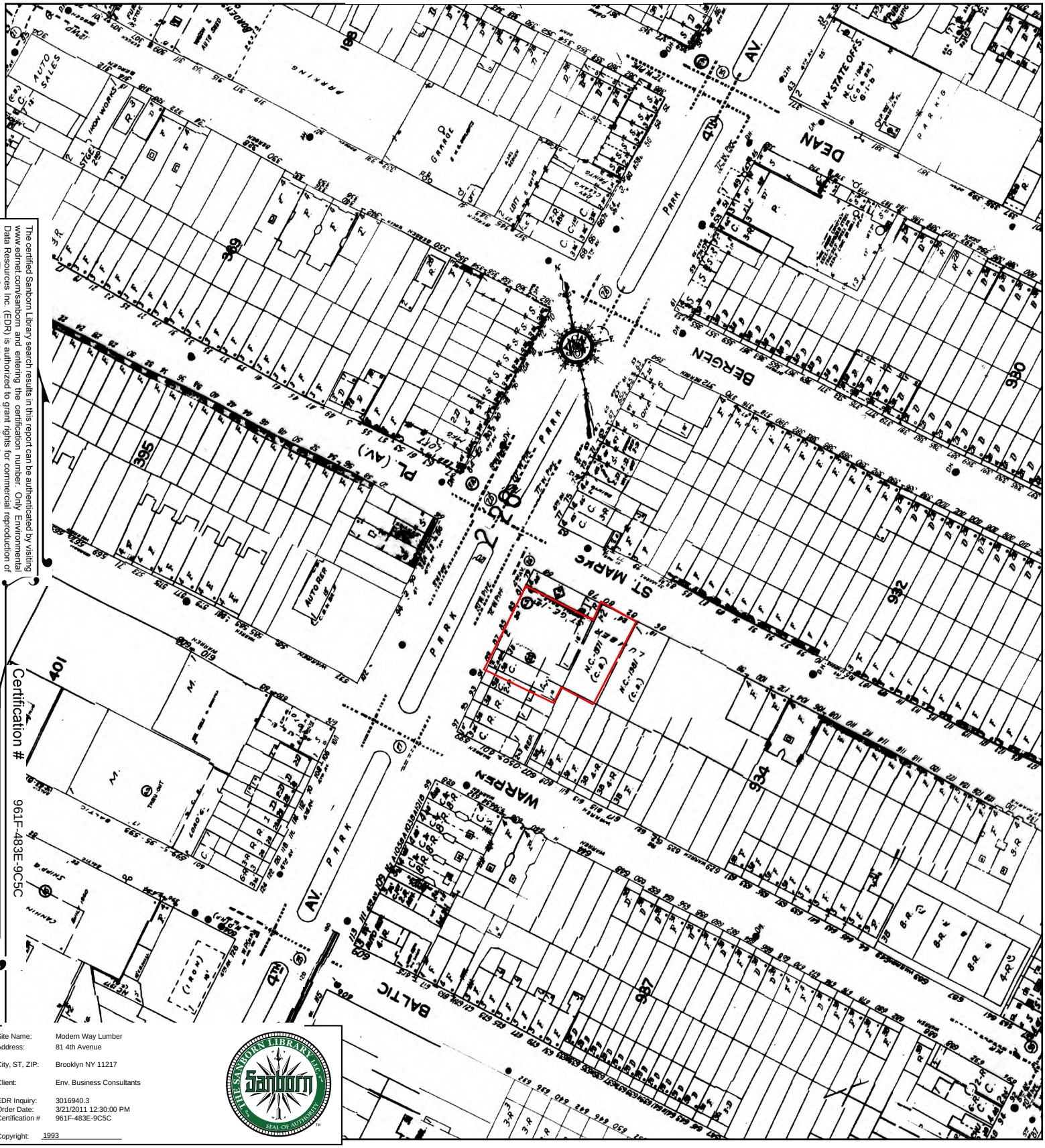

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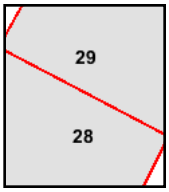

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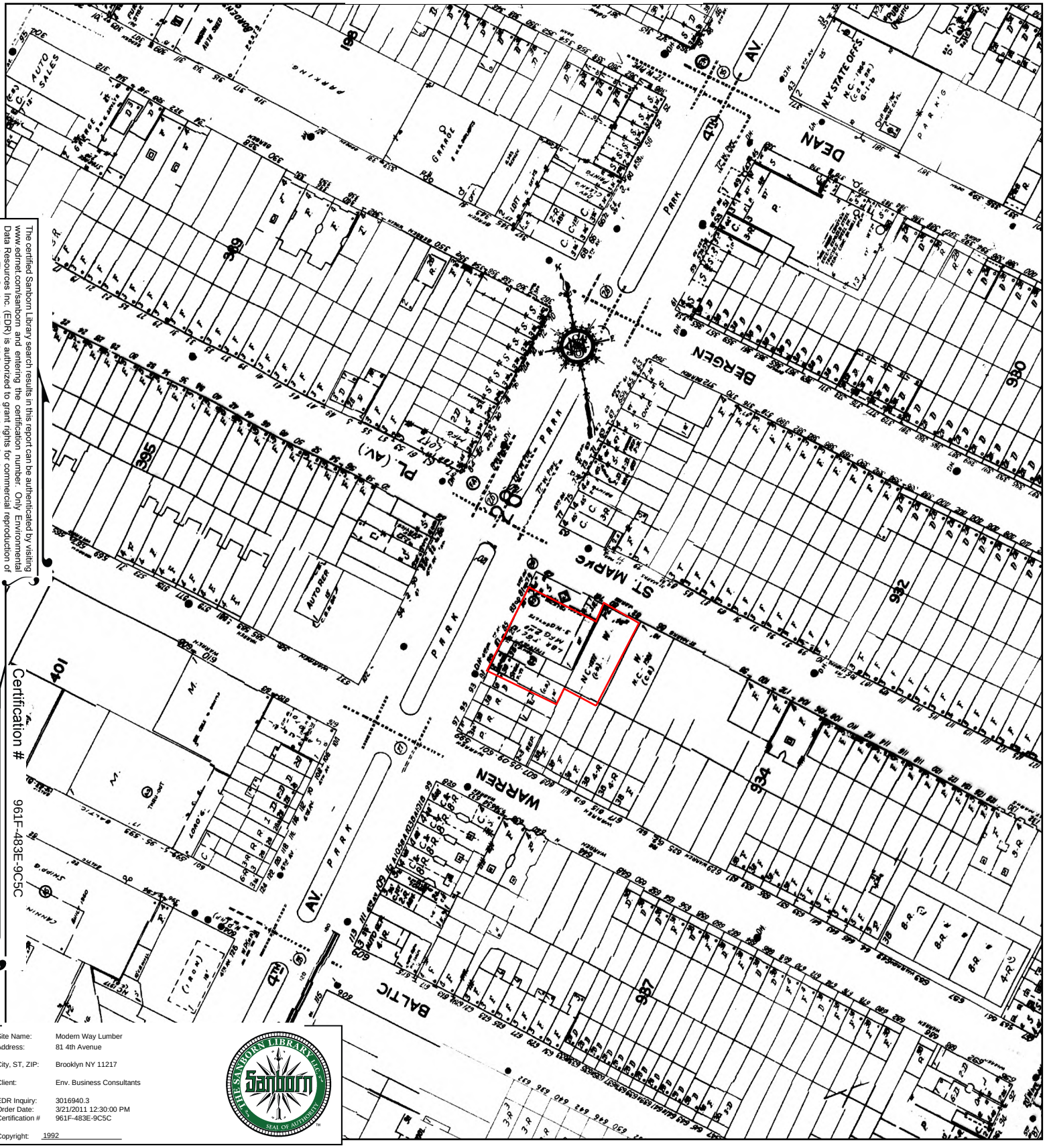

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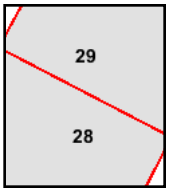

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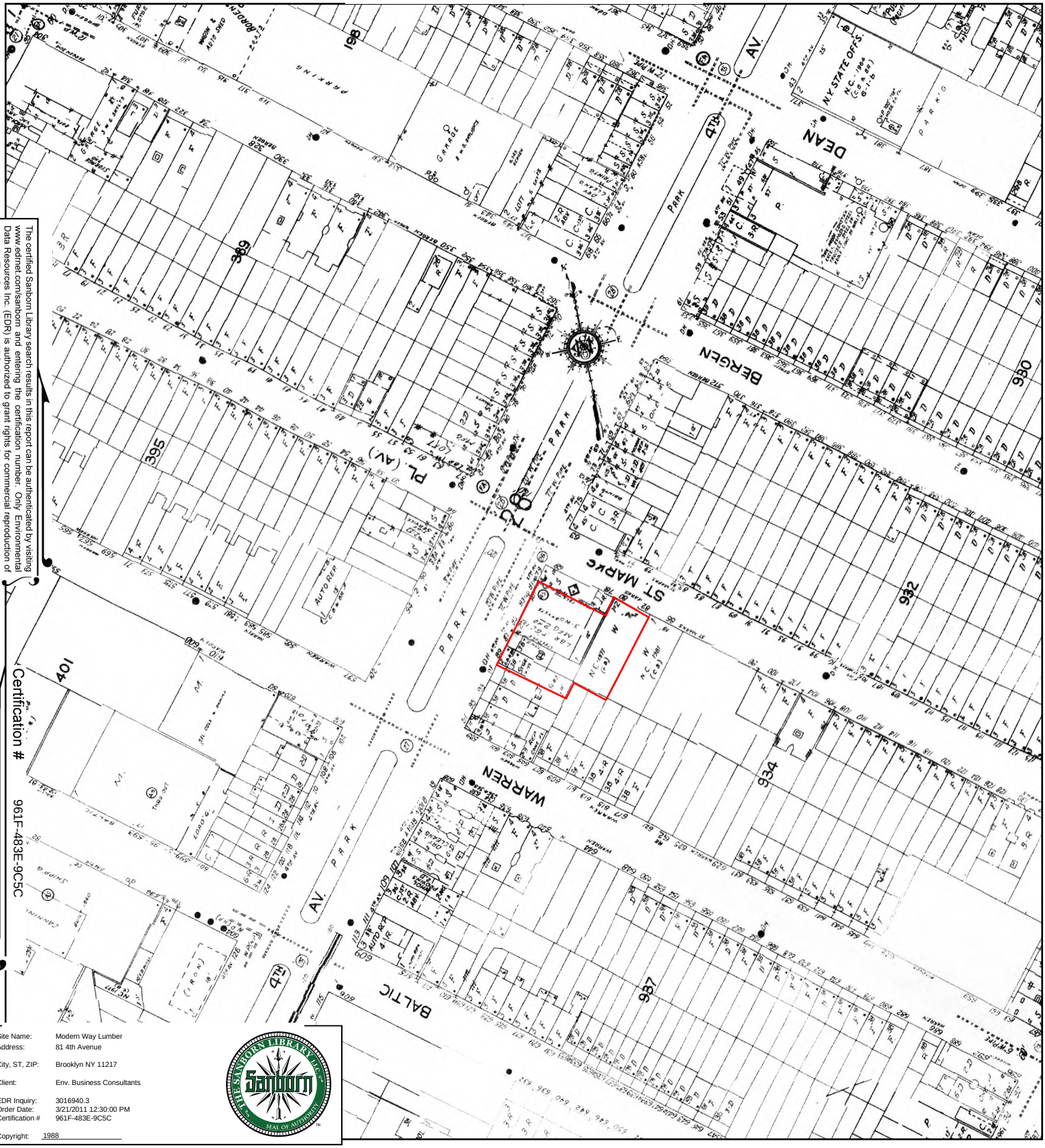

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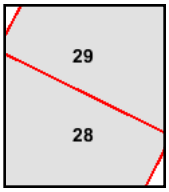

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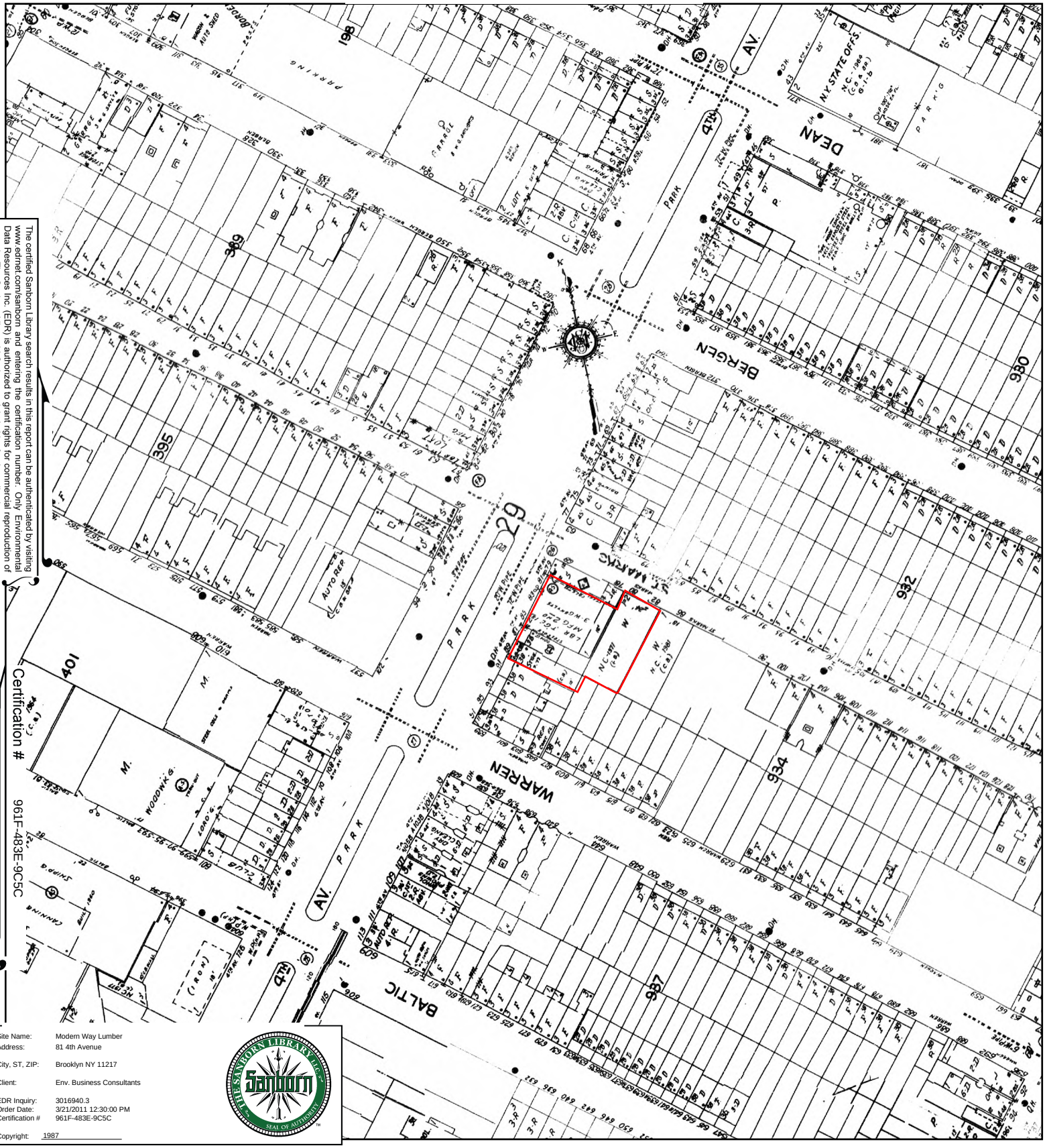

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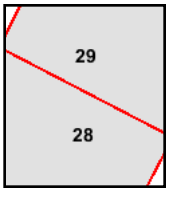

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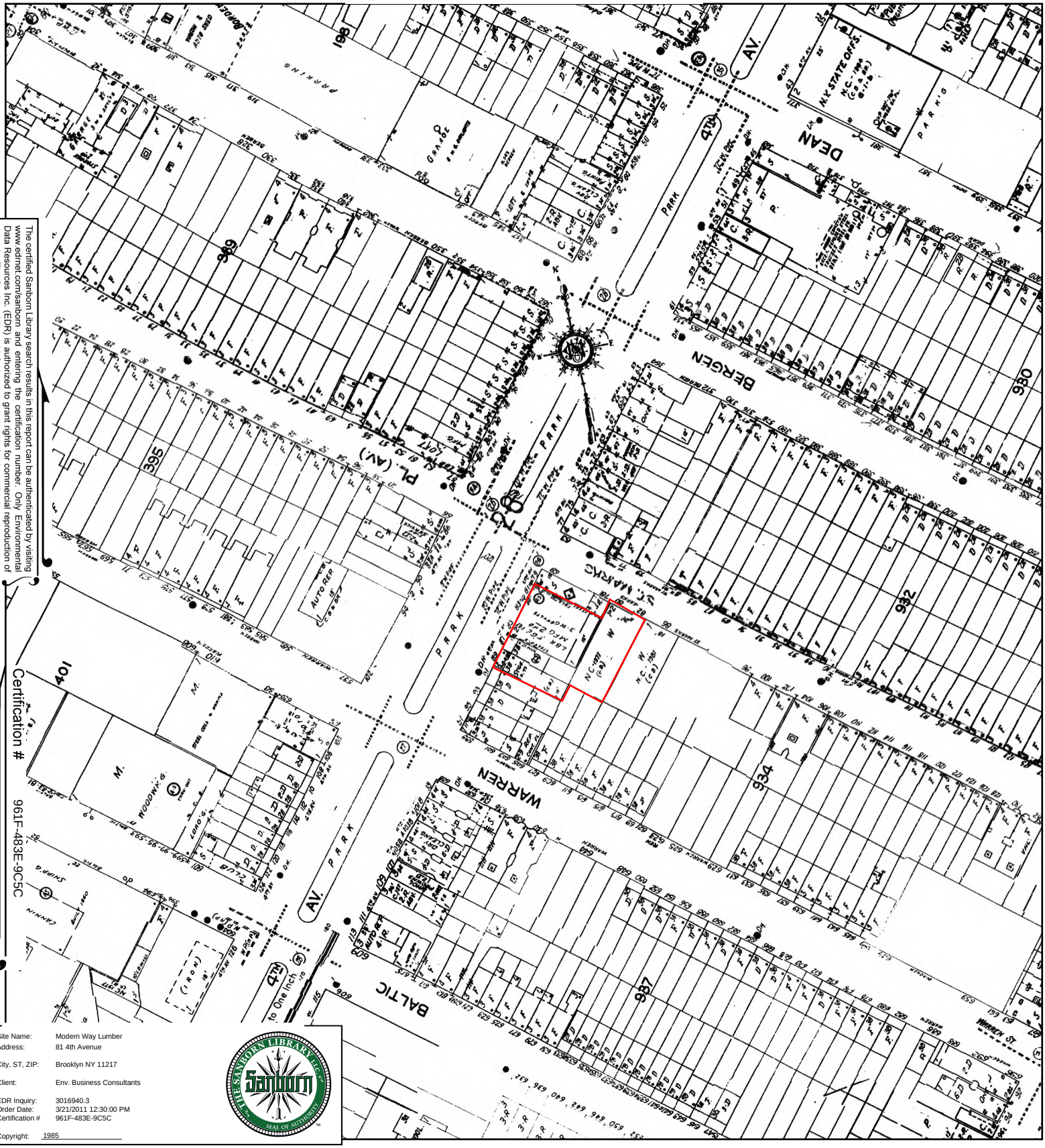

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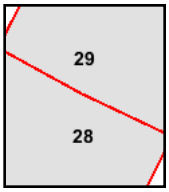

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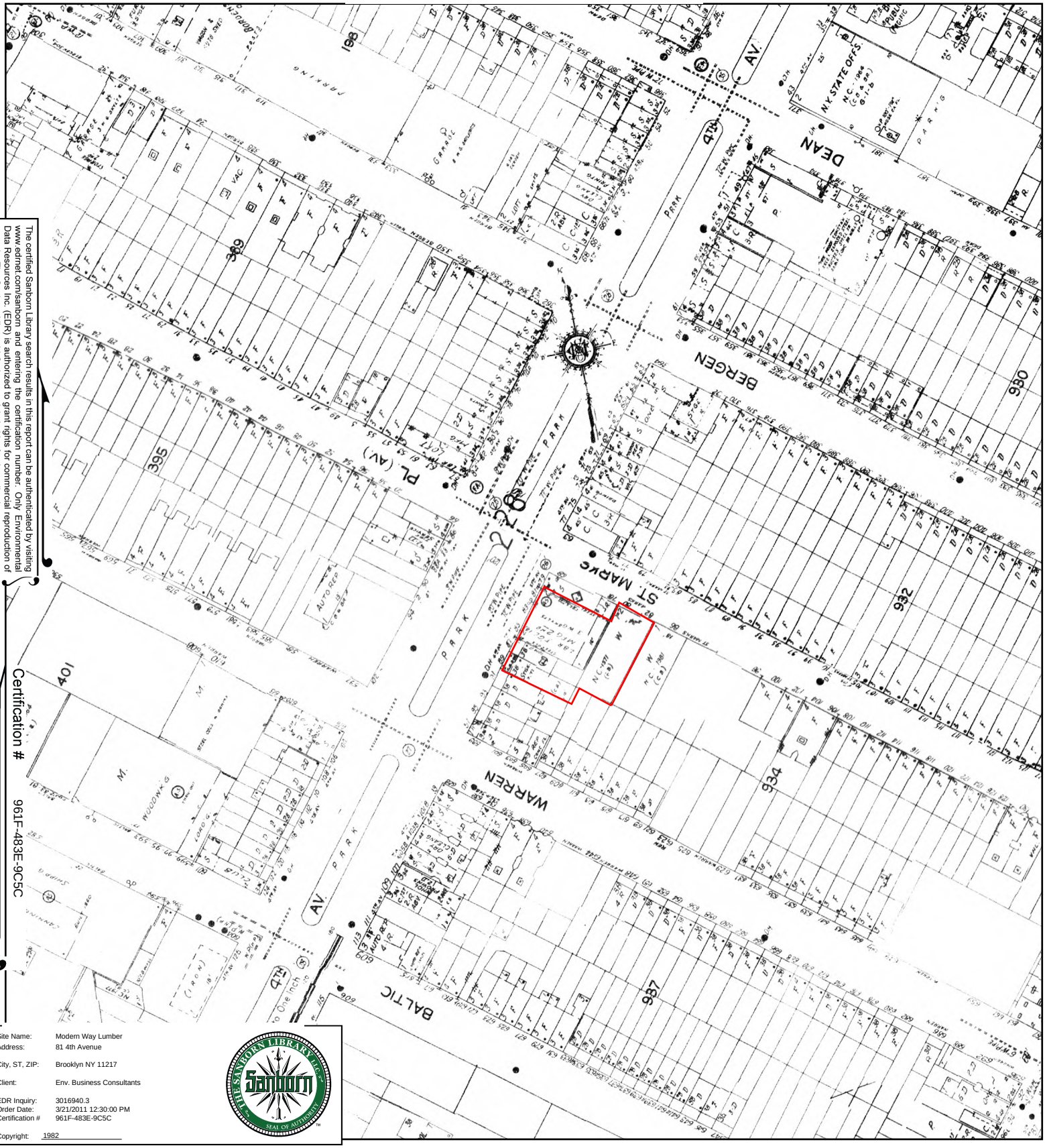

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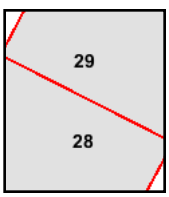

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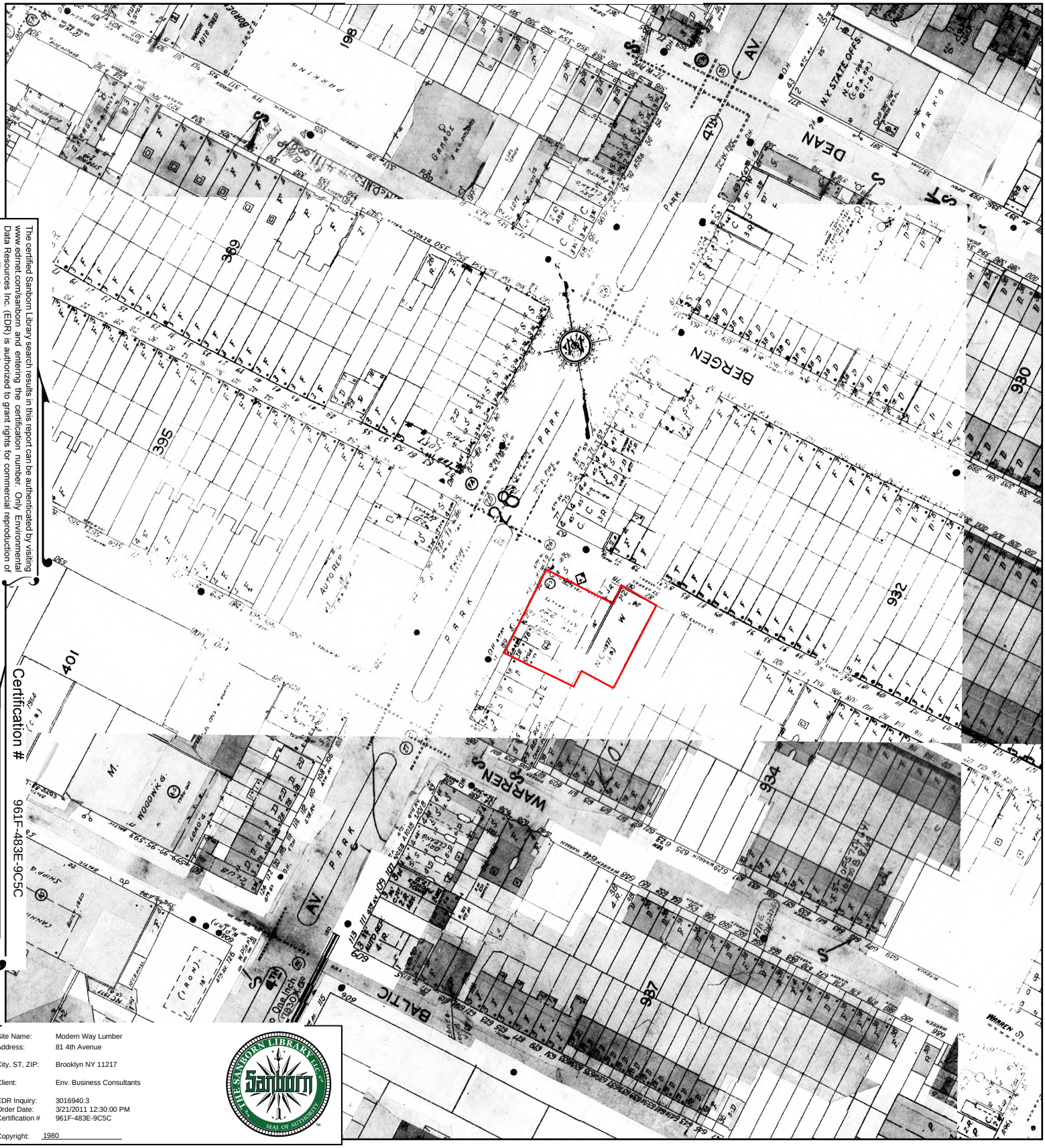

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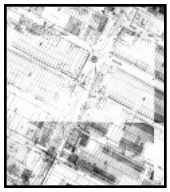

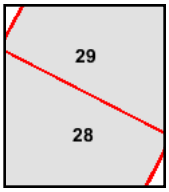

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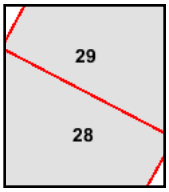
N

1979 Certified Sanborn Map

Certification # 961F-483E-9C5C

Site Name:	Modern Way Lumber
Address:	81 4th Avenue
City, ST, ZIP:	Brooklyn NY 11217
Client:	Env. Business Consultants
EDR Inquiry:	3016940.3
Order Date:	3/21/2011 12:30:00 PM
Certification #	961F-483E-9C5C
Copyright:	1979

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

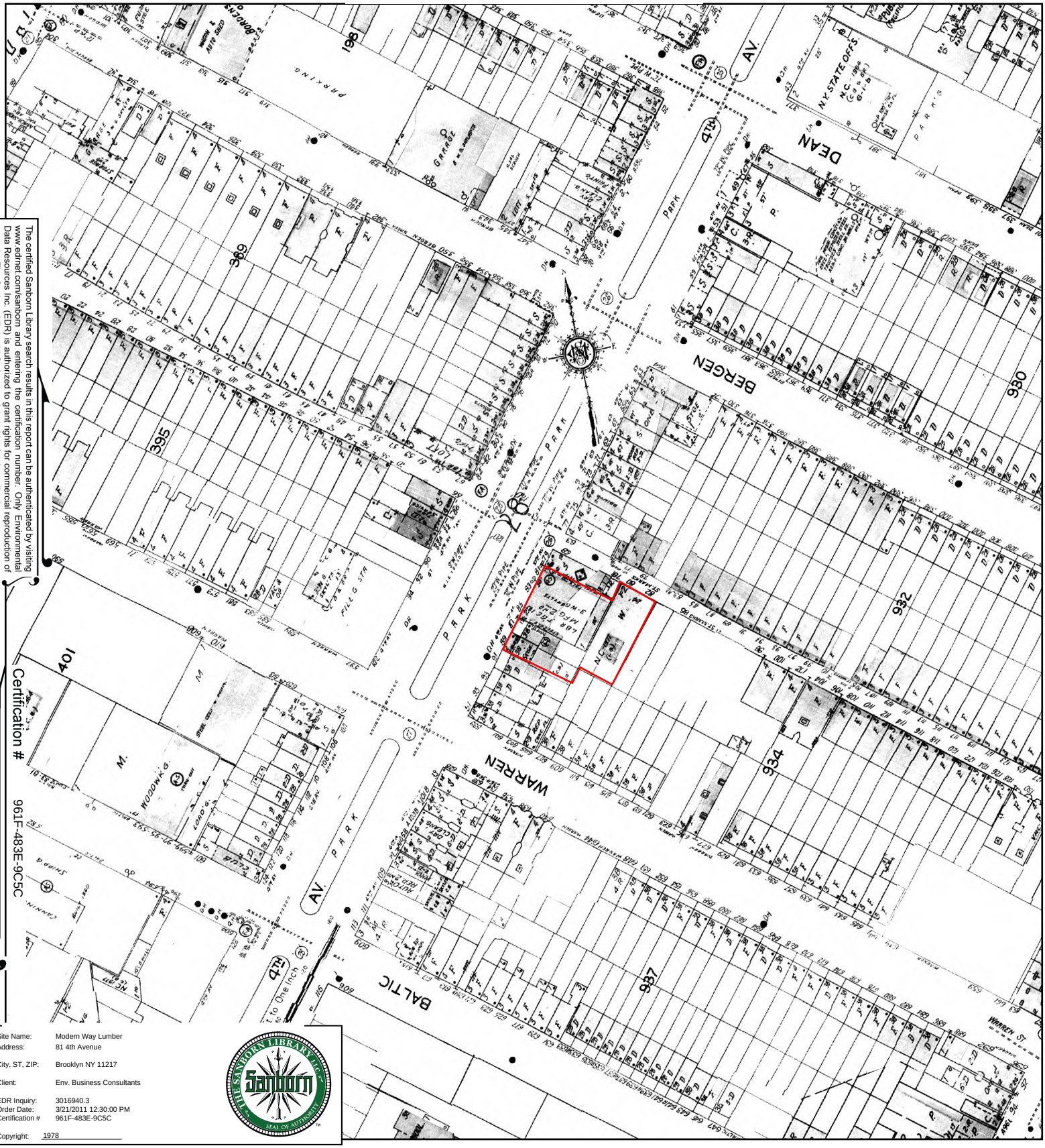


Volume 6, Sheet 28
Volume 6, Sheet 29

0 Feet 150 300 600

N

1978 Certified Sanborn Map



Certification # 961F-483E-9C5C

Site Name:	Modern Way Lumber
Address:	81 4th Avenue
City, ST, ZIP:	Brooklyn NY 11217
Client:	Env. Business Consultants
EDR Inquiry:	3016940.3
Order Date:	3/21/2011 12:30:00 PM
Certification #	961F-483E-9C5C
Copyright:	1978

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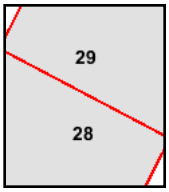

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0 Feet 150 300 600

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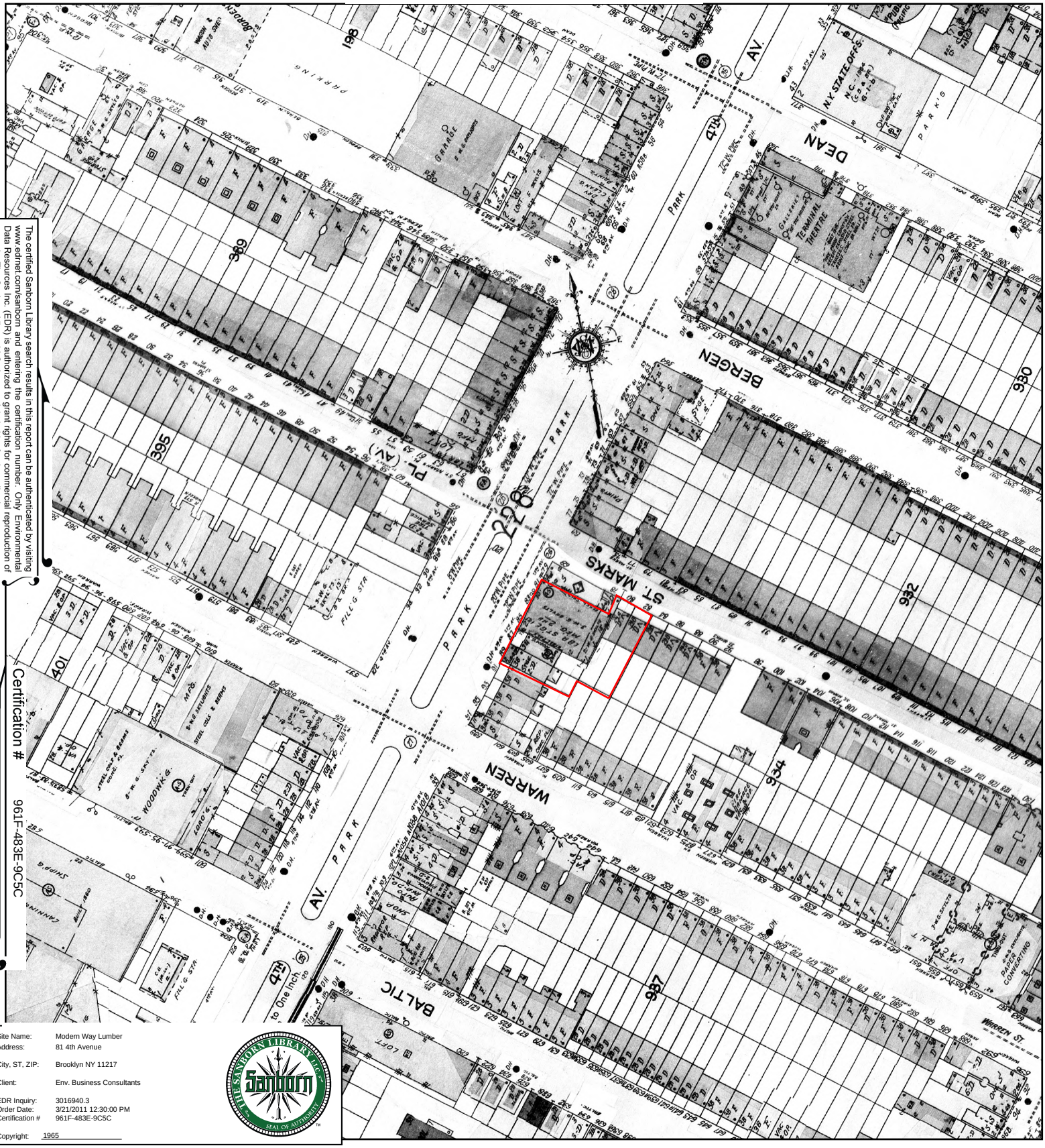
1965 Certified Sanborn Map



Certification # 961F-483E-9C5C

Site Name:	Modern Way Lumber
Address:	81 4th Avenue
City, ST, ZIP:	Brooklyn NY 11217
Client:	Env. Business Consultants
EDR Inquiry:	3016940.3
Order Date:	3/21/2011 12:30:00 PM
Certification #	961F-483E-9C5C
Copyright:	1965

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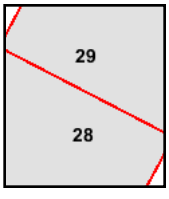

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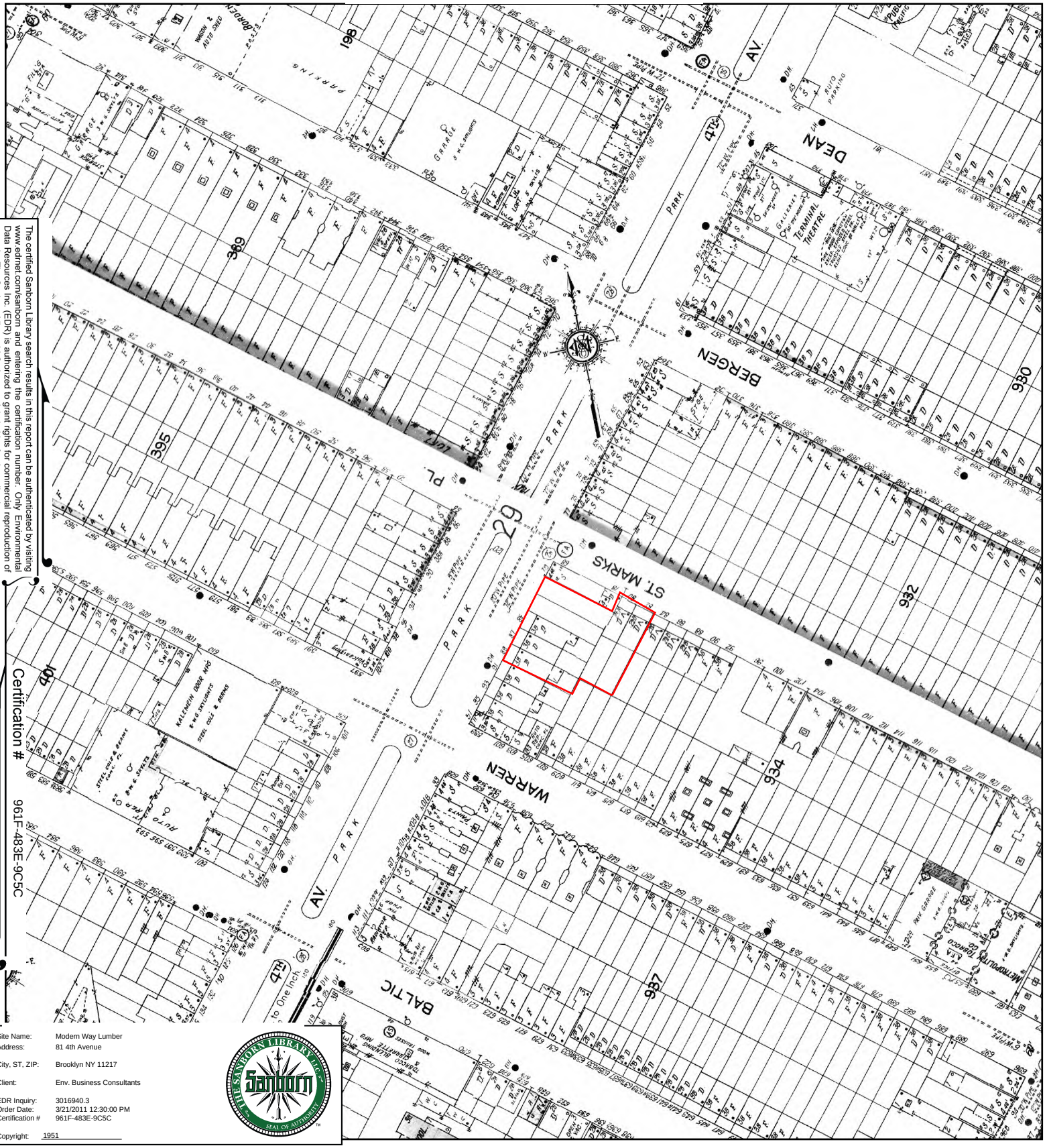
1951 Certified Sanborn Map



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Site Name:	Modern Way Lumber
Address:	81 4th Avenue
City, ST, ZIP:	Brooklyn NY 11217
Client:	Env. Business Consultants
EDR Inquiry:	3016940.3
Order Date:	3/21/2011 12:30:00 PM
Certification #	961F-483E-9C5C
Copyright:	1951

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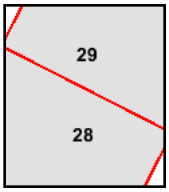

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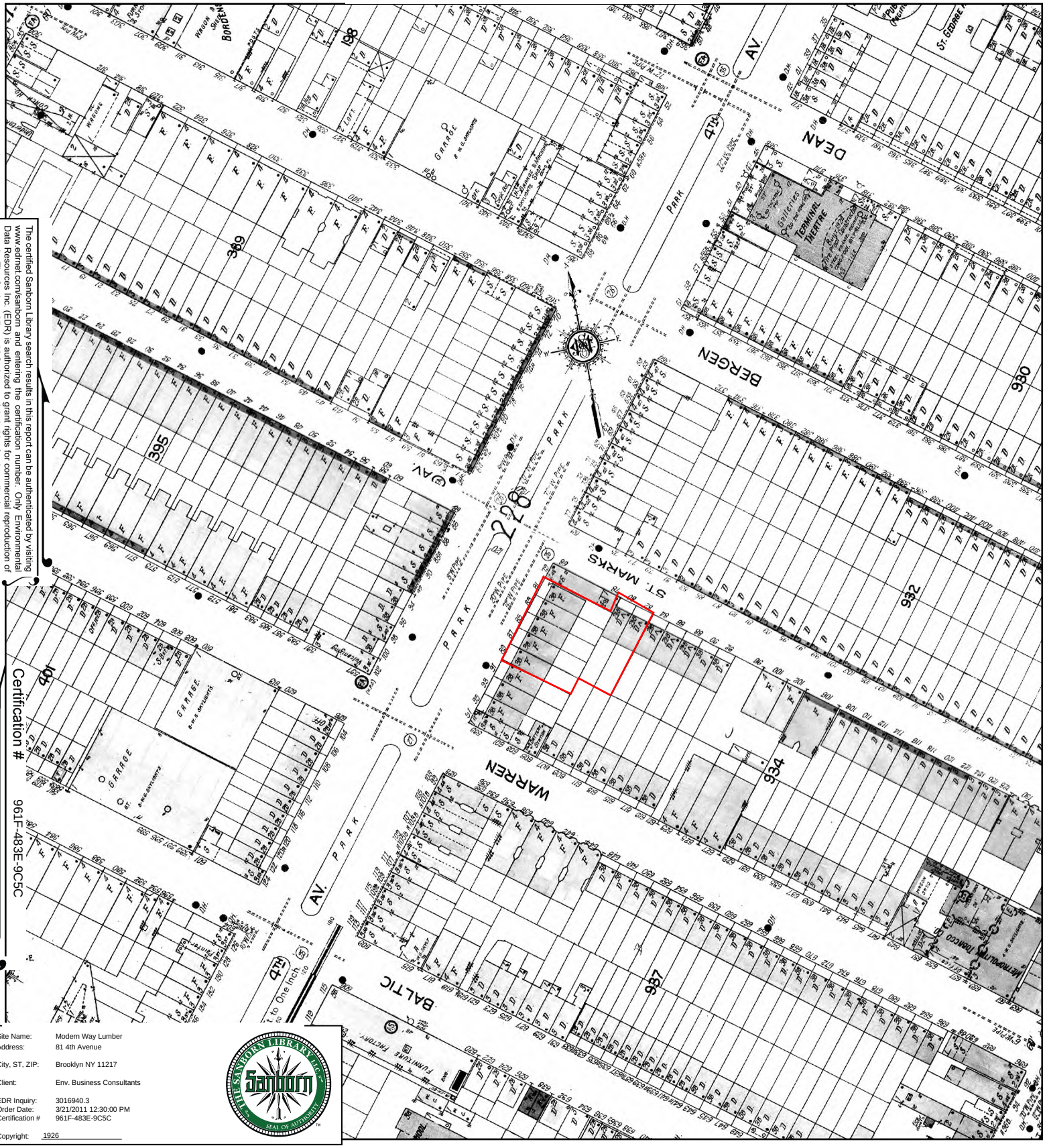
N

1926 Certified Sanborn Map



Certification # 961F-483E-9C5C

Site Name:	Modern Way Lumber
Address:	81 4th Avenue
City, ST, ZIP:	Brooklyn NY 11217
Client:	Env. Business Consultants
EDR Inquiry:	3016940.3
Order Date:	3/21/2011 12:30:00 PM
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Copyright:	1926

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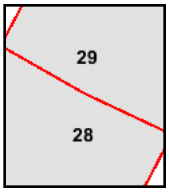

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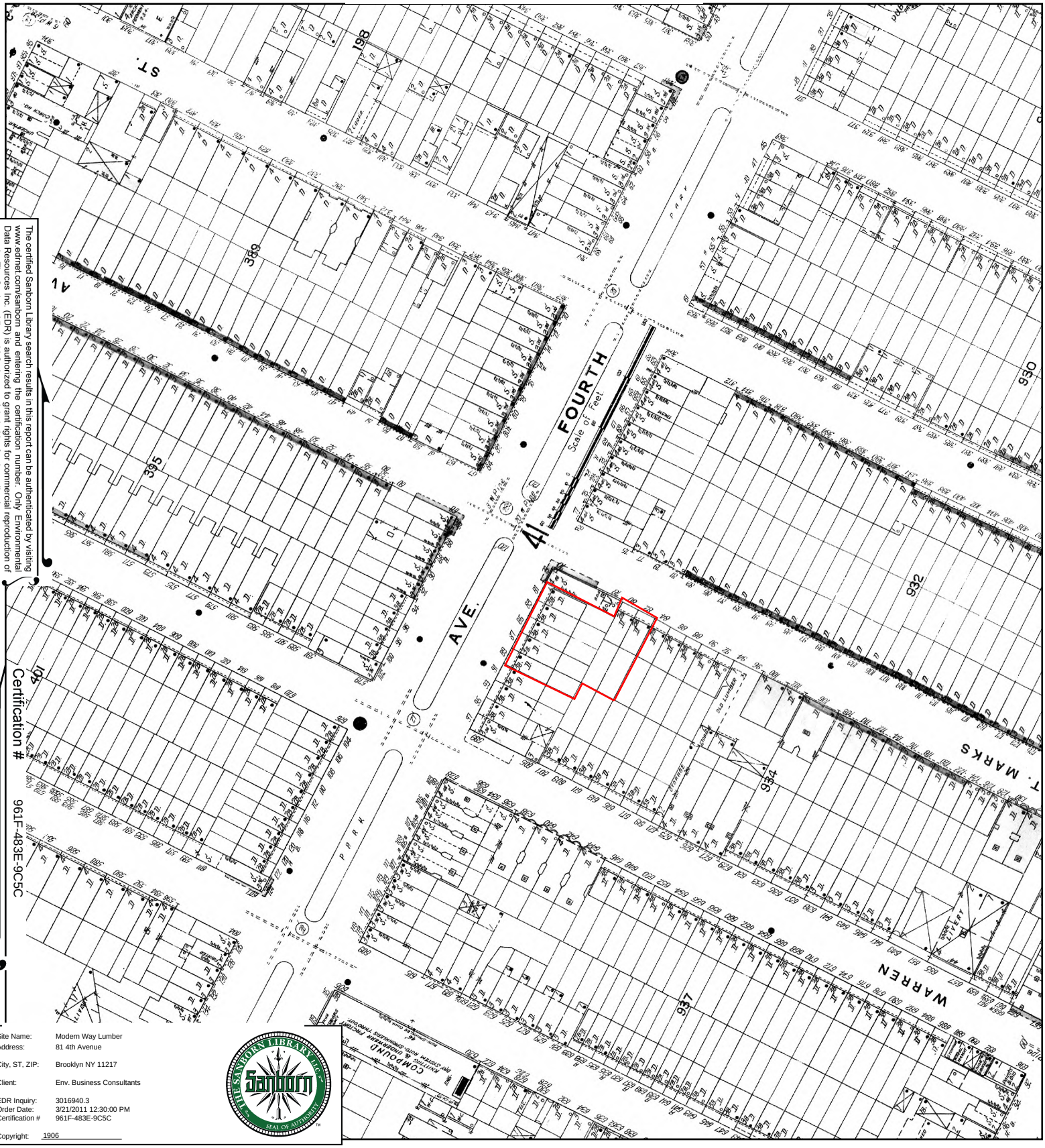
0 Feet 150 300 600

N

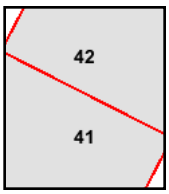
1906 Certified Sanborn Map



Certification # 961F-483E-9C5C

Site Name: Modern Way Lumber
Address: 81 4th Avenue
City, ST, ZIP: Brooklyn NY 11217
Client: Env. Business Consultants
EDR Inquiry: 3016940.3
Order Date: 3/21/2011 12:30:00 PM
Certification # 961F-483E-9C5C
Copyright: 1906

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



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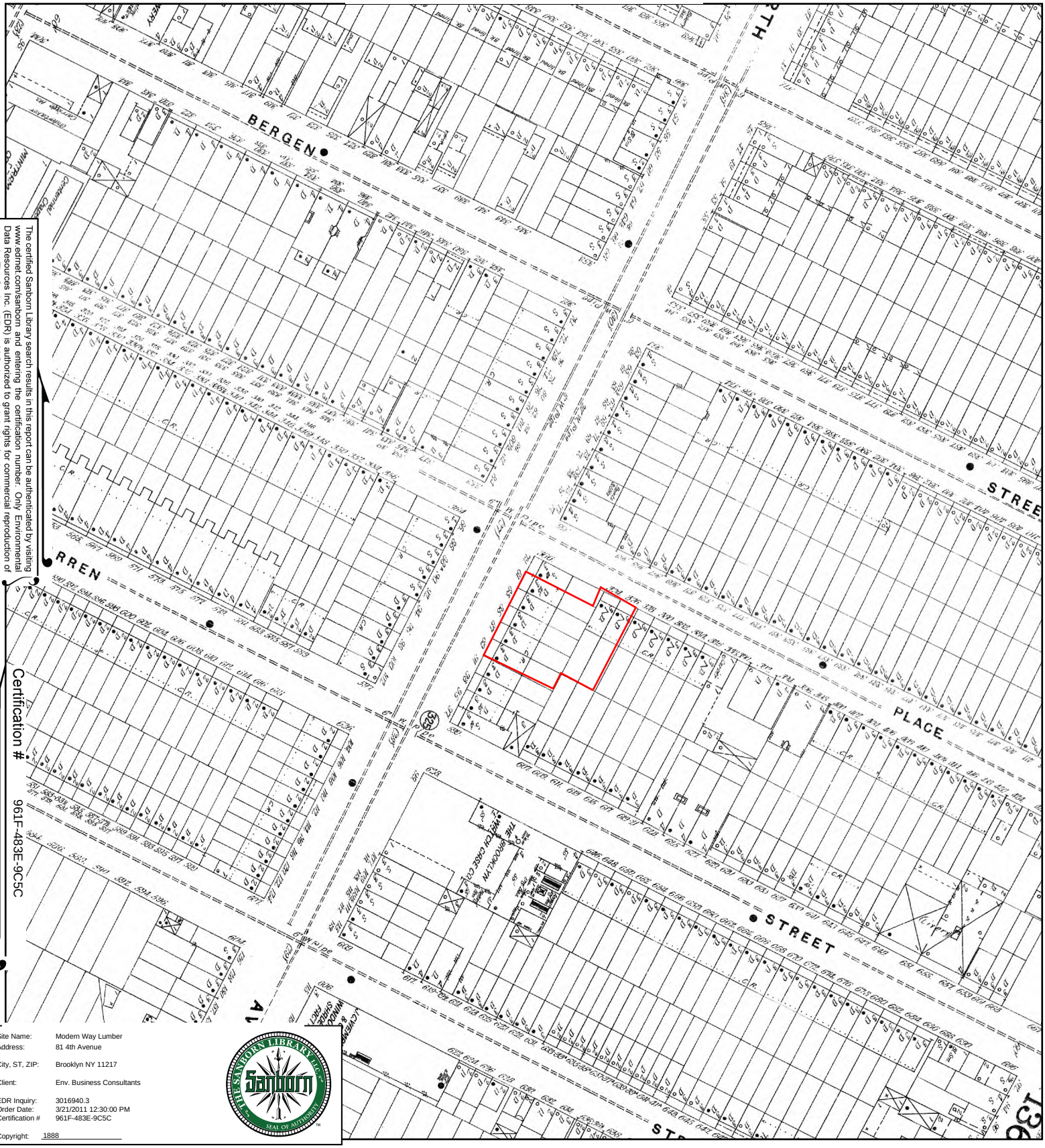
0 Feet 150 300 600

N

1888 Certified Sanborn Map



Certification # 961F-483E-9C5C

Site Name: Modern Way Lumber
Address: 81 4th Avenue
City, ST, ZIP: Brooklyn NY 11217
Client: Env. Business Consultants
EDR Inquiry: 3016940.3
Order Date: 3/21/2011 12:30:00 PM
Certification # 961F-483E-9C5C
Copyright: 1888

This Certified Sanborn Map combines the following sheets.
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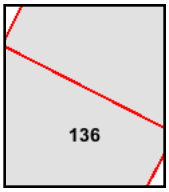

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Volume 6, Sheet 136

0 Feet 150 300 600

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APPENDIX D

CITY DIRECTORY SEARCH

Modern Way Lumber
81 4th Avenue
Brooklyn, NY 11217

Inquiry Number: 3016940.4
March 17, 2011

The EDR-City Directory Abstract

Environmental Data Resources Inc

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

TABLE OF CONTENTS

SECTION

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1928 through 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.

Year	*Source*	*TP*	*Adjoining*	*Text Abstract*	*Source Image*
2005	Hill-Donnelly Corporation	X	X	X	-
2000	Cole Information Services	-	X	X	-
1997	NYNEX	-	X	X	-
1992	NYNEX Informantion Resource Co.	-	X	X	-
1985	NYNEX Information Resources Company	-	X	X	-
1980	New York Telephone	-	X	X	-
1976	New York Telephone	-	X	X	-
1973	New York Telephone	X	X	X	-
1970	New York Telephone	X	X	X	-
1965	New York Telephone	X	X	X	-
1960	New York Telephone	X	X	X	-
	New York Telephone Company	X	X	X	-
1949	New York Telephone	-	X	X	-
1945	New York Telephone	-	X	X	-
1940	New York Telephone	-	X	X	-
1934	R. L. Polk & Co.	X	X	X	-
1928	New York Telephone	-	X	X	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
83 4th Avenue	Client Entered	X
85 4th Avenue	Client Entered	X
87 4th Avenue	Client Entered	X
89 4th Avenue	Client Entered	X
91 4th Avenue	Client Entered	X
79 4th Avenue	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

81 4th Avenue
Brooklyn, NY 11217

FINDINGS DETAIL

Target Property research detail.

Year	*Uses*	*Source*
2005	B 3 Piping & Heating Co	Hill-Donnelly Corporation
	Delcor Assoc Inc	Hill-Donnelly Corporation
1973	Affiliated Sales Corp	New York Telephone
	Amer Honor Guild Inc	New York Telephone
1970	Affiliated Sales Corp	New York Telephone
	Amer Honor Guild Inc	New York Telephone
1965	Affiliated Sales Corn	New York Telephone
	Amer Honor Guild Inc	New York Telephone
	First Natl Credit Co	New York Telephone
1960	AFFILIATED SALES CORP	New York Telephone
	AMER HONOR GUILD INC	New York Telephone
	FIRST NATL CREDIT CO	New York Telephone
	NATL PAYMENT PLAN DIV OF AMER HONOR GUILD INC	New York Telephone
	Affiliated Sales Corp	New York Telephone Company
	Amer Honor Guild Inc	New York Telephone Company
	First Natl Credit Co	New York Telephone Company
	Natl Payment Plan Div of Amer Honor Guild Inc	New York Telephone Company
1934	BUCHNER JOHN LAB H	R. L. Polk & Co.
	NOLAN WM H	R. L. Polk & Co.

FINDINGS

ADJOINING PROPERTY DETAIL

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

4 AVENUE AVE

86 4 AVENUE AVE

Year	Uses	Source
1992	A & S FLOWER & GIFT SHOP	NYNEX Informantion Resource Co.

44TH AVE

78 44TH AVE

Year	Uses	Source
1992	BARBOSA EDSON	NYNEX Informantion Resource Co.

4TH

75 4TH

Year	Uses	Source
1928	DEMITA M R	New York Telephone
	DOYLE JOHN R	New York Telephone

76 4TH

Year	Uses	Source
1940	Universal Plating & Equipment Co	New York Telephone

78 4TH

Year	Uses	Source
1980	GOLDSTEIN MILTON 4	New York Telephone
1928	FELLI JOHN AUTO REPAIR	New York Telephone

79 4TH

Year	Uses	Source
1928	DI BELLA LOUIS R	New York Telephone

80 4TH

Year	Uses	Source
1934	LUBARSKY J HDW H DO	R. L. Polk & Co.
	SMALL DAVID C LAB H	R. L. Polk & Co.
	DONALDSON GENEVIEVE TCHR PS	R. L. Polk & Co.

FINDINGS

82 4TH

Year	Uses	Source
1928	CASTERLINE E TRCKNG	New York Telephone

83 4TH

Year	Uses	Source
1928	VAN GELDER HARRY R	New York Telephone

84 4TH

Year	Uses	Source
1928	ROMANO JAS R	New York Telephone

85 4TH

Year	Uses	Source
1928	PUBLIC SCHOOLS BARO OF BKLYN	New York Telephone

86 4TH

Year	Uses	Source
1928	SULLIVAN JOHN J R	New York Telephone

4TH AVE

641 833 89 4TH AVE

Year	Uses	Source
1934	GAS STATIONS INC MAIN OFFICE	R. L. Polk & Co.

7-5 4TH AVE

Year	Uses	Source
1976	GLYNN WILLIAM F JR	New York Telephone

75 4TH AVE

Year	Uses	Source
2005	a Levine Dalia v 0	Hill-Donnelly Corporation
	Ghertner Robin	Hill-Donnelly Corporation
1997	HUGGANS A	NYNEX
	EADY Elizabeth	NYNEX
	BAUMANN Yyonne	NYNEX
1992	RATLIFF BEN	NYNEX Informantion Resource Co.
1985	MOORE S	NYNEX Information Resources Company
	LASAK H	NYNEX Information Resources Company
1980	ZAPATA ALFREDO	New York Telephone
1976	SOTO I	New York Telephone

FINDINGS

Year	Uses	Source
1973	Ramos Anthony Mrs	New York Telephone
1934	SULLIVAN MICHL J R	R. L. Polk & Co.
	SMITH THOS CLK R	R. L. Polk & Co.
	MORAN MARY R	R. L. Polk & Co.
	MORAN MARGT H	R. L. Polk & Co.
	MORAN JOHN JR R	R. L. Polk & Co.
	MORAN JOHN R	R. L. Polk & Co.
	DUNNIGAN MARY R	R. L. Polk & Co.
	MEAT MARKET	R. L. Polk & Co.
1928	SULLIVAN MICHAEL J MEAT	New York Telephone
	POLLARD WM R	New York Telephone

76 4TH AVE

Year	Uses	Source
2005	h Riggin C	Hill-Donnelly Corporation
1992	LIN CHUN YOU	NYNEX Informantion Resource Co.
1985	CHANG USU	NYNEX Information Resources Company
	MIRROR KING INC	NYNEX Information Resources Company
1976	ROJAS V	New York Telephone
1970	Batey Elizabeth Mrs beautcn	New York Telephone
1965	Finest Beauty & Barbr Shop	New York Telephone
	Rogers Alice Mrs	New York Telephone
1960	ROGERS ALICE MRS	New York Telephone
	Rogers Alice Mrs	New York Telephone Company
1934	COLLIER G A INC A C HERRIOTT PRES A E HERRIOTT SEC R L PATTENGELL TREAS ELE	R. L. Polk & Co.
	DRISCOLL FRANK LAB H	R. L. Polk & Co.
1928	COLLIER G A ELEC CONTR	New York Telephone
	GEO STORAGE BATTRS	New York Telephone
	PHILKO STORAGE BATTERY SERVICE STAS-	New York Telephone
	SCHNELLER J O MOTOR RPRS	New York Telephone
	SOUTHARD WM H R	New York Telephone

77 4TH AVE

Year	Uses	Source
2005	Perris Super Markets I	Hill-Donnelly Corporation
1997	Perris Super Mkts	NYNEX
1992	DENICASIO PETRONILA A	NYNEX Informantion Resource Co.

FINDINGS

Year	Uses	Source
1985	PERRI S SUPER-MKTS	NYNEX Information Resources Company
	DENICASIO PETRONILA A	NYNEX Information Resources Company
1976	PERRI JOSEPH REAL ESTATE	New York Telephone
	PERRIS SUPER MKTS	New York Telephone
1970	Perris Super Mkts	New York Telephone
	Perri Joseph b	New York Telephone
1965	Perris Super Mkts	New York Telephone
1960	PERRI S SUPER-MKTS	New York Telephone
	Perris Super Mkts	New York Telephone Company
1949	Chiaro Vito grocrs	New York Telephone
1945	Chiaro Vito grocrs	New York Telephone

78 4TH AVE

Year	Uses	Source
2005	h Mejia Angela	Hill-Donnelly Corporation
	Mendeoza Mariana	Hill-Donnelly Corporation
	h Mendoza Jose	Hill-Donnelly Corporation
	Zarlma International	Hill-Donnelly Corporation
1997	MEJIA Angela	NYNEX
1992	SPACE AGE DESIGNS	NYNEX Informantion Resource Co.
	SUHAL SAM	NYNEX Informantion Resource Co.
1985	MEDINA RAYMOND	NYNEX Information Resources Company
1976	GALARZA DIONICIO	New York Telephone
	SEDA S	New York Telephone
1973	Galarza Dionicio	New York Telephone
1970	Galarza Dionicio	New York Telephone
1965	Greene Howard	New York Telephone
	Rullo A Louis	New York Telephone
	Superior Refrigratn & Air Conditioning Co	New York Telephone
1960	ATLAS PLATE & WINDOW GLASS CO	New York Telephone
	RULLO A LOUIS	New York Telephone
	Mody Jesse Jr	New York Telephone Company
	Rullo A Louis	New York Telephone Company
	Greene Howard	New York Telephone Company
	Atlas Plate & Window Glass Co	New York Telephone Company
1949	Atlas Plate & Window Glass Co	New York Telephone
1945	Farrells Peter Sons undtkrs	New York Telephone
	Edwards R P	New York Telephone
	Farrell Jas J Jr Estate of undtkr	New York Telephone

FINDINGS

Year	Uses	Source
1945	Farrell Peter Sons undtkrs	New York Telephone
1940	Farrell Jas J Jr Estate of undtkr	New York Telephone
	Farrell Peter Sons undtkrs	New York Telephone
	Farrells Peter Sons undtkrs	New York Telephone
1934	COOK CHEMICAL CO FLAVORING EXTRACTS MFRS	R. L. Polk & Co.
	COOK GEO W MFR H	R. L. Polk & Co.
1928	COOK CHEMICAL CO	New York Telephone
	COOK GEO W EXTRACTS	New York Telephone
	FULLERTON T MISS NURCE	New York Telephone

79 4TH AVE

Year	Uses	Source
2005	L&P Laundry I	Hill-Donnelly Corporation
1997	St Marks IV Av Laundromat	NYNEX
1992	ST MARKS LAUNDROMAT	NYNEX Informantion Resource Co.
1976	GUILLAUME G	New York Telephone
1973	Cruz Anna Mrs	New York Telephone
	Guillaume G	New York Telephone
1970	Guillaume G	New York Telephone
1965	Guillaume G	New York Telephone
1960	Guillaume G	New York Telephone Company
	Jensen Karl M	New York Telephone Company
	Larson Karl	New York Telephone Company
	GUILLAUME G	New York Telephone
	JENSEN KARL M	New York Telephone
	LARSON KARL	New York Telephone
1949	Freeman Maxwell	New York Telephone
	Guillaume G	New York Telephone
	Hillebrecht Chas	New York Telephone
	Lenox Chemcl Co	New York Telephone
	Liga Philip V	New York Telephone
	Sani Pine Corp	New York Telephone
	Simone Wm V	New York Telephone
1945	Freeman Maxwell	New York Telephone
	Guillaume G	New York Telephone
	Hillebrecht Chas	New York Telephone
	Lenox Chemcl Co	New York Telephone
	Sani Pine Corp	New York Telephone

FINDINGS

Year	Uses	Source
1945	Simone Wm V	New York Telephone
1940	De Linde Chas	New York Telephone
	Hoffman Machy Corpn US	New York Telephone
	U S Hoffman Macby Corp	New York Telephone
1928	SPERO A P DRUGGIST	New York Telephone

80 4TH AVE

Year	Uses	Source
2005	Nyc Aids Housing Network	Hill-Donnelly Corporation
	h Stopkoskl Stella	Hill-Donnelly Corporation
	Mcnally May	Hill-Donnelly Corporation
	Krause Karen	Hill-Donnelly Corporation
1997	COX Aimee M	NYNEX
	DOMINGUEZ Cirano	NYNEX
	KARLSSON Anders	NYNEX
	PERSHEFF Alexander	NYNEX
	STOPKOSKI Stella	NYNEX
	TAO Nao	NYNEX
	WIRES S	NYNEX
	Atlantic Travel & Tour Inc	NYNEX
	Bellows Doris	NYNEX
1992	AFRO DEMO & CONTRACTING CORP	NYNEX Informantion Resource Co.
	MUNSEY MICHAEL J	NYNEX Informantion Resource Co.
	VIDAL JOSE	NYNEX Informantion Resource Co.
1980	A AAAA PROFESSIONAL EXTERMINATING CO	New York Telephone
	AAAAA PROFESSIONAL EXTERMINATION	New York Telephone
1976	LUBART J HRDWR	New York Telephone
	AAAAA PROFESSIONAL EXTERMINATING CO	New York Telephone
	AAAAA PROFESSIONAL EXTERMINATING	New York Telephone
	PROFESSIONAL EXTERMINATING CO	New York Telephone
	PROFESSIONAL ODOR CONTROL CO	New York Telephone
1973	Lubart J hrdwr	New York Telephone
1970	Lubart J hrdwr	New York Telephone
	Jones Edith C	New York Telephone
1965	Jones Edith C	New York Telephone
	Lubart J hrdwr	New York Telephone

FINDINGS

Year	Uses	Source
1960	JONES EDITH C	New York Telephone
	LUBART J HRDWR	New York Telephone
	Jones Edith C	New York Telephone Company
	Lubart J hrdwr	New York Telephone Company
	Mantagas John	New York Telephone Company
1949	Lubart J	New York Telephone
1945	Lubart J	New York Telephone
1940	Lubart J	New York Telephone
1934	STEWART ARTH LAB H	R. L. Polk & Co.
	STEWART ALEX SPL FITTER R	R. L. Polk & Co.
	LUCAS FRANCES R	R. L. Polk & Co.
	LUBARSKY MAX CLK R	R. L. Polk & Co.
	KLEIN WALTER W R	R. L. Polk & Co.
	HALLQUIST MARTIN LAB R	R. L. Polk & Co.
	FILIZZOLA ELI REPRMN NATALE TORMANO R	R. L. Polk & Co.
1928	LUBART J HARDWARE	New York Telephone

80A 4TH AVE

Year	Uses	Source
1992	NASH LAURA	NYNEX Informantion Resource Co.
	RODRIGUEZ ANGEL	NYNEX Informantion Resource Co.
	DAVOLI & VESNAVER	NYNEX Informantion Resource Co.
	DAVOLI HENRY W JR ESQ	NYNEX Informantion Resource Co.
	BELLOWS DORIS	NYNEX Informantion Resource Co.
1985	LEON B	NYNEX Information Resources Company
1976	ELCOMATTE GROCERY STORE	New York Telephone
1960	MANTAGAS JOHN	New York Telephone
1934	ROTHMAN ARMAND CLK H	R. L. Polk & Co.
	KLEIN DAVID D R	R. L. Polk & Co.
1928	KLEIN S SHOES	New York Telephone
	KLEIN DAVID B SHOES	New York Telephone
	KLEIN BERTHA MRS SHOES	New York Telephone

82 4TH AVE

Year	Uses	Source
2005	H Lee Kevin	Hill-Donnelly Corporation
1997	DECKER Mark	NYNEX
	LEE Kevin	NYNEX

FINDINGS

Year	Uses	Source
1997	Color Sign	NYNEX
1992	COLOR SIGN	NYNEX Informantion Resource Co.
	LEE KEVIN	NYNEX Informantion Resource Co.
1985	KAP FRUITS & VEGETABLES	NYNEX Information Resources Company
1976	ROMANO CHAS J	New York Telephone
1973	Romano Chas J	New York Telephone
	Safeguard Elec Co Inc	New York Telephone
	Wahlert Safety Prods Corp fire extngshrs	New York Telephone
1970	Wahlert Safety Prods Corp fire extngshrs	New York Telephone
	Romano Chas J	New York Telephone
	Safeguard Elec Co Inc	New York Telephone
1965	Wahlert Safety Prods Corp fire extngshrs	New York Telephone
	Romano Chas J	New York Telephone
	Vazquez Americo	New York Telephone
1960	VETERANS OF WORLD WAR I OF THE USA SVCE OFC	New York Telephone
	WORLD WAR 1 VETERANS OF USA SVCE OFC	New York Telephone
	Veterans of World War I of the USA svce ofc	New York Telephone Company
1940	Green Bros Inc	New York Telephone
1934	CANNON JOHN PLMBR H	R. L. Polk & Co.
	SANCHEZ A	R. L. Polk & Co.
	SANCHEZ & SANCHEZ BUTCHERS SUPPLIES AND TOOLS	R. L. Polk & Co.
1928	BERGAN P & C FURN & EXPRESS CO	New York Telephone
	MOLLOY LILLIAN R	New York Telephone

83 4TH AVE

Year	Uses	Source
1949	Squicciarini A & Son Inc silk ornmts	New York Telephone

84 4TH AVE

Year	Uses	Source
1997	AMERICAN GROCERY & DELI	NYNEX
1992	BURKE DENTAL MANAGMNT CORP	NYNEX Informantion Resource Co.
	CRESTLINE WINDOW DISTRIBUTORS	NYNEX Informantion Resource Co.
1985	MARKELL ELIOT	NYNEX Information Resources Company
1980	KAPLAN J & SPANO PAINTERS & DECRATRS INC	New York Telephone
	KAPLAN JULIUS B	New York Telephone

FINDINGS

Year	Uses	Source
1976	KAPLAN J & SPANO PAINTERS & DECRATRS INC	New York Telephone
	KAPLAN JULIUS B	New York Telephone
	SPANO MICHL B	New York Telephone
1973	Kaplan J & Spano Painters & Decratrs Inc	New York Telephone
	Kaplan Julius b	New York Telephone
	Spano Michl b	New York Telephone
1970	Kaplan J & Spano Painters & Decratrs Inc	New York Telephone
	Kaplan Julius b	New York Telephone
	Spano Michl B	New York Telephone
1965	Kaplan J paintrs & decrtrs	New York Telephone
	Kaplan Julius b	New York Telephone
	Spano Nicholas b	New York Telephone
1960	KAPLAN J PAINTRS & DECRTRS	New York Telephone
	KAPLAN JULIUS B	New York Telephone
	SPANO NICHOLAS B	New York Telephone
	Kaplan J paintrs & decrtrs	New York Telephone Company
	Kaplan Julius b	New York Telephone Company
	Spano Nicholas b	New York Telephone Company
1949	Modren Way Contractors	New York Telephone
	Modern Way Lumbr Co	New York Telephone

85 4TH AVE

Year	Uses	Source
2005	Modern Way Lumber	Hill-Donnelly Corporation
1997	Abc Fox News Annex	NYNEX
	MODERN WAY LUMBER CO	NYNEX
1992	IMPERIAL MODERN WAY	NYNEX Informantion Resource Co.
	MODERN WAY CONTRACTORS	NYNEX Informantion Resource Co.
	MODERN WAY LUMBR CO	NYNEX Informantion Resource Co.
1985	CRESTLINE WINDOW DISTRIBUTERS	NYNEX Information Resources Company
	IMPERIAL MODEM WAY	NYNEX Information Resources Company
	JAMAR PRODS	NYNEX Information Resources Company
	JAMAR PRODUCTS	NYNEX Information Resources Company
	MODERN WAY CONTRACTORS	NYNEX Information Resources Company
	MODERN WAY LUMBR CO	NYNEX Information Resources Company
1976	IMPERIAL LUMBER MARTS	New York Telephone
	JAMAR PRODS	New York Telephone
	MODERN WAY CONTRACTORS	New York Telephone

FINDINGS

Year	Uses	Source
1976	MODERN WAY LUMBR CO	New York Telephone
	SUN STOP EAST INC	New York Telephone
1973	Modern Way Contractors	New York Telephone
	Modern Way Lumbr Co	New York Telephone
	Natl Payment Plan Div of Amer Honor Guild Inc	New York Telephone
1970	Natl Payment Plan Div of Amer Honor Guild Inc	New York Telephone
	Modern Way Contractors	New York Telephone
	Modern Way Lumbr Co	New York Telephone
1965	Modern Way Contractors	New York Telephone
	Modern Way Lumbr Co	New York Telephone
1960	MODERN WAY CONTRACTORS	New York Telephone
	MODERN WAY LUMBR CO	New York Telephone
	Modern Way Contractors	New York Telephone Company
	Modern Way Lumbr Co	New York Telephone Company
1934	BASSET JOS PNTER R	R. L. Polk & Co.
	BISHOP H	R. L. Polk & Co.
	BISHOP R	R. L. Polk & Co.

86 4TH AVE

Year	Uses	Source
2005	Happy Cleaners	Hill-Donnelly Corporation
1997	FUENTES Juan	NYNEX
	El Buen Trato Grocery	NYNEX
1992	NEW WAY SUPERMARKET II	NYNEX Informantion Resource Co.
	RAMIREZ HECTOR	NYNEX Informantion Resource Co.
1976	BAIER ELMER G RADIO SVCE	New York Telephone
	ENG WOODS	New York Telephone
	PROSPECT RADIO & ELECTRIC CO SALES & SERV	New York Telephone
	WU BING	New York Telephone
1973	Eng Woods	New York Telephone
	Helzler M Florence	New York Telephone
	Prospect Radio & Electric Co sales & serv	New York Telephone
1970	Baier Elmer G radio svce	New York Telephone
	Eng Woods	New York Telephone
	Hetzler M Florenco	New York Telephone
	Prospect Radio & Electric Co sales & serv	New York Telephone
1965	Baier Elmer G radio svce	New York Telephone

FINDINGS

Year	Uses	Source
1965	Eng Woods	New York Telephone
	Hetzler M Florence	New York Telephone
	Prospect Radio & Electric Co sales & serv	New York Telephone
1960	BAIER ELMER G RADIO SVCE	New York Telephone
	BENSON CARIN MRS	New York Telephone
	HETZLER M FLORENCE	New York Telephone
	LUNG MARY L	New York Telephone
	PROSPECT RADIO & ELECTRIC CO SALES & SERV	New York Telephone
	Baier Elmer G radio svce	New York Telephone Company
	Benson Carin Mrs	New York Telephone Company
	Hetzler M Florence	New York Telephone Company
	Lung Mary L	New York Telephone Company
	Prospect Radio & Electric Co sales & serv	New York Telephone Company
1949	Baier Elmer G radio svce	New York Telephone
	Erson Fredk E	New York Telephone
	Sonnemann Marjorie Mrs	New York Telephone
1945	Prospect Radio & Electric Co sales & Serv	New York Telephone
1940	Baier Elmer G radio serv	New York Telephone
	Prospect Radio & Electric Co sales & serv	New York Telephone
1934	ANDERSON CHAS CARP H	R. L. Polk & Co.
	GASPER GEO LAB H	R. L. Polk & Co.
	HALLBECK AXEL J MASSAGE H DO	R. L. Polk & Co.
	JOHNSON SVEN MACH H	R. L. Polk & Co.
	PROSPECT RADIO ELECTRIC CO	R. L. Polk & Co.
	BENSON PHILIP MACH H	R. L. Polk & Co.
1928	PROSPECT RADIO ELECTRIC CO RADIO & PHONGPLIS	New York Telephone
	VIVIAN RUTH MISS R	New York Telephone

87 4TH AVE

Year	Uses	Source
2005	Ortizlosefina	Hill-Donnelly Corporation
	Rodriguez Tire Shop	Hill-Donnelly Corporation
1997	LAZANEY Jose Henridgue	NYNEX
1992	ALL S	NYNEX Informantion Resource Co.
	ANGELO S TIRE REPR	NYNEX Informantion Resource Co.
1985	ANGELO S TIRE REPR	NYNEX Information Resources Company
	APPLE RENT A CAR	NYNEX Information Resources Company
1970	Myree Saml	New York Telephone

FINDINGS

Year	Uses	Source
1965	Myree Saml	New York Telephone
1960	RIVERA ARCADIO	New York Telephone
	Rivera Arcadio	New York Telephone Company
1928	ANDERSON CORNELIA MISS R	New York Telephone

88 4TH AVE

Year	Uses	Source
2005	h Madauchlan Claire & Ildiko	Hill-Donnelly Corporation
	Wiseman Rachel	Hill-Donnelly Corporation
	Legends Car & Limo Svc	Hill-Donnelly Corporation
	Fourth Avenue Check Cashing	Hill-Donnelly Corporation
1997	RODRIGUEZ Shirley	NYNEX
	Arab American Family Support Center Inc	NYNEX
	Fourth Avenue Check Cashing Service	NYNEX
	Fourth Ave Check Cashing	NYNEX
	WESTERN UNION To Pick Up Or Send Money Transfers	NYNEX
1992	FOURTH AVENUE CHECK CASHING SERVICE	NYNEX Informantion Resource Co.
1985	RODRIGUEZ S	NYNEX Information Resources Company
	RODRIGUEZ SHIRLEY	NYNEX Information Resources Company
1960	Ohanian Dick vlcanizing	New York Telephone Company
	OHANIAN DICK VLCANIZING	New York Telephone
1949	Didato Frank M	New York Telephone
	Ohanian Dick vlcanizing	New York Telephone
1945	N Y CITY OF HEALTH DEPT OF Child Health Stations	New York Telephone
1940	Atlantic Tire Works	New York Telephone
	Multiplex Radio Svce	New York Telephone
	Ohanian Dick vlcanizing	New York Telephone
1934	ALPHA DENTAL LABORATORY	R. L. Polk & Co.
	MRS MIDWIFE H DO	R. L. Polk & Co.
	DIEM CAROLINE H	R. L. Polk & Co.
	DIEM EDITH STEN R	R. L. Polk & Co.
	DIEM JOHN SLSMN R	R. L. Polk & Co.
	KISSWETTER FORTUNATO LAB H	R. L. Polk & Co.
	VERDEYAN MICHL A REAL EST	R. L. Polk & Co.
	WALTERS ANDREW L CITY FIREMN H	R. L. Polk & Co.
1928	PALMQUIST & PERSON DENTAL LAB	New York Telephone
	OHANIAN DICK VLCANIZING	New York Telephone

Year	Uses	Source
1928	ALPHA DENTAL LABORATORY	New York Telephone

88A 4TH AVE

Year	Uses	Source
1992	E T BUSINESS BROKER INC	NYNEX Informantion Resource Co.
	AMIGO ELECTRICAL CONTRACTOR	NYNEX Informantion Resource Co.
1985	VARGAS SANDINO	NYNEX Information Resources Company
1934	ELIAS H	R. L. Polk & Co.
1928	VERDI M A FOREIGN EXCH BRKR	New York Telephone

89 4TH AVE

Year	Uses	Source
2005	Anthony Onva PC 2 P	Hill-Donnelly Corporation
	h Court Glen	Hill-Donnelly Corporation
	Means Samuel	Hill-Donnelly Corporation
	h Onua Anthony	Hill-Donnelly Corporation
	Umana Oton Law Offices	Hill-Donnelly Corporation
	Anthony Onua Law Offices	Hill-Donnelly Corporation
1997	Unity Real Estate	NYNEX
1992	PENA MINERVA	NYNEX Informantion Resource Co.
1985	GONZALEZ RICHARD	NYNEX Information Resources Company
	SKINNER WM	NYNEX Information Resources Company
1980	FELICIANO VILMA	New York Telephone
1976	SKINNER WM	New York Telephone
1973	Skinner Wm	New York Telephone
1970	Skinner Wm	New York Telephone
1965	Diaz Carls E Rev	New York Telephone
	Perry Painters & Plasterers	New York Telephone
1949	Cappiello Mae Mrs	New York Telephone
1945	Cappiello Mae Mrs	New York Telephone
1934	HIGGINS JOHN R	R. L. Polk & Co.
1928	PRICE MICHAEL R	New York Telephone

4th Avenue

79 4th Avenue

Year	Uses	Source
2005	L&P Laundry I	Hill-Donnelly Corporation
1997	St Marks IV Av Laundromat	NYNEX
1992	ST MARKS LAUNDROMAT	NYNEX Informantion Resource Co.

FINDINGS

Year	Uses	Source
1976	GUILLAUME G	New York Telephone
1973	Guillaume G	New York Telephone
	Cruz Anna Mrs	New York Telephone
1970	Guillaume G	New York Telephone
1965	Guillaume G	New York Telephone
1960	Guillaume G	New York Telephone Company
	Jensen Karl M	New York Telephone Company
	Larson Karl	New York Telephone Company
	GUILLAUME G	New York Telephone
	JENSEN KARL M	New York Telephone
	LARSON KARL	New York Telephone
1949	Freeman Maxwell	New York Telephone
	Lenox Chemcl Co	New York Telephone
	Guillaume G	New York Telephone
	Liga Philip V	New York Telephone
	Simone Wm V	New York Telephone
	Hillebrecht Chas	New York Telephone
	Sani Pine Corp	New York Telephone
1945	Simone Wm V	New York Telephone
	Guillaume G	New York Telephone
	Lenox Chemcl Co	New York Telephone
	Sani Pine Corp	New York Telephone
	Hillebrecht Chas	New York Telephone
	Freeman Maxwell	New York Telephone
1940	De Linde Chas	New York Telephone
	U S Hoffman Macby Corp	New York Telephone
	Hoffman Machy Corpn US	New York Telephone
1928	DI BELLA LOUIS R	New York Telephone
	SPERO A P DRUGGIST	New York Telephone

83 4th Avenue

Year	Uses	Source
1949	Squicciarini A & Son Inc silk ornmts	New York Telephone
1928	VAN GELDER HARRY R	New York Telephone

85 4th Avenue

Year	Uses	Source
2005	Modern Way Lumber	Hill-Donnelly Corporation
1997	Abc Fox News Annex	NYNEX

FINDINGS

Year	Uses	Source
1997	MODERN WAY LUMBER CO	NYNEX
1992	IMPERIAL MODERN WAY	NYNEX Informantion Resource Co.
	MODERN WAY LUMBR CO	NYNEX Informantion Resource Co.
	MODERN WAY CONTRACTORS	NYNEX Informantion Resource Co.
1985	MODERN WAY LUMBR CO	NYNEX Information Resources Company
	JAMAR PRODS	NYNEX Information Resources Company
	CRESTLINE WINDOW DISTRIBUTERS	NYNEX Information Resources Company
	MODERN WAY CONTRACTORS	NYNEX Information Resources Company
	IMPERIAL MODEM WAY	NYNEX Information Resources Company
	JAMAR PRODUCTS	NYNEX Information Resources Company
1976	MODERN WAY LUMBR CO	New York Telephone
	IMPERIAL LUMBER MARTS	New York Telephone
	JAMAR PRODS	New York Telephone
	MODERN WAY CONTRACTORS	New York Telephone
	SUN STOP EAST INC	New York Telephone
1973	Modern Way Contractors	New York Telephone
	Modern Way Lumbr Co	New York Telephone
	Natl Payment Plan Div of Amer Honor Guild Inc	New York Telephone
1970	Modern Way Contractors	New York Telephone
	Modern Way Lumbr Co	New York Telephone
	Natl Payment Plan Div of Amer Honor Guild Inc	New York Telephone
1965	Modern Way Contractors	New York Telephone
	Modern Way Lumbr Co	New York Telephone
1960	MODERN WAY CONTRACTORS	New York Telephone
	MODERN WAY LUMBR CO	New York Telephone
	Modern Way Contractors	New York Telephone Company
	Modern Way Lumbr Co	New York Telephone Company
1934	BISHOP H	R. L. Polk & Co.
	BISHOP R	R. L. Polk & Co.
	BASSET JOS PNTER R	R. L. Polk & Co.
1928	PUBLIC SCHOOLS BARO OF BKLYN	New York Telephone

87 4th Avenue

Year	Uses	Source
2005	Ortizlosefina	Hill-Donnelly Corporation
	Rodriguez Tire Shop	Hill-Donnelly Corporation
1997	LAZANEY Jose Henridgue	NYNEX
1992	ANGELO S TIRE REPR	NYNEX Informantion Resource Co.

FINDINGS

Year	Uses	Source
1992	ALL S	NYNEX Informantion Resource Co.
1985	ANGELO S TIRE REPR	NYNEX Information Resources Company
	APPLE RENT A CAR	NYNEX Information Resources Company
1970	Myree Saml	New York Telephone
1965	Myree Saml	New York Telephone
1960	RIVERA ARCADIO	New York Telephone
	Rivera Arcadio	New York Telephone Company
1928	ANDERSON CORNELIA MISS R	New York Telephone

89 4th Avenue

Year	Uses	Source
2005	h Court Glen	Hill-Donnelly Corporation
	Anthony Onua Law Offices	Hill-Donnelly Corporation
	Anthony Onva PC 2 P	Hill-Donnelly Corporation
	Means Samuel	Hill-Donnelly Corporation
	h Onua Anthony	Hill-Donnelly Corporation
	Umana Oton Law Offices	Hill-Donnelly Corporation
1997	Unity Real Estate	NYNEX
1992	PENA MINERVA	NYNEX Informantion Resource Co.
1985	SKINNER WM	NYNEX Information Resources Company
	GONZALEZ RICHARD	NYNEX Information Resources Company
1980	FELICIANO VILMA	New York Telephone
1976	SKINNER WM	New York Telephone
1973	Skinner Wm	New York Telephone
1970	Skinner Wm	New York Telephone
1965	Diaz Carls E Rev	New York Telephone
	Perry Painters & Plasterers	New York Telephone
1949	Cappiello Mae Mrs	New York Telephone
1945	Cappiello Mae Mrs	New York Telephone
1934	HIGGINS JOHN R	R. L. Polk & Co.
1928	PRICE MICHAEL R	New York Telephone

91 4th Avenue

Year	Uses	Source
2005	Jones Oliver H	Hill-Donnelly Corporation
1997	BUSH Kenneth	NYNEX
	CASTELLEANOS Carios	NYNEX
	SOUTHERN Wanda	NYNEX
1992	MOSES CLAUDETTE	NYNEX Informantion Resource Co.

FINDINGS

Year	Uses	Source
1992	SOUTHERN WANDA	NYNEX Informantion Resource Co.
1985	HERNANDEZ HILDA	NYNEX Information Resources Company
1980	VARGAS GRACIELA	New York Telephone
1976	VARGAS GRACIELA	New York Telephone
1970	Vargas Graciela	New York Telephone
1949	Kilgariff Pearl Mrs	New York Telephone
	Holzmann Neil J	New York Telephone
1945	Kilgariff Pearl Mrs	New York Telephone
	Holzmann Geraldine	New York Telephone
1934	HOHZMANN KATHLEEN CLK H	R. L. Polk & Co.
	KILGARIFF JOHN LAB H	R. L. Polk & Co.
	HOLZMANN GEO C CLK H	R. L. Polk & Co.
	HOLZMANN KATHLEEN CLK R	R. L. Polk & Co.
	MCCANN JOS H	R. L. Polk & Co.

MARKS PL

77 ST MARKS PL

Year	Uses	Source
1960	PETRAROLI NANCY	New York Telephone

SAINT MARKS

76 SAINT MARKS

Year	Uses	Source
1928	TROSKI DAVID BARBER	New York Telephone

SAINT MARKS PL

56 SAINT MARKS PL

Year	Uses	Source
2000	SHALHEVET MOSHE	Cole Information Services
	FRITZ JEANPIERRE	Cole Information Services
	A DELICHATSIOS	Cole Information Services
1976	SANTIAGO MARIA MRS	New York Telephone
	ANDINO JULIA	New York Telephone
1960	ALAMIA ROSS	New York Telephone
	MORRISSEY JOHN S	New York Telephone
1928	DORRELL ELEANOR J MISS R	New York Telephone

FINDINGS

57 SAINT MARKS PL

Year	Uses	Source
2000	JUAN P RODRIGUEZ	Cole Information Services
	ARIEL CANCEL	Cole Information Services
1992	BURGOS PABLO	NYNEX Informantion Resource Co.
	CANCEL J	NYNEX Informantion Resource Co.
	SANG M	NYNEX Informantion Resource Co.
1985	BURGOS PABLO	NYNEX Information Resources Company
	SANG J	NYNEX Information Resources Company
1976	PLEDGER MARY	New York Telephone
1928	MCNABB JAS A R	New York Telephone
	EGAN THOS F R	New York Telephone
	MCNABB ROBT W R	New York Telephone

58 SAINT MARKS PL

Year	Uses	Source
2000	K PHILIPS	Cole Information Services
	NATALIE LANCHARIC	Cole Information Services
	C KLIMCHOCK	Cole Information Services
	BRYAN J KAY	Cole Information Services
	SARAH IVES	Cole Information Services
1992	WARREN R	NYNEX Informantion Resource Co.
	ALBERT KIMSON	NYNEX Informantion Resource Co.
	PERKINS ELIZABETH	NYNEX Informantion Resource Co.
	TALBERT R T	NYNEX Informantion Resource Co.
1985	RENE GONTI	NYNEX Information Resources Company
1960	GLOVER THELMA	New York Telephone
1928	HESS MAX R	New York Telephone

59 SAINT MARKS PL

Year	Uses	Source
2000	RIVERA BXNG FITNS	Cole Information Services
	2FL ELIOT MARKELL	Cole Information Services
1992	MARKELL ELIOT	NYNEX Informantion Resource Co.
1960	J & J CONTRCTG CO TOYS	New York Telephone

68 SAINT MARKS PL

Year	Uses	Source
1985	DAVILA NANCY	NYNEX Information Resources Company

FINDINGS

74 SAINT MARKS PL

Year	Uses	Source
1960	JEWISH BIG BROS & BIG SISTERS	New York Telephone
	JEWISH BIG BROS & BIG SISTERS	New York Telephone

75 SAINT MARKS PL

Year	Uses	Source
1960	DEVITO HENRY M	New York Telephone
	IERARDO SALVATORE M	New York Telephone

77 SAINT MARKS PL

Year	Uses	Source
2000	SIXTA D RODRIGUEZ	Cole Information Services
	JONATHAN TOEWS	Cole Information Services
1985	MASSALLO M	NYNEX Information Resources Company
1960	ONOLFI AMBROSIO	New York Telephone

79 SAINT MARKS PL

Year	Uses	Source
1992	WRIGHT CLARA	NYNEX Informantion Resource Co.
	SCHENDLER V	NYNEX Informantion Resource Co.
	SAWYER DAVID NOSSEF W	NYNEX Informantion Resource Co.
1985	MC KINLEY MICHAEL	NYNEX Information Resources Company
	ALBRIGHT KARIN	NYNEX Information Resources Company
1960	MASSARO PAUL A	New York Telephone

ST MARK S PL

56 ST MARK S PL

Year	Uses	Source
1934	DORRELL EMILY BKPR DAVID & RYDER R	R. L. Polk & Co.
	DORRELL MARGT H	R. L. Polk & Co.
	DORRELL ELEGNOR J INSPR R	R. L. Polk & Co.

79 ST MARK S PL

Year	Uses	Source
1934	BURDY FRANK J DRIVER R	R. L. Polk & Co.

FINDINGS

ST MARKS PL

56 ST MARKS PL

Year	Uses	Source
2005	Linden Patrick	Hill-Donnelly Corporation
1997	JIMENEZ Hector	NYNEX
	PELLOT R	NYNEX
1965	Morrissey John S	New York Telephone
	Santiago Maria	New York Telephone
1960	Alamia Ross	New York Telephone Company
	Morrissey John S	New York Telephone Company
1949	Barnes Henry D	New York Telephone
	Alamia Ross	New York Telephone
1945	Barnes Henry D	New York Telephone
1940	Hess Max	New York Telephone
1934	HESS MAX MEATS	R. L. Polk & Co.

57 ST MARKS PL

Year	Uses	Source
2005	Cancel Ana	Hill-Donnelly Corporation
	Li Weyfeng	Hill-Donnelly Corporation
1997	RODRIGUEZ Juan Perez	NYNEX
1949	Martinez Jos	New York Telephone
1934	CINCOTTA ANGELO J LAWYER R1112	R. L. Polk & Co.
	MCNABB EDW R	R. L. Polk & Co.
	MCNABB JAS A H	R. L. Polk & Co.
	MCNABB JAS A JR R	R. L. Polk & Co.
	MCNABB JENNIE R	R. L. Polk & Co.
	MCNABB LILLIAN BKPR R	R. L. Polk & Co.
	MCNABB ROBT W ELECTN R	R. L. Polk & Co.
	TOMASULO DOMINICK LAB R	R. L. Polk & Co.
	TOMASULO FRANK R	R. L. Polk & Co.
	TOMASULO JOS BOOTBLK H	R. L. Polk & Co.
	TOMASULO ROSE R	R. L. Polk & Co.

58 ST MARKS PL

Year	Uses	Source
2005	h Philips K	Hill-Donnelly Corporation
	Jones Bradley	Hill-Donnelly Corporation

FINDINGS

Year	Uses	Source
2005	Currie Daniel	Hill-Donnelly Corporation
1997	CANDIO Jeanne	NYNEX
	PRINGLE R	NYNEX
	SHORES Jeft	NYNEX
	THOMAS V	NYNEX
1970	Cruz Irma	New York Telephone
	Mitchell E	New York Telephone
1965	Davis Anna	New York Telephone
1960	Glover Thelma	New York Telephone Company
1949	Fuentes Peter	New York Telephone
	Losurdo Andrew G	New York Telephone
1934	ANNASUTO DOMINICK LAB H	R. L. Polk & Co.
	CORSO SALVATORE LAB H	R. L. Polk & Co.
	CORSO ROSE FCTY WKR R	R. L. Polk & Co.

59 ST MARKS PL

Year	Uses	Source
2005	Merells Peter	Hill-Donnelly Corporation
	Lee J	Hill-Donnelly Corporation
	Hemandez Sally	Hill-Donnelly Corporation
	Brown MH	Hill-Donnelly Corporation
	Pizzani Francis	Hill-Donnelly Corporation
1997	MARKELL Eliot	NYNEX
1973	Bklyn Civic & Social Club Inc	New York Telephone
1960	J & J Contrctg Co toys	New York Telephone Company
1949	Three Jays Coats Suit Co	New York Telephone
	So Best Novelty Co	New York Telephone
1934	FREEMAN JOS CARP H	R. L. Polk & Co.

68 ST MARKS PL

Year	Uses	Source
2005	Verkullen Peter	Hill-Donnelly Corporation
	Tejada Francisco	Hill-Donnelly Corporation
	h Brown Lew	Hill-Donnelly Corporation
1997	REGISTRE Joseph	NYNEX

73 ST MARKS PL

Year	Uses	Source
1934	LEE EDMUND R	R. L. Polk & Co.

FINDINGS

74 ST MARKS PL

Year	Uses	Source
1960	Jewish Big Bros & Big Sisters	New York Telephone Company
	Jewish Big Bros & Big Sisters	New York Telephone Company
	Ramapo Anchorage Camp Inc	New York Telephone Company

75 ST MARKS PL

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Corporation
1973	Juarbe Juan	New York Telephone
1960	Ierardo Salvatore M	New York Telephone Company
	De Vito Henry M	New York Telephone Company
1934	MCPHILLIPS GRACE STEN R	R. L. Polk & Co.
	MCPHILLIPS EDW MACH H	R. L. Polk & Co.
	MCCORMACK MAY R	R. L. Polk & Co.
	MCCORMACK JOHN LAB R	R. L. Polk & Co.
	H	R. L. Polk & Co.
	F R	R. L. Polk & Co.
	FREDRICKSSON EDW CARP R	R. L. Polk & Co.
	ANDERSON GEO LAB R	R. L. Polk & Co.
	MCPHILLIPS JOHN FCTY WKR R	R. L. Polk & Co.
	PETERSON ALVA LAB R	R. L. Polk & Co.
	SWANSON AXEL CARP R	R. L. Polk & Co.
	VANDORO JOHN LAB R	R. L. Polk & Co.

76 ST MARKS PL

Year	Uses	Source
1934	MONTANUS WM C R	R. L. Polk & Co.

77 ST MARKS PL

Year	Uses	Source
2005	Stockton Laura	Hill-Donnelly Corporation
	h Cancel Miguel	Hill-Donnelly Corporation
1973	Cancel Genaro	New York Telephone
1970	Cancel Genaro	New York Telephone
1965	Petraroli Nancy	New York Telephone
	Basso Carmine	New York Telephone
1960	Petraroli Nancy	New York Telephone Company
	Onolfi Ambrosio	New York Telephone Company
1934	HAUPT FRED D DOCKMASTRES DENT R	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	GONZALCS MARIO R H	R. L. Polk & Co.

79 ST MARKS PL

Year	Uses	Source
2005	H Sawyer David Nossef W	Hill-Donnelly Corporation
1997	WRIGHT Michelle	NYNEX
	WRIGHT Clara	NYNEX
	SCHENDLER V	NYNEX
	SAWYER David Nossef W	NYNEX
1973	Rosario M	New York Telephone
	Perez Efrain	New York Telephone
1970	Rosario M	New York Telephone
	Villa Diego	New York Telephone
1960	Massaro Paul A	New York Telephone Company
1945	Coscia Anthony	New York Telephone
1934	MAURO VINCENT DELEGALE R	R. L. Polk & Co.
	COSCIA ANTHONY DRIVER H	R. L. Polk & Co.
	MAURO ARTH DRIVER H	R. L. Polk & Co.

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

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

Address Researched	Address Not Identified in Research Source
81 4th Avenue	2000, 1997, 1992, 1985, 1980, 1976, 1949, 1945, 1940, 1928

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

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

Address Researched	Address Not Identified in Research Source
56 SAINT MARKS PL	2005, 1997, 1992, 1985, 1980, 1973, 1970, 1965, 1949, 1945, 1940, 1934
56 ST MARK S PL	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
56 ST MARKS PL	2000, 1992, 1985, 1980, 1976, 1973, 1970, 1928
57 SAINT MARKS PL	2005, 1997, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934
57 ST MARKS PL	2000, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1928
58 SAINT MARKS PL	2005, 1997, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934
58 ST MARKS PL	2000, 1992, 1985, 1980, 1976, 1973, 1945, 1940, 1928
59 SAINT MARKS PL	2005, 1997, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
59 ST MARKS PL	2000, 1992, 1985, 1980, 1976, 1970, 1965, 1945, 1940, 1928
641 833 89 4TH AVE	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
68 SAINT MARKS PL	2005, 2000, 1997, 1992, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
68 ST MARKS PL	2000, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
7-5 4TH AVE	2005, 2000, 1997, 1992, 1985, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
73 ST MARKS PL	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
74 SAINT MARKS PL	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
74 ST MARKS PL	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
75 4TH	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934
75 4TH AVE	2000, 1970, 1965, 1960, 1949, 1945, 1940
75 SAINT MARKS PL	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
75 ST MARKS PL	2000, 1997, 1992, 1985, 1980, 1976, 1970, 1965, 1949, 1945, 1940, 1928
76 4TH	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1934, 1928
76 4TH AVE	2000, 1997, 1980, 1973, 1949, 1945, 1940
76 SAINT MARKS	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934
76 ST MARKS PL	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
77 4TH AVE	2000, 1980, 1973, 1940, 1934, 1928
77 SAINT MARKS PL	2005, 1997, 1992, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
77 ST MARKS PL	2000, 1997, 1992, 1985, 1980, 1976, 1949, 1945, 1940, 1928
77 ST MARKS PL	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
78 44TH AVE	2005, 2000, 1997, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
78 4TH	2005, 2000, 1997, 1992, 1985, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934
78 4TH AVE	2000, 1980
79 4TH	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934
79 4TH AVE	2000, 1985, 1980, 1934
79 4th Avenue	2000, 1985, 1980, 1934
79 SAINT MARKS PL	2005, 2000, 1997, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
79 ST MARK S PL	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
79 ST MARKS PL	2000, 1992, 1985, 1980, 1976, 1965, 1949, 1940, 1928
80 4TH	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
80 4TH AVE	2000, 1985
80A 4TH AVE	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1949, 1945, 1940
82 4TH	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934
82 4TH AVE	2000, 1980, 1949, 1945
83 4TH	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934
83 4TH AVE	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
83 4th Avenue	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934
84 4TH	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934
84 4TH AVE	2005, 2000, 1945, 1940, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
85 4TH	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934
85 4TH AVE	2000, 1980, 1949, 1945, 1940, 1928
85 4th Avenue	2000, 1980, 1949, 1945, 1940
86 4 AVENUE AVE	2005, 2000, 1997, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
86 4TH	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934
86 4TH AVE	2000, 1985, 1980
87 4TH AVE	2000, 1980, 1976, 1973, 1949, 1945, 1940, 1934
87 4th Avenue	2000, 1980, 1976, 1973, 1949, 1945, 1940, 1934
88 4TH AVE	2000, 1980, 1976, 1973, 1970, 1965
88A 4TH AVE	2005, 2000, 1997, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940
89 4TH AVE	2000, 1960, 1940
89 4th Avenue	2000, 1960, 1940
91 4th Avenue	2000, 1973, 1965, 1960, 1940, 1928

APPENDIX E

EDR RADIUS MAP REPORT

(EXECUTIVE SUMMARY)

Modern Way Lumber
81 4th Avenue
Brooklyn, NY 11217

Inquiry Number: 3016940.2s
March 17, 2011

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

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

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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

81 4TH AVENUE
BROOKLYN, NY 11217

COORDINATES

Latitude (North):	40.681700 - 40° 40' 54.1''
Longitude (West):	73.980000 - 73° 58' 48.0''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	586197.9
UTM Y (Meters):	4503712.5
Elevation:	29 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	40073-F8 BROOKLYN, 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 not listed in any of the databases searched by EDR.

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 non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS ---------- Inactive Hazardous Waste Disposal Sites in New York State
VAPOR REOPENED ---------- Vapor Intrusion Legacy Site List

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

State and tribal institutional control / engineering control registries

ENG CONTROLS ---------- Registry of Engineering Controls
INST CONTROL ---------- Registry of Institutional Controls

RES DECL ---- Restrictive Declarations Listing

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
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
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
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 Sleam-Electric Plan Operation Data

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 CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 05/25/2010 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PATTERSON CHEMICAL CO INC	***102 3RD ST***	***WSW 1/2 - 1 (0.726 mi.)***	***169***	***591***

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 02/17/2010 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AY 195 FLATBUSH LLC	***195 FLATBUSH AVE***	***E 1/8 - 1/4 (0.207 mi.)***	***S81***	***270***

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 02/17/2010 has revealed that there are 8 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BROOKLYN HIGH SCHOOL OF THE AR	345 DEAN ST	NNW 1/8 - 1/4 (0.142 mi.)	I39	140
ECONOMY CLEANERS	***123 5TH AVE***	***SSE 1/8 - 1/4 (0.205 mi.)***	***R79***	***254***
NYCTA - A A BULK STORAGE	***SE COR FLATBUSH & ATLAN***	***NE 1/8 - 1/4 (0.210 mi.)***	***U87***	***310***
MTA LIRR - FLATBUSH TERMINAL	***ATLANTIC & FLATBUSH AVE***	***NE 1/8 - 1/4 (0.210 mi.)***	***U88***	***324***
CON EDISON	543 ATLANTIC AVE	N 1/8 - 1/4 (0.220 mi.)	W93	361
TARGET #1849	***139 FLATBUSH AVE***	***NNE 1/8 - 1/4 (0.228 mi.)***	***100***	***373***

Lower Elevation	Address	Direction / Distance	Map ID	Page
BELT CLEANERS	***92-17 3RD AVE***	***NW 1/8 - 1/4 (0.164 mi.)***	***M59***	***185***
ULANO CORP	***280 BERGEN ST***	***NW 1/8 - 1/4 (0.211 mi.)***	***V90***	***331***

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

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the list.

A review of the SWF/LF list, as provided by EDR, and dated 01/12/2011 has revealed that there are 5 SWF/LF sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BALTIC RECYCLING CORP.	524-26 BALTIC STREET	W 1/8 - 1/4 (0.226 mi.)	X98	369
RINALDI RECYCLING CO. INC.	182 4TH AVE.	SSW 1/8 - 1/4 (0.236 mi.)	AD110	412
CROSS BAY CONTRACTING	242 NEVINS ST.	W 1/4 - 1/2 (0.325 mi.)	AJ134	510
ROYAL RECYCLING CORP.	242 NEVINS STREET	W 1/4 - 1/2 (0.325 mi.)	AJ135	510
BASIN HAULAGE INC. I	462-470 BALTIC STREET	WNW 1/4 - 1/2 (0.362 mi.)	140	518

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 57 LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SHELL STATION Date Closed: 11/17/2000	***9001 4TH AVE***	***W 0 - 1/8 (0.012 mi.)***	***A1***	***7***
341 BERGEN ST Date Closed: 4/30/1998	***341 BERGEN ST***	***N 0 - 1/8 (0.068 mi.)***	***B19***	***58***
124 4TH AVENUE	***124 4TH AVENUE***	***SW 0 - 1/8 (0.090 mi.)***	***F24***	***75***
80 3RD AVE. Date Closed: 10/27/1992	***80 3RD AVE.***	***NNW 1/8 - 1/4 (0.183 mi.)***	***N69***	***214***
MOBIL S/S Date Closed: 7/30/1990	***185 FLATBUSH AVENUE***	***ENE 1/8 - 1/4 (0.201 mi.)***	***Q77***	***251***
ECONOMY CLEANERS Date Closed: 11/30/2005	***123 5TH AVE***	***SSE 1/8 - 1/4 (0.205 mi.)***	***R79***	***254***
BETHLEHEM CHURCH TTF Date Closed: 9/30/2010	490 PACIFIC ST	NNW 1/8 - 1/4 (0.221 mi.)	T95	365
195 FLATBUSH AVE/BKLYN Date Closed: 10/29/1990	***195 FLATBUSH AVENUE***	***E 1/8 - 1/4 (0.240 mi.)***	***Y115***	***434***
NY PACIFIC REALITY Date Closed: 3/3/2003	***626 PACIFIC ST***	***ENE 1/8 - 1/4 (0.246 mi.)***	***118***	***459***
HSBC BANK Date Closed: 6/26/2003	1 HANSON PLACE	NNE 1/4 - 1/2 (0.263 mi.)	AG122	474
ETHYLENE CHLORIDE AT SAVI	***1 HANSON PLACE***	***NNE 1/4 - 1/2 (0.263 mi.)***	***AG123***	***475***
AY 473 DEAN, LLC Date Closed: 8/5/2005	***473 DEAN ST***	***E 1/4 - 1/2 (0.272 mi.)***	***125***	***488***
Not reported Date Closed: 4/16/2004	11 LINCOLN PLACE	S 1/4 - 1/2 (0.289 mi.)	127	493
126TH STREET/FELIX STREET Date Closed: 12/22/1992	***126TH STREET/FELIX STRE***	***NNE 1/4 - 1/2 (0.310 mi.)***	***AI129***	***497***
BROOKLYN MUSIC SCHOOL Date Closed: 3/6/2003	***126 ST. FELIX STREET***	***NNE 1/4 - 1/2 (0.310 mi.)***	***AI130***	***500***
SOFIA BROS Date Closed: 2/15/2007	491 BERGEN STREET	ESE 1/4 - 1/2 (0.321 mi.)	131	503
NYFD ENG 219 Date Closed: 4/30/2004	***494 DEAN ST***	***E 1/4 - 1/2 (0.323 mi.)***	***133***	***505***
430 PACIFIC STREET Date Closed: 10/15/2007	430 PACIFIC STREET	NW 1/4 - 1/2 (0.330 mi.)	136	511
AYALA RESIDENCE Date Closed: 12/18/2002	***19 BERKELEY PL***	***S 1/4 - 1/2 (0.338 mi.)***	***137***	***512***
DEPARTMENT HPD Date Closed: 10/25/2005	***516 BERGEN STREET***	***ESE 1/4 - 1/2 (0.361 mi.)***	***139***	***515***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
438-440 ATLANTIC AVENUE Date Closed: 2/9/1996	***438-440 ATLANTIC AVENUE***	***NNW 1/4 - 1/2 (0.383 mi.)***	***142***	***519***
APRT Date Closed: 9/4/2008	25 LAFAYTEE AVE	NNE 1/4 - 1/2 (0.387 mi.)	143	521
SMITH RESIDENCE Date Closed: 12/20/2004	99 ST MARKS AVE	ESE 1/4 - 1/2 (0.389 mi.)	144	523
COMMUNITY LIVING Date Closed: 11/26/2008 Date Closed: 9/30/2003	***50 NEVINS ST***	***NNW 1/4 - 1/2 (0.395 mi.)***	***AK145***	***524***
Not reported Date Closed: 7/23/2003	***40 NEVINS ST***	***NNW 1/4 - 1/2 (0.414 mi.)***	***AK147***	***531***
620 FULTON ST. Date Closed: 4/21/2006	***620 FULTON ST.***	***NNE 1/4 - 1/2 (0.423 mi.)***	***AM150***	***537***
CITGO Date Closed: 1/14/2004	***620 FULTON ST.***	***NNE 1/4 - 1/2 (0.423 mi.)***	***AM151***	***541***
ALLIANCE OF RESIDENT THEATRICS Date Closed: 1/28/2005	***138 SOUTH OXFORD STREET***	***ENE 1/4 - 1/2 (0.428 mi.)***	***153***	***544***
124 LINCOLN PLACE Date Closed: 6/2/1995	***124 LINCOLN PLACE***	***SSE 1/4 - 1/2 (0.434 mi.)***	***154***	***550***
300 FLATBUSH AV/ 7TH AV Date Closed: 7/3/1997	***300 FLATBUSH AV/ 7TH AV***	***SE 1/4 - 1/2 (0.443 mi.)***	***155***	***552***
30 FLATBUSH AV - CON ED Date Closed: 9/23/2005	***30 FLATBUSH AV***	***N 1/4 - 1/2 (0.443 mi.)***	***156***	***555***
BROOKLYN ACADEMY OF MUSIC Date Closed: 3/3/2003	***FULTON ST & ROCKWELL PL***	***N 1/4 - 1/2 (0.454 mi.)***	***157***	***560***
225 6TH AVE. Date Closed: 11/19/1992	***225 6TH AVE.***	***S 1/4 - 1/2 (0.485 mi.)***	***164***	***578***
ATLANTIC TERMINAL Date Closed: 2/1/1996	***487 CARLTON AVE***	***ENE 1/4 - 1/2 (0.491 mi.)***	***AP165***	***581***
ATLANTIC TERMINAL -NYCHA	483 CARLTON AVE	ENE 1/4 - 1/2 (0.492 mi.)	AP166	586
ATLANTIC MERIT Date Closed: 8/29/1988	***ATLANTIC & CARLTON AVE.***	***E 1/4 - 1/2 (0.493 mi.)***	***167***	***587***
CHURCH Date Closed: 11/22/2006	156 STERLING PLACE	SE 1/4 - 1/2 (0.497 mi.)	168	590

Lower Elevation	Address	Direction / Distance	Map ID	Page
WYCKOFF CONSOLIDATED Date Closed: 3/8/2005	***572 WARREN ST***	***W 1/8 - 1/4 (0.126 mi.)***	***G32***	***121***
105 3RD AVE Date Closed: 11/12/1998	***105 3RD AVENUE***	***NW 1/8 - 1/4 (0.148 mi.)***	***J42***	***143***
MAXIMUM DISTRIBUTORS- TTF Date Closed: 8/18/2009	151-169 3RD AVE	W 1/8 - 1/4 (0.172 mi.)	O63	203
ULANO CORP Date Closed: 5/18/1999	***280 BERGEN ST***	***NW 1/8 - 1/4 (0.211 mi.)***	***V90***	***331***
267 DOUGLAS STREET Date Closed: 10/2/1992	***267 DOUGLAS STREET***	***WSW 1/8 - 1/4 (0.228 mi.)***	***Z102***	***389***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
WYCKOFF GARDENS Date Closed: 1/8/2004	***272 WYCKOFF STREET***	***WNW 1/8 - 1/4 (0.234 mi.)***	***AB106***	***407***
AJR (COMMERCIAL BLDG.) Date Closed: 4/28/2005	599 DEGRAW ST	SSW 1/8 - 1/4 (0.237 mi.)	AD111	413
280 DOUGLAS ST Date Closed: 3/10/1995	***280 DOUGLAS STREET***	***WSW 1/8 - 1/4 (0.240 mi.)***	***Z116***	***439***
WYCKOFF GARDENS Date Closed: 1/8/2004	***272 WYCKOFF STREET***	***WNW 1/4 - 1/2 (0.250 mi.)***	***AB121***	***471***
WYCKOFF GARDENS Date Closed: 5/14/1999	***185 NEVINS ST***	***WNW 1/4 - 1/2 (0.265 mi.)***	***124***	***485***
MERRITT GAS STATION Date Closed: 6/11/1997	***204-222 4TH AV***	***SSW 1/4 - 1/2 (0.288 mi.)***	***AH126***	***491***
4TH & SACKETT STREET Date Closed: 8/3/1994	***4TH & SACKETT STREET***	***SSW 1/4 - 1/2 (0.306 mi.)***	***AH128***	***495***
Not reported Date Closed: 9/3/2003	233 BUTLER ST	W 1/4 - 1/2 (0.321 mi.)	132	504
540 PRESIDENT STREET Date Closed: 1/18/1993	***540 PRESIDENT STREET***	***SW 1/4 - 1/2 (0.399 mi.)***	***146***	***529***
GOWANUS HOUSING COMPLEX-NYCHA Date Closed: 9/23/2008	238 BOND ST	W 1/4 - 1/2 (0.422 mi.)	AL148	534
GOWANAS HOUSING -NYCHA Date Closed: 12/23/2005	238 BOND ST	W 1/4 - 1/2 (0.422 mi.)	AL149	536
473 PRESIDENT	***473 PRESIDENT ST***	***WSW 1/4 - 1/2 (0.456 mi.)***	***AO160***	***565***
VERIZON Date Closed: 10/2/2003	***318 NEVINS STREET***	***WSW 1/4 - 1/2 (0.467 mi.)***	***AO161***	***568***
325 NEVINS STREET Date Closed: 5/8/1995 Date Closed: 10/9/1995	***325 NEVINS STREET***	***WSW 1/4 - 1/2 (0.468 mi.)***	***AO162***	***572***
JOEL VENGRIN Date Closed: 6/1/2004	155 BERGEN STREET	NW 1/4 - 1/2 (0.470 mi.)	163	577

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 39 HIST LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SHELL STATION Date Closed: 11/17/00	***9001 4TH AVE***	***W 0 - 1/8 (0.012 mi.)***	***A1***	***7***
PARKING LOT -MTBE Date Closed: / /	***90 4TH AVE***	***W 0 - 1/8 (0.012 mi.)***	***A2***	***15***
MOBIL S/S Date Closed: / /	89-14 4TH AVE	SSW 0 - 1/8 (0.019 mi.)	A5	23

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
341 BERGEN ST Date Closed: 04/30/98	***341 BERGEN ST***	***N 0 - 1/8 (0.068 mi.)***	***B19***	***58***
124 4TH AVENUE Date Closed: / /	***124 4TH AVENUE***	***SW 0 - 1/8 (0.090 mi.)***	***F24***	***75***
80 3RD AVE. Date Closed: 10/27/92	***80 3RD AVE.***	***NNW 1/8 - 1/4 (0.183 mi.)***	***N69***	***214***
MOBIL S/S Date Closed: / /	***185 FLATBUSH AVENUE***	***ENE 1/8 - 1/4 (0.201 mi.)***	***Q77***	***251***
195 FLATBUSH AVE/BKLYN Date Closed: 10/29/90	***195 FLATBUSH AVENUE***	***E 1/8 - 1/4 (0.240 mi.)***	***Y115***	***434***
NY PACIFIC REALITY Date Closed: / /	***626 PACIFIC ST***	***ENE 1/8 - 1/4 (0.246 mi.)***	***118***	***459***
126TH STREET/FELIX STREET Date Closed: 12/22/92	***126TH STREET/FELIX STRE***	***NNE 1/4 - 1/2 (0.310 mi.)***	***AI129***	***497***
BROOKLYN MUSIC SCHOOL Date Closed: / /	***126 ST. FELIX STREET***	***NNE 1/4 - 1/2 (0.310 mi.)***	***AI130***	***500***
NYFD ENG 219 Date Closed: / /	***494 DEAN ST***	***E 1/4 - 1/2 (0.323 mi.)***	***133***	***505***
DEPARTMENT HPD Date Closed: / /	***516 BERGEN STREET***	***ESE 1/4 - 1/2 (0.361 mi.)***	***139***	***515***
438-440 ATLANTIC AVENUE Date Closed: 02/09/96	***438-440 ATLANTIC AVENUE***	***NNW 1/4 - 1/2 (0.383 mi.)***	***142***	***519***
COMMUNITY LIVING Date Closed: / /	***50 NEVINS ST***	***NNW 1/4 - 1/2 (0.395 mi.)***	***AK145***	***524***
Not reported Date Closed: / /	***40 NEVINS ST***	***NNW 1/4 - 1/2 (0.414 mi.)***	***AK147***	***531***
620 FULTON ST. Date Closed: / /	***620 FULTON ST.***	***NNE 1/4 - 1/2 (0.423 mi.)***	***AM150***	***537***
CITGO Date Closed: / /	***620 FULTON ST.***	***NNE 1/4 - 1/2 (0.423 mi.)***	***AM151***	***541***
ALLIANCE OF RESIDENT THEATRICS Date Closed: / /	***138 SOUTH OXFORD STREET***	***ENE 1/4 - 1/2 (0.428 mi.)***	***153***	***544***
124 LINCOLN PLACE Date Closed: 06/02/95	***124 LINCOLN PLACE***	***SSE 1/4 - 1/2 (0.434 mi.)***	***154***	***550***
300 FLATBUSH AV/ 7TH AV Date Closed: 07/03/97	***300 FLATBUSH AV/ 7TH AV***	***SE 1/4 - 1/2 (0.443 mi.)***	***155***	***552***
BROOKLYN ACADEMY OF MUSIC Date Closed: / /	***FULTON ST & ROCKWELL PL***	***N 1/4 - 1/2 (0.454 mi.)***	***157***	***560***
225 6TH AVE. Date Closed: 11/19/92	***225 6TH AVE.***	***S 1/4 - 1/2 (0.485 mi.)***	***164***	***578***
ATLANTIC TERMINAL Date Closed: 02/01/96	***487 CARLTON AVE***	***ENE 1/4 - 1/2 (0.491 mi.)***	***AP165***	***581***
ATLANTIC MERIT Date Closed: 08/29/88	***ATLANTIC & CARLTON AVE.***	***E 1/4 - 1/2 (0.493 mi.)***	***167***	***587***

Lower Elevation	Address	Direction / Distance	Map ID	Page
WYCKOFF CONSOLIDATED Date Closed: / /	***572 WARREN ST***	***W 1/8 - 1/4 (0.126 mi.)***	***G32***	***121***

Lower Elevation	Address	Direction / Distance	Map ID	Page
572 WARREN STREET HOUSES Date Closed: / /	***572 WARREN ST***	***W 1/8 - 1/4 (0.127 mi.)***	***G34***	***127***
105 3RD AVE Date Closed: 11/12/98	***105 3RD AVENUE***	***NW 1/8 - 1/4 (0.148 mi.)***	***J42***	***143***
ULANO CORP Date Closed: 05/18/99	***280 BERGEN ST***	***NW 1/8 - 1/4 (0.211 mi.)***	***V90***	***331***
267 DOUGLAS STREET Date Closed: 10/02/92	***267 DOUGLAS STREET***	***WSW 1/8 - 1/4 (0.228 mi.)***	***Z102***	***389***
WYCKOFF GARDENS Date Closed: / /	***272 WYCKOFF STREET***	***WNW 1/8 - 1/4 (0.234 mi.)***	***AB106***	***407***
280 DOUGLAS ST Date Closed: 03/10/95	***280 DOUGLAS STREET***	***WSW 1/8 - 1/4 (0.240 mi.)***	***Z116***	***439***
WYCKOFF GARDENS Date Closed: / /	***272 WYCKOFF STREET***	***WNW 1/4 - 1/2 (0.250 mi.)***	***AB121***	***471***
WYCKOFF GARDENS Date Closed: 05/14/99	***185 NEVINS ST***	***WNW 1/4 - 1/2 (0.265 mi.)***	***124***	***485***
MERRITT GAS STATION Date Closed: 06/11/97	***204-222 4TH AV***	***SSW 1/4 - 1/2 (0.288 mi.)***	***AH126***	***491***
4TH & SACKETT STREET Date Closed: 08/03/94	***4TH & SACKETT STREET***	***SSW 1/4 - 1/2 (0.306 mi.)***	***AH128***	***495***
540 PRESIDENT STREET Date Closed: 01/18/93	***540 PRESIDENT STREET***	***SW 1/4 - 1/2 (0.399 mi.)***	***146***	***529***
473 PRESIDENT Date Closed: / /	***473 PRESIDENT ST***	***WSW 1/4 - 1/2 (0.456 mi.)***	***AO160***	***565***
325 NEVINS STREET Date Closed: 05/08/95 Date Closed: 10/09/95	***325 NEVINS STREET***	***WSW 1/4 - 1/2 (0.468 mi.)***	***AO162***	***572***

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 16 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
J & I MAINT CORP	341 BERGEN STREET	N 0 - 1/8 (0.068 mi.)	B18	56
NORTHLAND MARKETING CORP.	***126 FOURTH AVENUE***	***SW 0 - 1/8 (0.092 mi.)***	***F27***	***96***
PACIFIC BRANCH	***25 4TH AVENUE***	***NNE 1/8 - 1/4 (0.155 mi.)***	***L48***	***154***
179 FLATBUSH AVE	179 FLATBUSH AVE	ENE 1/8 - 1/4 (0.197 mi.)	75	241
AY 195 FLATBUSH LLC	***195 FLATBUSH AVE***	***E 1/8 - 1/4 (0.207 mi.)***	***S81***	***270***
ISLAMIC BROTHERHOOD, INC	552 ATLANTIC AVE	N 1/8 - 1/4 (0.223 mi.)	W96	366
622 ATLANTIC AVE	***622 ATLANTIC AVE***	***ENE 1/8 - 1/4 (0.249 mi.)***	***AF120***	***465***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHOCK FULL O'NUTS CORP	***588 BALTIC STREET***	***WSW 0 - 1/8 (0.106 mi.)***	***30***	***116***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
572 WARREN STREET (WYCKOFF GAR	***572 WARREN STREET***	***W 1/8 - 1/4 (0.127 mi.)***	***G33***	***123***
SHELL SERVICE STATION	***98 THIRD AVENUE***	***NW 1/8 - 1/4 (0.159 mi.)***	***M56***	***171***
CARY WOLF	***98 THIRD AVENUE***	***NW 1/8 - 1/4 (0.159 mi.)***	***M57***	***177***
160 3RD AVENUE	***160 3RD AVENUE***	***W 1/8 - 1/4 (0.181 mi.)***	***O65***	***207***
BP SERVICE STATION #25716	***164 FOURTH AVENUE***	***SSW 1/8 - 1/4 (0.190 mi.)***	***P70***	***217***
ZAWRAT 1 CORP.	***169 THIRD AVENUE***	***WSW 1/8 - 1/4 (0.201 mi.)***	***76***	***246***
ULANO CORP	***280 BERGEN ST***	***NW 1/8 - 1/4 (0.211 mi.)***	***V90***	***331***
RYDER TRUCK RENTAL, INC.	***280 DOUGLASS STREET***	***WSW 1/8 - 1/4 (0.238 mi.)***	***AE113***	***425***

MOSF UST: Major Oil Storage Facilities Database. Facilities are licensed pursuant to Article 12 of the Navigation Law, 6 NYCRR Part 610 and 17 NYCRR Part 30. These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater. Includes MOSF's licensed or closed since April 1, 1986, (responsibility was transferred from DOT on October 13, 1985) plus available data obtained from DOT facilities licensed since Article 12 became law on April 1, 1978.

A review of the MOSF UST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 MOSF UST site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BAYSIDE FUEL OIL DEPOT CORP.	510 SACKETT ST.	WSW 1/4 - 1/2 (0.454 mi.)	AN158	563

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 14 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
J & I MAINT CORP	***341 BERGEN ST***	***N 0 - 1/8 (0.068 mi.)***	***B17***	***48***
SARAH J. HALE H.S. (K655)	345 DEAN STREET	NNW 1/8 - 1/4 (0.142 mi.)	I38	138
568 PACIFIC ST	***568 PACIFIC ST***	***NE 1/8 - 1/4 (0.158 mi.)***	***52***	***163***
CHURCH OF THE REDEEMER	561 PACIFIC STREET	N 1/8 - 1/4 (0.171 mi.)	60	196
SARAH J. HALE H.S. ANNEX	***500 PACIFIC STREET***	***NNW 1/8 - 1/4 (0.208 mi.)***	***T82***	***301***
BETHLEHEM LUTHERAN CHURCH	492-494 PACIFIC STREET	NNW 1/8 - 1/4 (0.218 mi.)	T92	359
MJM MANAGEMENT CORPORATION	***196A FLATBUSH AVENUE***	***E 1/8 - 1/4 (0.226 mi.)***	***Y99***	***369***
BHS REALTY	***485 PACIFIC STREET***	***NNW 1/8 - 1/4 (0.248 mi.)***	***119***	***462***

Lower Elevation	Address	Direction / Distance	Map ID	Page
P.S. 133	***375 BUTLER STREET***	***SSW 1/8 - 1/4 (0.139 mi.)***	***H35***	***130***
PUBLIC SCHOOL 133 - BROOKLYN (	375 BUTLER STREET	SSW 1/8 - 1/4 (0.139 mi.)	H36	133
LEE VIC INDUSTRIES INC	***88 3RD AVE***	***NNW 1/8 - 1/4 (0.171 mi.)***	***N61***	***198***
UNIDAD Y PROGRESO HDFC	***280 DEAN ST***	***NW 1/8 - 1/4 (0.228 mi.)***	***AA103***	***391***
280 DEAN STREET	280 DEAN ST	NW 1/8 - 1/4 (0.228 mi.)	AA104	394
DEAN STREET ASSOCIATES LLC	274 DEAN STREET	NW 1/8 - 1/4 (0.240 mi.)	AA114	432

MOSF: These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

A review of the MOSF list, as provided by EDR, and dated 01/04/2011 has revealed that there is 1 MOSF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BAYSIDE FUEL OIL DEPOT CORP.	510 SACKETT ST	WSW 1/4 - 1/2 (0.454 mi.)	AN159	565

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.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
29 FLATBUSH AVENUE	29 FLATBUSH AVENUE	N 1/4 - 1/2 (0.428 mi.)	152	543

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

Registered Recycling Facility List from the Department of Environmental Conservation.

A review of the SWRCY list, as provided by EDR, and dated 01/12/2011 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RINALDI RECYCLING CO.	326 DOUGLASS STREET	SW 1/8 - 1/4 (0.197 mi.)	73	239

Local Lists of Hazardous waste / Contaminated Sites

DEL SHWS: A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

A review of the DEL SHWS list, as provided by EDR, and dated 08/24/2010 has revealed that there is 1 DEL SHWS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CARROLL GARDENS	CORNER OF 5TH STREET &	WSW 1/2 - 1 (0.914 mi.)	170	598

EXECUTIVE SUMMARY

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 14 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
J & I MAINT CORP	***341 BERGEN ST***	***N 0 - 1/8 (0.068 mi.)***	***B17***	***48***
NORTHLAND MARKETING CORP.	***126 FOURTH AVENUE***	***SW 0 - 1/8 (0.092 mi.)***	***F27***	***96***
PACIFIC BRANCH	***25 4TH AVENUE***	***NNE 1/8 - 1/4 (0.155 mi.)***	***L48***	***154***
AY 195 FLATBUSH LLC	***195 FLATBUSH AVE***	***E 1/8 - 1/4 (0.207 mi.)***	***S81***	***270***
622 ATLANTIC AVE	***622 ATLANTIC AVE***	***ENE 1/8 - 1/4 (0.249 mi.)***	***AF120***	***465***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHOCK FULL O'NUTS CORP	***588 BALTIC STREET***	***WSW 0 - 1/8 (0.106 mi.)***	***30***	***116***
572 WARREN STREET (WYCKOFF GAR	***572 WARREN STREET***	***W 1/8 - 1/4 (0.127 mi.)***	***G33***	***123***
SHELL SERVICE STATION	***98 THIRD AVENUE***	***NW 1/8 - 1/4 (0.159 mi.)***	***M56***	***171***
CARY WOLF	***98 THIRD AVENUE***	***NW 1/8 - 1/4 (0.159 mi.)***	***M57***	***177***
160 3RD AVENUE	***160 3RD AVENUE***	***W 1/8 - 1/4 (0.181 mi.)***	***O65***	***207***
BP SERVICE STATION #25716	***164 FOURTH AVENUE***	***SSW 1/8 - 1/4 (0.190 mi.)***	***P70***	***217***
ZAWRAT 1 CORP.	***169 THIRD AVENUE***	***WSW 1/8 - 1/4 (0.201 mi.)***	***76***	***246***
ULANO CORP	***280 BERGEN ST***	***NW 1/8 - 1/4 (0.211 mi.)***	***V90***	***331***
RYDER TRUCK RENTAL, INC.	***280 DOUGLASS STREET***	***WSW 1/8 - 1/4 (0.238 mi.)***	***AE113***	***425***

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 10 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SHELL STATION Date Closed: 11/24/2004 Date Closed: 9/2/1998	***9001 4TH AVE***	***W 0 - 1/8 (0.012 mi.)***	***A1***	***7***
PARKING LOT -MTBE Date Closed: 4/22/2009	***90 4TH AVE***	***W 0 - 1/8 (0.012 mi.)***	***A2***	***15***
KIESER HOME Date Closed: 11/1/2007	609 WARREN STREET	S 0 - 1/8 (0.043 mi.)	8	30
BERGEN ST & 4TH AVE Date Closed: 10/16/1995	***BERGEN ST & 4TH AVE***	***N 0 - 1/8 (0.045 mi.)***	***B9***	***32***
RESIDENCE Date Closed: 2/19/2003	***121 ST MARKS PL***	***ESE 0 - 1/8 (0.058 mi.)***	***D11***	***36***
121 ST MARKS Date Closed: 5/6/2005	***121 ST MARKS PL***	***ESE 0 - 1/8 (0.058 mi.)***	***D12***	***38***
RESIDENCE Date Closed: 1/26/2005	398 BERGEN STREET	ENE 0 - 1/8 (0.090 mi.)	22	72

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FMR GAS STATION/VACNT LOT Date Closed: 9/28/2004	124 4TH AVENUE	SW 0 - 1/8 (0.090 mi.)	F23	74
Not reported Date Closed: 2/17/1999	***56-14 4TH AVENUE***	***NNE 0 - 1/8 (0.094 mi.)***	***E29***	***113***

Lower Elevation	Address	Direction / Distance	Map ID	Page
610 WARREN STREET Date Closed: 9/15/1992	***610 WARREN STREET***	***WSW 0 - 1/8 (0.062 mi.)***	***C15***	***44***

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 are 6 NY Hist Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SHELL STATION	***9001 4TH AVE***	***W 0 - 1/8 (0.012 mi.)***	***A1***	***7***
BERGEN ST & 4TH AVE	***BERGEN ST & 4TH AVE***	***N 0 - 1/8 (0.045 mi.)***	***B9***	***32***
RESIDENCE	***121 ST MARKS PL***	***ESE 0 - 1/8 (0.058 mi.)***	***D11***	***36***
121 ST MARKS	***121 ST MARKS PL***	***ESE 0 - 1/8 (0.058 mi.)***	***D12***	***38***
Not reported	***56-14 4TH AVENUE***	***NNE 0 - 1/8 (0.094 mi.)***	***E29***	***113***

Lower Elevation	Address	Direction / Distance	Map ID	Page
610 WARREN STREET	***610 WARREN STREET***	***WSW 0 - 1/8 (0.062 mi.)***	***C15***	***44***

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 20 RCRA-NonGen sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CRISTALLO DRY CLEANERS	***64 FOURTH AVENUE***	***NNE 0 - 1/8 (0.072 mi.)***	***E20***	***61***
NORTHLAND MARKETING CORP	***126 4TH AVE***	***SW 0 - 1/8 (0.092 mi.)***	***F28***	***112***
SARAH J HALE SCHOOL	***3RD & PACIFIC AVE***	***NNW 1/8 - 1/4 (0.142 mi.)***	***I37***	***135***
NYCTA - PACIFIC STREET STATION	***PACIFIC ST & FOURTH AVE***	***NNE 1/8 - 1/4 (0.177 mi.)***	***L64***	***205***
NYC BD OF ED - SARA JANE HIGH	***3RD AVE & DEAN ST***	***NNW 1/8 - 1/4 (0.182 mi.)***	***N67***	***211***
A & R CLEANERS	***74-15 3RD AVE***	***NNW 1/8 - 1/4 (0.193 mi.)***	***72***	***228***
CON EDISON - MH M14737	***ATLANTIC AVE & FLATBUSH***	***NE 1/8 - 1/4 (0.210 mi.)***	***U85***	***306***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MTA NYCT - A A COMPLEX	ATLANTIC & FLATBUSH AVE	NE 1/8 - 1/4 (0.210 mi.)	U86	309
NYCTA - 165 CENTRAL INSTR RM	***ATLANTIC AVE NEAR FLATB***	***NE 1/8 - 1/4 (0.220 mi.)***	***94***	***362***

Lower Elevation	Address	Direction / Distance	Map ID	Page
FASHION DRY CLEANERS	***118 3RD AVE***	***WNW 1/8 - 1/4 (0.148 mi.)***	***J44***	***146***
CON EDISON	***3RD AVE & WARREN ST***	***WNW 1/8 - 1/4 (0.152 mi.)***	***K45***	***148***
NYCHA - WYCKOFF	***130 3RD AVE***	***W 1/8 - 1/4 (0.154 mi.)***	***K47***	***152***
CON EDISON	***BERGEN AND 3RD AVE***	***NW 1/8 - 1/4 (0.158 mi.)***	***M49***	***158***
CON EDISON	***BERGEN ST & 3RD AVE***	***NW 1/8 - 1/4 (0.158 mi.)***	***M54***	***167***
98 THIRD AVENUE SERVICE STATIO	***98-100 3RD AVE***	***NW 1/8 - 1/4 (0.159 mi.)***	***M55***	***168***
98 THIRD AVENUE	98 3RD AVE	NW 1/8 - 1/4 (0.159 mi.)	M58	183
LEE-VIC INDUSTRIES INC	***88 THIRD AVE***	***NNW 1/8 - 1/4 (0.171 mi.)***	***N62***	***201***
LESLIE & BROTHERS SERVICE STAT	***164 4TH AVE***	***SSW 1/8 - 1/4 (0.190 mi.)***	***P71***	***227***
ELECTRIC SWITCHBOARD INC	***185 THIRD AVENUE***	***WSW 1/8 - 1/4 (0.230 mi.)***	***Z105***	***396***
RYDER TRUCK RENTAL INC	***280 DOUGLAS ST***	***WSW 1/8 - 1/4 (0.238 mi.)***	***AE112***	***414***

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 38 MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CRISTALLO DRY CLEANERS	***64 FOURTH AVENUE***	***NNE 0 - 1/8 (0.072 mi.)***	***E20***	***61***
PUBLIC SCHOOL 133	610 BALTIC ST	SSW 0 - 1/8 (0.091 mi.)	F25	82
SARAH J HALE SCHOOL	***3RD & PACIFIC AVE***	***NNW 1/8 - 1/4 (0.142 mi.)***	***I37***	***135***
NYCTA - PACIFIC STREET STATION	***PACIFIC ST & FOURTH AVE***	***NNE 1/8 - 1/4 (0.177 mi.)***	***L64***	***205***
NYNEX	3RD AVE & DEAN ST	NNW 1/8 - 1/4 (0.181 mi.)	N66	210
CONSOLIDATED EDISON	S/S DEAN ST. 83‘ W/O 3	NNW 1/8 - 1/4 (0.182 mi.)	N68	213
A & R CLEANERS	***74-15 3RD AVE***	***NNW 1/8 - 1/4 (0.193 mi.)***	***72***	***228***
CONSOLIDATED EDISON	FLATBUSH AVE & PACIFIC	ENE 1/8 - 1/4 (0.197 mi.)	Q74	239
ECONOMY CLEANERS	***123 5TH AVE***	***SSE 1/8 - 1/4 (0.205 mi.)***	***R79***	***254***
195 FLATBUSH AVENUE	***195 FLATBUSH AVENUE***	***E 1/8 - 1/4 (0.207 mi.)***	***S80***	***266***
NYNEX	ATLANTIC AVE & FLATBUSH	NE 1/8 - 1/4 (0.210 mi.)	U83	305
NYNEX	FLATBUSH AVE & ATLANTIC	NE 1/8 - 1/4 (0.210 mi.)	U84	306
CON EDISON - MH M14737	***ATLANTIC AVE & FLATBUSH***	***NE 1/8 - 1/4 (0.210 mi.)***	***U85***	***306***
NYCTA - A A BULK STORAGE	***SE COR FLATBUSH & ATLAN***	***NE 1/8 - 1/4 (0.210 mi.)***	***U87***	***310***
MTA LIRR - FLATBUSH TERMINAL	***ATLANTIC & FLATBUSH AVE***	***NE 1/8 - 1/4 (0.210 mi.)***	***U88***	***324***
CONSOLIDATED EDISON	PACIFIC ST & 5TH AVE -	ENE 1/8 - 1/4 (0.211 mi.)	Q91	357
NYCTA - 165 CENTRAL INSTR RM	***ATLANTIC AVE NEAR FLATB***	***NE 1/8 - 1/4 (0.220 mi.)***	***94***	***362***
TARGET #1849	***139 FLATBUSH AVE***	***NNE 1/8 - 1/4 (0.228 mi.)***	***100***	***373***
CONSOLIDATED EDISON	543 ATLANTIC AVE	N 1/8 - 1/4 (0.228 mi.)	W101	387
CONSOLIDATED EDISON	537 ATLANTIC AVE & 300	N 1/8 - 1/4 (0.234 mi.)	AC108	411
CON ED-MH2599	537 ATLANTIC AVE OPP	N 1/8 - 1/4 (0.234 mi.)	AC109	412
CONSTRUCTION SITE	***620 ATLANTIC AVE***	***ENE 1/8 - 1/4 (0.243 mi.)***	***AF117***	***444***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYCDEP	4TH AVE & 2ND ST	SSW 1/8 - 1/4 (0.147 mi.)	H40	141
NYNEX	3RD AVE & WYCKOFF ST	WNW 1/8 - 1/4 (0.147 mi.)	J41	143
CON EDISON	***3RD AVE & WARREN ST***	***WNW 1/8 - 1/4 (0.152 mi.)***	***K45***	***148***
CONSOLIDATED EDISON	3RD AVE & WARREN ST	WNW 1/8 - 1/4 (0.153 mi.)	K46	150
NYCHA - WYCKOFF	***130 3RD AVE***	***W 1/8 - 1/4 (0.154 mi.)***	***K47***	***152***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON	***BERGEN AND 3RD AVE***	***NW 1/8 - 1/4 (0.158 mi.)***	***M49***	***158***
CONSOLIDATED EDISON	BERGEN ST & 3RD AVE MH6	NW 1/8 - 1/4 (0.158 mi.)	M50	160
CONSOLIDATED EDISON	BERGEN ST & 3RD AVE EXC	NW 1/8 - 1/4 (0.158 mi.)	M51	162
NYNEX	3RD AVE & BERGEN ST	NW 1/8 - 1/4 (0.158 mi.)	M53	166
CON EDISON	***BERGEN ST & 3RD AVE***	***NW 1/8 - 1/4 (0.158 mi.)***	***M54***	***167***
BELT CLEANERS	***92-17 3RD AVE***	***NW 1/8 - 1/4 (0.164 mi.)***	***M59***	***185***
LEE-VIC INDUSTRIES INC	***88 THIRD AVE***	***NNW 1/8 - 1/4 (0.171 mi.)***	***N62***	***201***
ULANO CORP	***280 BERGEN ST***	***NW 1/8 - 1/4 (0.211 mi.)***	***V90***	***331***
NYCDEP	524 BALTIC ST	W 1/8 - 1/4 (0.226 mi.)	X97	368
ELECTRIC SWITCHBOARD INC	***185 THIRD AVENUE***	***WSW 1/8 - 1/4 (0.230 mi.)***	***Z105***	***396***
RYDER TRUCK RENTAL INC	***280 DOUGLAS ST***	***WSW 1/8 - 1/4 (0.238 mi.)***	***AE112***	***414***

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 are 3 DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CRISTALLO DRY CLEANERS	64 FOURTH AVE.	NNE 0 - 1/8 (0.072 mi.)	E21	72
ECONOMY CLEANERS	123 5TH AVE.	SSE 1/8 - 1/4 (0.205 mi.)	R78	254

Lower Elevation	Address	Direction / Distance	Map ID	Page
FASHION CLEANERS	118 THIRD AVENUE	WNW 1/8 - 1/4 (0.148 mi.)	J43	146

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 10 E DESIGNATION sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 35,TAXBLOCK 395	90 4 AVENUE	W 0 - 1/8 (0.012 mi.)	A3	20
LOT 6,TAXBLOCK 934	87 4 AVENUE	SW 0 - 1/8 (0.014 mi.)	A4	22
LOT 37,TAXBLOCK 395	94 4 AVENUE	WSW 0 - 1/8 (0.020 mi.)	A6	25
LOT 47,TAXBLOCK 198	343 BERGEN STREET	N 0 - 1/8 (0.066 mi.)	B16	47
LOT 26,TAXBLOCK 407	126 4 AVENUE	SW 0 - 1/8 (0.092 mi.)	F26	95

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOT 2,TAXBLOCK 643	4 AVENUE	W 0 - 1/8 (0.030 mi.)	A7	27
LOT 44,TAXBLOCK 395	587 WARREN STREET	WSW 0 - 1/8 (0.055 mi.)	C10	34
LOT 45,TAXBLOCK 395	585 WARREN STREET	WSW 0 - 1/8 (0.058 mi.)	C13	41
LOT 46,TAXBLOCK 395	583 WARREN STREET	WSW 0 - 1/8 (0.061 mi.)	C14	43
LOT 48,TAXBLOCK 198	311 BERGEN STREET	NNW 0 - 1/8 (0.121 mi.)	31	119

EXECUTIVE SUMMARY

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the Manufactured Gas Plants list, as provided by EDR, has revealed that there are 3 Manufactured Gas Plants sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FULTON WORKS	DEGRAW STREET AND NEVIN	WSW 1/4 - 1/2 (0.340 mi.)	138	515
FULTON MUNICIPAL WORKS	NEVINS, DEGRAW AND SACK	WSW 1/4 - 1/2 (0.363 mi.)	141	518
FORMER CITIZEN GAS WORKS MGP S	5TH STREET AND SMITH ST	WSW 1/2 - 1 (0.918 mi.)	171	601

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 266 records.

Site Name	Database(s)
BELL ATLANTIC-NY	MANIFEST
CONSOLIDATED EDISON MH66092	MANIFEST
NYCDEP	MANIFEST
NYC TRANSIT CPM ENVIRO ENG DIV	MANIFEST
NYCDEP	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLDIATED EDISON	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
NYCTA	RCRA-SQG, FINDS, MANIFEST, MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
NYNEX	MANIFEST
NYNEX	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CON ED - MH 64541	RCRA-NonGen, MANIFEST
CON EDISON - MH MH6127	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON MH61224	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CON EDISON	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
BELL ATLANTIC-NY	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
BELL ATLANTIC-NY	MANIFEST
NYCTA	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON MH41819	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
BELL ATLANTIC-NY	MANIFEST
NYCDEP	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST

CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
NYNEX	MANIFEST
CONSOLIDATED EDISON	MANIFEST
NYCDEP	RCRA-NonGen, MANIFEST, MANIFEST
BELL ATLANTIC-NY	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
BELL ATLANTIC-NY	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
CON ED - MH 2945	RCRA-NonGen, MANIFEST
CON ED - MH 2947	RCRA-NonGen, MANIFEST
CON ED - MH2945	MANIFEST
CONSOLIDATED EDISON MH65892	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONDSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	MANIFEST
BELL ATLANTIC-NY	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
NYNEX	MANIFEST
CONSOLIDATED EDISON	MANIFEST
BELL ATLANTIC-NY	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
CONSOLIDAATED EDISON	RCRA-NonGen, MANIFEST
NYNEX	MANIFEST
BELL ATLANTIC-NY	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLDIATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
BELL ATLANTIC-NY	FINDS, MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
BELL ATLANTIC-NY	MANIFEST
CONSOLIDATED EDISON MH1794	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
BELL ATLANTIC-NY	MANIFEST
NYNEX	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST

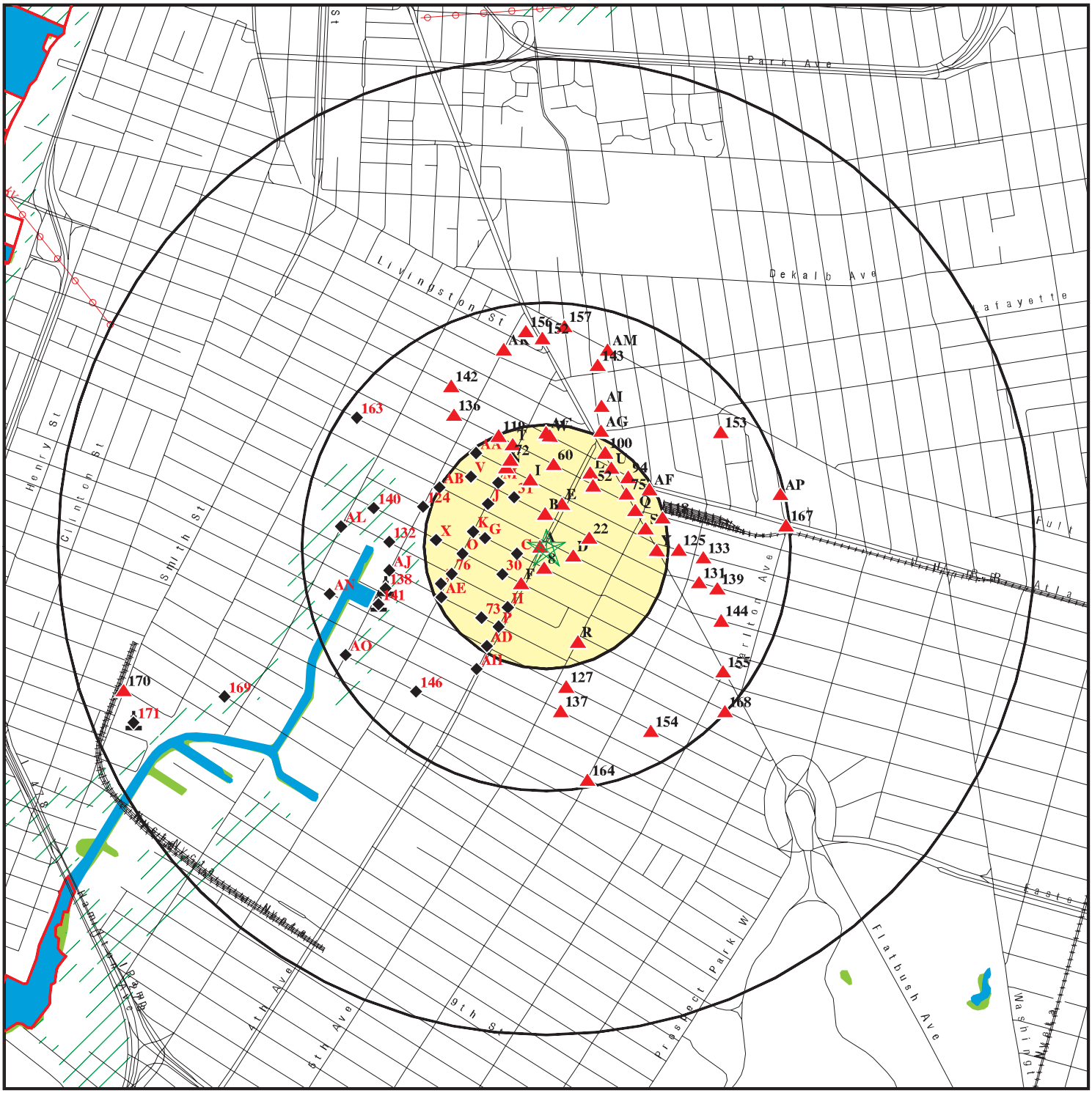
NYC BOARD OF EDUCATION PS 369 BKLY	RCRA-NonGen, FINDS, MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CON EDISON CO OF NYC,INC.	MANIFEST
CON EDISON CO OF NYC,INC.	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
NYCTA	RCRA-NonGen, FINDS, MANIFEST
CONSOLIDATED EDISON	MANIFEST
CON ED	RCRA-NonGen, MANIFEST
GOWANUS CANAL SITE	SHWS
K - FULTON WORKS	SHWS
K - SCHOLES ST. STATION	SHWS
J. WISE EXCAVATING	SWF/LF
CITYWIDE CESSPOOL COMPANY	SWF/LF, NY Spills, NY Hist Spills
TRICON ENTERPRISES INC. PIER 12	SWF/LF
WATERFRONT DISPOSAL CORPORATION	SWF/LF
SMITH STREET	SWF/LF, NY Spills, NY Hist Spills
MANHOLE #59501	LTANKS, NY Spills, NY Hist Spills
SINSI RESIDENCE	LTANKS, HIST LTANKS
REV BROWN	LTANKS, HIST LTANKS
1400 DEAN STREET	AST
NYSDOT BIN 2067889	RCRA-LQG
MARCELINO ALMONTE M & A REPAIRS	RCRA-NonGen, FINDS
CON EDISON	RCRA-NonGen
NYCDEP - SHAFT 16A	RCRA-NonGen, FINDS
NYCT-PROSPECT AVE STATION N&R LINE	RCRA-NonGen, FINDS
CON EDISON	RCRA-CESQG
GATE WAY MARINA	ERNS
GATEWAY PARK NEAR MARINE PARK WAY	ERNS
GREENPOINT LUMBER YARD/PIER 7 1/2.	ERNS
STATION IS NEXT DOOR TO KAMCO LUMB	ERNS
N3 AND N4TH STREET	NY Spills, NY Hist Spills
SERVICE BOX # 18269	NY Spills
109TH ST PIER	NY Spills, NY Hist Spills
ASH ST & MCGINNIS AV	NY Spills, NY Hist Spills
11TH ST CONDUIT	NY Spills, NY Hist Spills
IN ROAD WAY	NY Spills
PRIVATE RESIDENCE	NY Spills
VAULT 3406	NY Spills
MANHOLE # 5612	NY Spills
STREET	NY Spills
267 6TH ST BETWEEN 4TH AND 5TH	NY Spills
28 4TH ST BETWEEN SMITH AND HOYT	NY Spills
TS 6002	NY Spills, NY Hist Spills
E 29TH ST & KINGS HWY	NY Spills, NY Hist Spills
415 7TH ST/ST JOHN'S	NY Spills, NY Hist Spills
RESIDENCE	NY Spills
4TH ST CROSSING	NY Spills, NY Hist Spills
4TH ST & HUGHES ST	NY Spills, NY Hist Spills
4TH & ATLANTIC AVES	NY Spills
MANHOLE 2773	NY Spills
MTA BUS 5285	NY Spills
MANHOLE #5612	NY Spills
SUNSET PARK HIGHSCHOOL	NY Spills
ROADWAY	NY Spills

EXECUTIVE SUMMARY

4TH ST AREA	NY Spills, NY Hist Spills
BAY RIDGE CANAL - 57TH ST	NY Spills, NY Hist Spills
MANHOLE 2668	NY Spills
VAULT 3345	NY Spills
GOWANAS EXPRESSWAY	NY Spills
BQE	NY Spills, NY Hist Spills
TRANSFORMER	NY Spills
69TH ST - AVE.W	NY Spills, NY Hist Spills
ROAD WAY	NY Spills
MANHOLE 575	NY Spills, NY Hist Spills
MANHOLE 4585	NY Spills
MANHOLE #68874	NY Spills
MANHOLE #66873	NY Spills
MANHOLE 6486	NY Spills
3 QT ANTI-FREEZE FROM COMPRESSOR	NY Spills
BETW/AVE X &	NY Spills
MANHOLE TM2330	NY Spills
GLENMORE PLASTICS	NY Spills, NY Hist Spills
MANHOLE#67572	NY Spills
PUBLIC SCHOOL #55	NY Spills
VAULT #TM2968	NY Spills
4TH AVE	NY Spills, NY Hist Spills
VAULT #2613	NY Spills
MANHOLE 2591	NY Spills, NY Hist Spills
MANHOLE #4049	NY Spills
MANHOLE #1335	NY Spills, NY Hist Spills
DEAN ST & 4TH AVE	NY Spills, NY Hist Spills
MANHOLE 2590	NY Spills
MANHOLE #- 19415	NY Spills
MANHOLE 66991	NY Spills
MANHOLE 36059	NY Spills, NY Hist Spills
N FIRST ST TERMINAL	NY Spills, NY Hist Spills
ROAD WAY	NY Spills, NY Hist Spills
MANHOLE #65388	NY Spills
CON ED MANHOLE	NY Spills
MANHOLE #04668	NY Spills
MANHOLE 55754	NY Spills, NY Hist Spills
VAULT 4513	NY Spills
EXCAVATION - PIPELINE 7	NY Spills
BOX 38486	NY Spills, NY Hist Spills
KINGS HIGHWAY MOBIL	NY Spills
MANHOLE 2023	NY Spills, NY Hist Spills
MANHOLE #62099	NY Spills
MOFFAT SAINT NEAR IRVING AVE	NY Spills, NY Hist Spills
MOFFAT SAINT NEAR IRVING AVE	NY Spills, NY Hist Spills
MOFFAT SAINT NEAR IRVING AVE	NY Spills, NY Hist Spills
MANHOLE 1960	NY Spills, NY Hist Spills
M58370	NY Spills
MANHOLE 56172	NY Spills
MANHOLE 60385	NY Spills, NY Hist Spills
NEVIS ST PUMP STA	NY Spills, NY Hist Spills
NYCT	NY Spills
BEHIND WHITMAN DR	NY Spills, NY Hist Spills
MANHOLE 327	NY Spills, NY Hist Spills
N/R LINE	NY Spills
PATTICUT BASIN-BERGEN AVE	NY Spills, NY Hist Spills
MANHOLE 69999	NY Spills, NY Hist Spills
VAULT# TM0253	NY Spills
VS #7557	NY Spills
KENNEDY SOUTHERN PARK PL	NY Spills, NY Hist Spills
VS 326	NY Spills, NY Hist Spills
ST JAMES BET GATES/FULTON	NY Spills, NY Hist Spills

780 ST MARKS	NY Spills
MANHOLE # 5100	NY Spills
APARTMENT - MISC	NY Spills
MANHOLE 4535	NY Spills
MANHOLE # 4723	NY Spills
POLE # 70290	NY Spills
MANHOLE #5101	NY Spills
VAULT # 4016	NY Spills
MANHOLE 4581	NY Spills
FARRAGUT SUBSTATION	NY Spills
DRUM RUN	NY Spills
ONE PINT OIL IN MANHOLE 63173	NY Spills
EAST 22 ST/CLINTON ROAD	NY Spills, NY Hist Spills
2992 ST JOHNS PLACE	NY Spills, NY Hist Spills
SIX QTS OIL IN MANHOLE #4723	NY Spills
MANHOLE #6016	NY Spills, NY Hist Spills
SMITH ST BET GARNET & 9TH	NY Spills, NY Hist Spills
205	NY Spills
UNION STREET SUBWAY	NY Spills
MANHOLE 53	NY Spills
YORK ST NEAR BRIDGE ST	NY Spills
TM 2470	NY Spills, NY Hist Spills
209885; DEAN ST; M2734	NY Spills
205842; KINGS HWY	NY Spills
207007; M6292 W/S E.4TH ST 26’ S/O	NY Spills

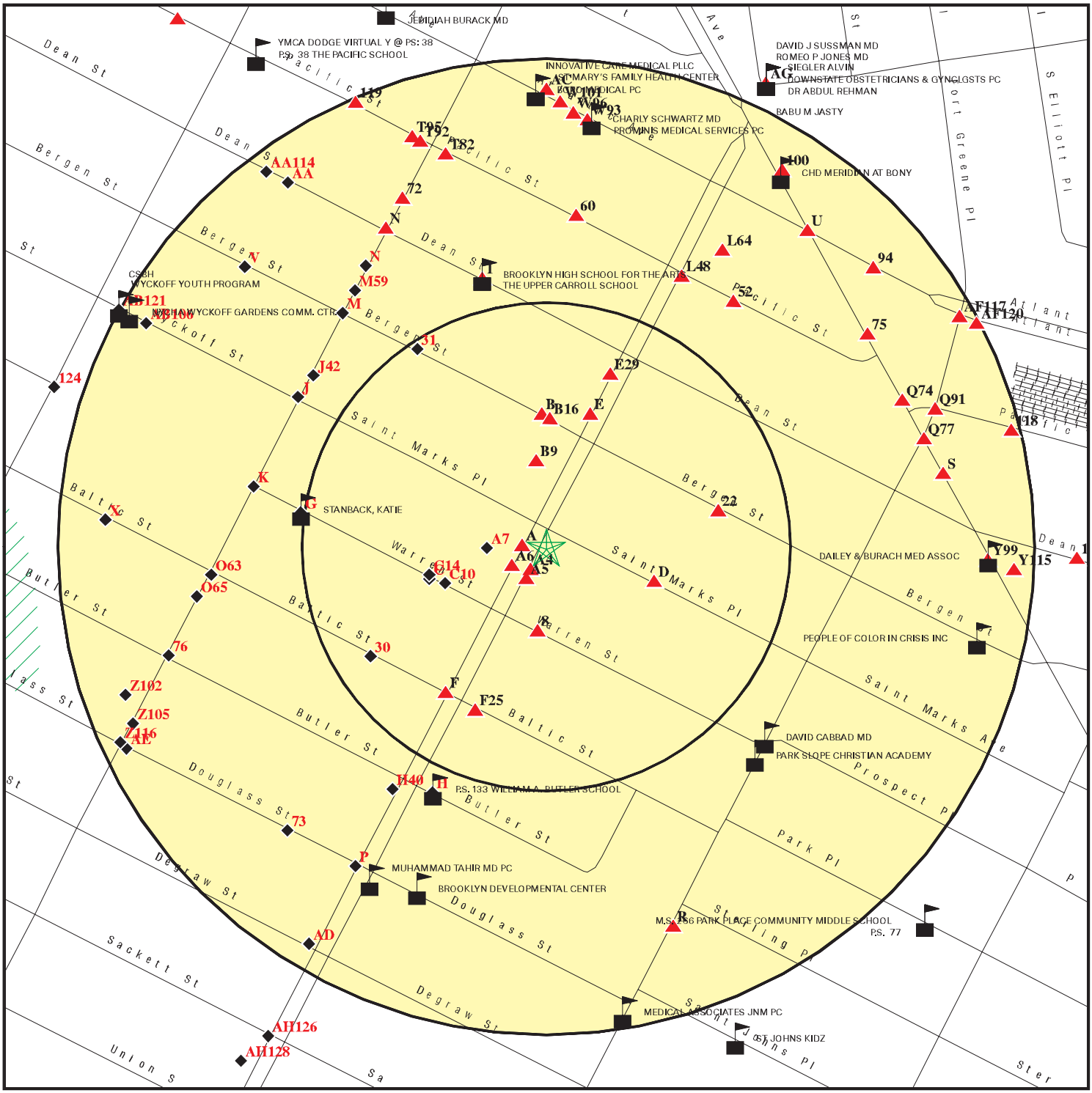
OVERVIEW MAP - 3016940.2s



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:	Modern Way Lumber	CLIENT:	Env. Business Consultants
ADDRESS:	81 4th Avenue Brooklyn NY 11217	CONTACT:	Charles Sosik
LAT/LONG:	40.6817 / 73.9800	INQUIRY #:	3016940.2s
		DATE:	March 17, 2011 3:12 pm

DETAIL MAP - 3016940.2s



- 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

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

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:	Modern Way Lumber	CLIENT:	Env. Business Consultants
ADDRESS:	81 4th Avenue Brooklyn NY 11217	CONTACT:	Charles Sosik
LAT/LONG:	40.6817 / 73.9800	INQUIRY #:	3016940.2s
		DATE:	March 17, 2011 3:13 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
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL		1.000	0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS		0.500	0	0	0	NR	NR	0
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS		1.000	0	0	0	1	NR	1
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	1	NR	NR	NR	1
RCRA-CESQG		0.250	0	8	NR	NR	NR	8
Federal institutional controls / engineering controls registries								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
Federal ERNS list								
ERNS		TP	NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS		1.000	0	0	0	0	NR	0
VAPOR REOPENED		1.000	0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF		0.500	0	2	3	NR	NR	5
State and tribal leaking storage tank lists								
LTANKS		0.500	3	14	40	NR	NR	57
HIST LTANKS		0.500	5	11	23	NR	NR	39
INDIAN LUST		0.500	0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST		0.250	3	13	NR	NR	NR	16

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	1	NR	NR	1
AST		0.250	1	13	NR	NR	NR	14
CBS AST		0.250	0	0	NR	NR	NR	0
MOSF AST		0.500	0	0	0	NR	NR	0
CBS		0.250	0	0	NR	NR	NR	0
MOSF		0.500	0	0	1	NR	NR	1
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA UST		0.250	0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS		0.500	0	0	0	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
RES DECL		0.125	0	NR	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
State and tribal Brownfields sites								
ERP		0.500	0	0	0	NR	NR	0
BROWNFIELDS		0.500	0	0	1	NR	NR	1
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	1	0	NR	NR	1
SWTIRE		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		TP	NR	NR	NR	NR	NR	0
DEL SHWS		1.000	0	0	0	1	NR	1
US HIST CDL		TP	NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
HIST UST		0.250	3	11	NR	NR	NR	14
HIST AST		TP	NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0

APPENDIX F

OWNER PROVIDED INFORMATION

Kevin Brussee

From: Hollingsworth, Jeb [Jeb.Hollingsworth@marcusmillichap.com]
Sent: Tuesday, April 05, 2011 6:56 AM
To: Kevin Brussee
Subject: Fwd: Phase I Environmental Site Assessment Report - Interview for current property owner

---
Jeb Hollingsworth
Marcus & Millichap
203.515.2658

Begin forwarded message:

> **From:** "Fotis, Matthew" <Matthew.Fotis@marcusmillichap.com>
> **Date:** April 4, 2011 9:22:19 PM EDT
> **To:** "Hollingsworth, Jeb" <Jeb.Hollingsworth@marcusmillichap.com>
> **Subject: Fw: Phase I Environmental Site Assessment Report - Interview for current property owner**
>
> Answers are typed following each question below. Please forward to phase 1 guy
> ---
> Matt Fotis
> Marcus & Millichap
> 718.475.4367 p
> 646.365.0611 f
> ---
> Sent by BlackBerry Wireless
>
> ---
>
> **From**: Mary Jane D'Amato [mailto:mjd135@verizon.net]
> **Sent**: Monday, April 04, 2011 06:11 PM
> **To**: Fotis, Matthew
> **Subject**: Re: Phase I Environmental Site Assessment Report - Interview for current property owner
>
> On 4/3/2011 8:17 PM, Fotis, Matthew wrote:
>
> > Here are the questions for the phase 1:
> >
> > Phase I Environmental Site Assessment Report. As part of this report (being prepared by Environmental Business Consultants – EBC), an interview is required with the current site occupants/tenant. The following questions have been prepared for the site following review of records available to EBC at the time, and a site inspection performed in March of 2011. If you do not know the answer to a question, you can not provide an answer, or the question does not relate to the site, you may state that. Any question that can be answered can be responded to by replying to the email and typing the answer beneath the question.
> >
> > 1) What is the exact name of the company/person(s) that currently owns the property? How long/since what date, has the current owner owned the property? If different for each of the lots, please provide a description of each. St Marks 4th Avenue Realty - family owned business for approx 50 years

2) What tenant(s) currently occupies the site, and what type of operations are conducted at the site? If residential, please indicate the number of residential units per floor and the number of floors for each building.

79 4th Avenue - laundramat
78 St. Marks Place 1st floor 1 apt; 2nd floor 2 apts., 3 floor 2 apts and 4th floor 2 apts
81 4th Avenue - Guitar School
87 - ground floor empty
lst and 2nd floor - 2 duplex apts

89 garage
2nd floor - architect firm
3rd floor 1 apt
4th floor 1 apt

3) What other tenant(s) have utilized the site under your ownership? Please list all known site occupants… such as Modern Way Lumber Company, Express Tire Shop, etc.

79 - same type of tenant
78 - same
81 - 4th Avenue - Delcor Co. (construction management firm)
85 - Modern Way Lumber
87 - ground - tire shop
1st and 2nd floors same

89 garage
2nd floor - lawyer's office
3rd and 4th floors - same

4) What was the name of the company/person(s) that owned the property prior to the current owner and what type of operations were conducted at the site by the previous owner? owned property for approximately 50 years
5) Have any other environmental investigations (soil, gw, air sampling, or Phase I's) been performed at the site? If yes, are the reports available for review? Also include any drinking water sampling, asbestos sampling/investigation, etc. none
6) Are or were there any other underground storage tanks at the site? Please describe any tanks that are still in use, in place but no longer used, removed or abandoned in place. Are any reports/permits/documents/drawings for any tanks available for review? no undeground storage tanks
7) Are there or were there any aboveground storage tanks located on site (waste oil, fuel oil, ethylene glycol, motor oil, hydraulic oil, etc.)? 1 aboveground tank in 89 and one in 87
8) Have any spills of oil, automotive fluids, cleaners, etc. occurred at the site during your ownership, and/or are you aware of any spills prior to your ownership? no
9) Do you have a copy of a site survey and/or site diagram/plan that you can forward to EBC via fax or email? no

10) Do you have a copy of a site diagram/plan that you can forward to EBC via fax or email? no

11) How is each building heated? Examples: Forced air, gas fired furnace located on first floor of 85 4th Avenue supplies heat to office space on second floor.

89- central gas
87 - 2 individual gas
85 and 81 - gas forced air
79 no heat
78 central gas

If you have any questions or concerns, please feel free to call me at the office (631) 504-6000 or my cell phone (631) 338-1749

Thanks,

Kevin Brussee
Project Manager

Environmental Business Consultants
1808 Middle Country Road
Ridge, New York 11961
Phone: 631.504.6000
Fax: 631.924.2870

Matt Fotis

Senior Associate
Director, National Multi Housing Group

Marcus & Millichap
16 Court Street
Floor 2A
Brooklyn, NY 11241

(718) 475-4367 direct
(646) 365-0611 fax
mfotis@marcusmillichap.com

Marcus & Millichap
Real Estate Investment Services

Investment Sales • Financing • Research • Advisory Services

APPENDIX B
SOIL BORING LOGS

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B6 Boring Log

Location: Performed in the basement of Lot 10; northwestern portion of Lot 10.			Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: HCO1101	Address: 79-89 4th Avenue, Brooklyn		Date / DTW	Ground Elevation
			Groundwater depth	
Drilling Company: Environmental Business Consultants	Method: AMS Sampler		feet	Well Specifications
Date Started: 2/28/2013	Date Completed: 2/19/2013			None
Completion Depth: 2 feet	Geologist Kevin Waters			

B6 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	16		0	7" - Concrete/gravel 9" - Brown medium/coarse grained silty sand **Retained Soil Sample B6(0-2)*
	5 to 10				

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B7 Boring Log

Location: Performed on the northwest corner of Lot 7.			Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: HCO1101	Address: 79-89 4th Avenue, Brooklyn		Date / DTW	Ground Elevation
			Groundwater depth	
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe		10.5 feet	Well Specifications
Date Started: 2/19/2013	Date Completed: 2/19/2013			None
Completion Depth: 11feet	Geologist Kristen DiScenza			

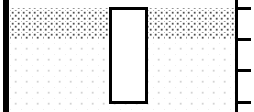
B7 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	18		0	7" - Concrete/gravel 6" - Concrete and brick in a medium grained sandy matrix 5" - Brown medium/coarse grained silty sand **Retained Soil Sample B7(0-2)*
	to 10	18		0	15" - Brown medium/coarse grained silty sand 3" - Brown fine/medium grained sandy clay
	to 11	12		0	12" - Brown fine/medium grained sandy clay **Retained Soil Sample B7(9-11)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B8 Boring Log

Location: Performed in the basement of Lot 6; northwestern portion of Lot 6.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: HCO1101	Address: 79-89 4th Avenue, Brooklyn	Date / DTW	Ground Elevation
		Groundwater depth	
Drilling Company: Environmental Business Consultants	Method: AMS Sampler	feet	Well Specifications
Date Started: 2/28/2013	Date Completed: 2/19/2013		None
Completion Depth: 2 feet	Geologist Kevin Waters		

B8 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	18		0	7" - Concrete/gravel 11" - Brown medium/coarse grained silty sand **Retained Soil Sample B8(0-2)*
	5 to 10				

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B9 Boring Log

Location: Performed on the eastern portion of Lot 7.			Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: HCO1101	Address: 79-89 4th Avenue, Brooklyn		Date / DTW	Ground Elevation
			Groundwater depth	
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe		10.5 feet	Well Specifications
Date Started: 2/19/2013	Date Completed: 2/19/2013			None
Completion Depth: 11feet	Geologist Kristen DiScenza			

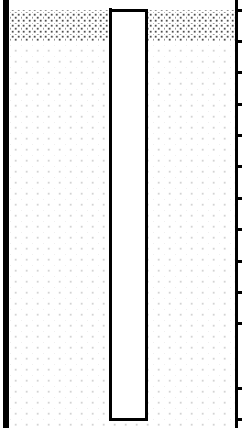
B9 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	18		0	8" - Concrete/gravel 6" - Brown fine/medium grained sands, trace silts 4" - Brown fine/medium grained sandy clay. **Retained Soil Sample B9(0-2)*
	to 10	18		0	18" - Brown fine/medium grained sandy clay Slight Plasticity.
	to 11	12		0	12" - Brown fine/medium grained sandy clay. Slight Plasticity. Damp. **Retained Soil Sample B9(9-11)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B10 Boring Log

Location: Performed on the northern portion of Lot 12.			Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: HCO1101	Address: 79-89 4th Avenue, Brooklyn		Date / DTW	Ground Elevation
			Groundwater depth	
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe		10.5 feet	Well Specifications
Date Started: 2/19/2013	Date Completed: 2/19/2013			None
Completion Depth: 11feet	Geologist Kristen DiScenza			

B10 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	27		0	17" - Concrete 10" - Brown coarse grained sands and silts with gravel **Retained Soil Sample B10(2-4)*
	5 to 10	11		0	11" - Brown fine/medium grained sandy clay. Damp.
	10 to 11	12		0	12" - Brown fine/medium grained sandy clay. Slight Plasticity. Damp. **Retained Soil Sample B10(9-11)*

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B11 Boring Log

Location: Performed on the southern portion of Lot 12.			Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: HCO1101	Address: 79-89 4th Avenue, Brooklyn		Date / DTW	Ground Elevation
			Groundwater depth	
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe		10.5 feet	Well Specifications
Date Started: 2/19/2013	Date Completed: 2/19/2013			None
Completion Depth: 11feet	Geologist Kristen DiScenza			

B11 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	18		0	5" - Concrete 13" - Brown fine/medium grained silty sands **Retained Soil Sample B11(0-2)*
	5 to 10	21		0	5" - Brown fine/medium grained silty sands 16" - Brown fine/medium grained sandy clay
	10 to 11	12		0	12" - Brown fine/medium grained sandy clay. Slight Plasticity. Damp. **Retained Soil Sample B11(9-11)*

Geologic Boring Log Details

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

B12 Boring Log

Location: Performed in the basement of Lot 5; center of Lot 5.				Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: HCO1101	Address: 79-89 4th Avenue, Brooklyn		Date	DTW	Ground Elevation
			Groundwater depth		
Drilling Company: Environmental Business Consultants	Method: AMS Sampler		feet		Well Specifications
Date Started: 2/28/2013	Date Completed: 2/19/2013				None
Completion Depth: 2 feet	Geologist Kevin Waters				

B12 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	20		0	7" - Concrete/gravel 13" - Brown medium/coarse grained silty sand **Retained Soil Sample B12(0-2)*
	to 10				

APPENDIX C
GROUNDWATER SAMPLING LOGS

GROUNDWATER PURGE / SAMPLE LOGS

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW1

Date: 3/3/2013

Well Depth (from TOC): 20

Equipment: peristaltic pump

Static Water Level (from TOC): 10.17

Height of Water in Well: 9.83

Gallons of Water per Well Volume: 0.3932

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	Comments
0.00	400ml/min	0					turbid
5.00	400ml/min	0.55					turbid
10.00	400ml/min	1.1					clear

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW2 Date: 3/3/2013

Well Depth (from TOC): 17 Equipment: peristaltic pump

Static Water Level (from TOC): 10.83

Height of Water in Well: 6.17

Gallons of Water per Well Volume: 0.2468

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	Comments
0.00	400ml/min	0					turbid
5.00	400ml/min	0.55					turbid
7.00	400ml/min	0.77					clear

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW3

Date: 3/3/2013

Well Depth (from TOC): 17

Equipment: peristaltic pump

Static Water Level (from TOC): 9.94

Height of Water in Well: 7.06

Gallons of Water per Well Volume: 0.2824

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	Comments
0.00	400ml/min	0					turbid
5.00	400ml/min	0.55					turbid
8.00	400ml/min	0.88					clear

Note 400 ml = 0.11 gallons

APPENDIX D
SOIL GAS SAMPLING LOGS

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD AIR ANALYSES

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-1102

Data Delivery:
☐ Fax #: _____
☑ Email: CSOSIK@EBCINCNY.com

Report to:	EBC	Invoice to:	EBC	Project Name:	85 4th Ave
Address:	1808 Middle Country Road, Ridge, NY	Address:	same	Location:	"
Project Mgr:	Kevin Brussee	P.O. #		State:	NY
Phone #	631 504 600	Quote #		Sampled by:	KW

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15	Is Canister Returned Unused? Y/N
		LAB USE ONLY											MATRIX			ANALYSES		
42108	S91	474	6	-4		5656		915	415	3-3	-28	-5				X		
42109	S92	483	6	-5		5650		946	1138	"	-28	-7				X		
~~42110~~	S93	13642	6			—		1000	—	"	-29	-29 * no work				X		
42110	S94	0217	6	-3		5859		927	436	"	-28	4				X		
42111	S95	13633	6	0		2864		938	1144	V	-24	0				X		
																		Y
		12869																

Relinquished by:	Accepted by:	Date:	Time:
		3-4-13	1035
		3-4-13	1502

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

* S93 - did not work - no flow change on Regulator

Criteria Requested: Deliverable:
RCP ☐
MCP ☐
State where samples collected: NY

Data Format:
Excel ☑ Equis ☐
PDF ☑ Other: ☐
GISKey ☐

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: _____ Date:

APPENDIX E
LABORATORY REPORTS IN DIGITAL FORMAT

PHOENIX
Environmental Laboratories, Inc.

Wednesday, February 27, 2013

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

Project ID: 79-89 4TH AVE BROOKLYN NY
Sample ID#s: BD38697 - BD38705

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

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

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

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

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

Sincerely yours,

Phyllis Shiller

Laboratory Director

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

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 27, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		02/19/13	0:00
Location Code:	EBC	Received by:	SW	02/21/13	17:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD38697
Phoenix ID: BD38697

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B7-0-2 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	02/22/13	EK	SW6010
Aluminum	8360	53	mg/Kg	02/22/13	EK	SW6010
Arsenic	6.0	0.7	mg/Kg	02/22/13	EK	SW6010
Barium	195	0.36	mg/Kg	02/22/13	EK	SW6010
Beryllium	0.49	0.28	mg/Kg	02/22/13	EK	SW6010
Calcium	10700	53	mg/Kg	02/22/13	EK	SW6010
Cadmium	< 0.36	0.36	mg/Kg	02/22/13	EK	SW6010
Cobalt	6.52	0.36	mg/Kg	02/22/13	EK	SW6010
Chromium	15.9	0.36	mg/Kg	02/22/13	EK	SW6010
Copper	28.0	0.36	mg/kg	02/22/13	EK	SW6010
Iron	14800	53	mg/Kg	02/22/13	EK	SW6010
Mercury	0.54	0.07	mg/Kg	02/22/13	RS	SW-7471
Potassium	1530	53	mg/Kg	02/22/13	EK	SW6010
Magnesium	3350	53	mg/Kg	02/22/13	EK	SW6010
Manganese	273	3.6	mg/Kg	02/22/13	EK	SW6010
Sodium	698	5.3	mg/Kg	02/22/13	EK	SW6010
Nickel	33.4	0.36	mg/Kg	02/22/13	EK	SW6010
Lead	205	3.6	mg/Kg	02/22/13	EK	SW6010
Antimony	< 3.6	3.6	mg/Kg	02/22/13	EK	SW6010
Selenium	< 1.4	1.4	mg/Kg	02/22/13	EK	SW6010
Thallium	< 0.6	0.6	mg/Kg	02/22/13	EK	SW6010
Vanadium	22.0	0.36	mg/Kg	02/22/13	EK	SW6010
Zinc	151	3.6	mg/Kg	02/22/13	EK	SW6010
Percent Solid	90		%	02/21/13	JL	E160.3
Total Cyanide	< 0.56	0.56	mg/Kg	02/24/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			02/21/13	BB	SW3545
Soil Extraction for Pesticide	Completed			02/21/13	BB/V	SW3545
Soil Extraction for SVOA	Completed			02/21/13	BJ/V	SW3545

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B7-0-2 FT

Phoenix I.D.: BD38697

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			02/22/13	K	SW7471	
Total Metals Digest	Completed			02/21/13	AG	SW846 - 3050	
Field Extraction	Completed			02/19/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1221	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1232	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1242	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1248	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1254	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1260	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1262	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1268	ND	360	ug/Kg	02/22/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	88		%	02/22/13	AW	30 - 150 %	
% TCMX	89		%	02/22/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	35	ug/Kg	02/25/13	MH	SW8081	
4,4' -DDE	ND	35	ug/Kg	02/25/13	MH	SW8081	
4,4' -DDT	ND	35	ug/Kg	02/25/13	MH	SW8081	
a-BHC	ND	18	ug/Kg	02/25/13	MH	SW8081	
Alachlor	ND	18	ug/Kg	02/25/13	MH	SW8081	1
Aldrin	ND	5.5	ug/Kg	02/25/13	MH	SW8081	
b-BHC	ND	18	ug/Kg	02/25/13	MH	SW8081	
Chlordane	ND	55	ug/Kg	02/25/13	MH	SW8081	
d-BHC	ND	18	ug/Kg	02/25/13	MH	SW8081	
Dieldrin	ND	5.5	ug/Kg	02/25/13	MH	SW8081	
Endosulfan I	ND	18	ug/Kg	02/25/13	MH	SW8081	
Endosulfan II	ND	35	ug/Kg	02/25/13	MH	SW8081	
Endosulfan sulfate	ND	35	ug/Kg	02/25/13	MH	SW8081	
Endrin	ND	35	ug/Kg	02/25/13	MH	SW8081	
Endrin aldehyde	ND	35	ug/Kg	02/25/13	MH	SW8081	
Endrin ketone	ND	35	ug/Kg	02/25/13	MH	SW8081	
g-BHC	ND	5.5	ug/Kg	02/25/13	MH	SW8081	
Heptachlor	ND	11	ug/Kg	02/25/13	MH	SW8081	
Heptachlor epoxide	ND	18	ug/Kg	02/25/13	MH	SW8081	
Methoxychlor	ND	180	ug/Kg	02/25/13	MH	SW8081	
Toxaphene	ND	180	ug/Kg	02/25/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	100		%	02/25/13	MH	30 - 150 %	
% TCMX	82		%	02/25/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
1,1,1-Trichloroethane	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	02/23/13	H/J	SW8260	
1,1,2-Trichloroethane	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
1,1-Dichloroethane	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B7-0-2 FT

Phoenix I.D.: BD38697

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
1,1-Dichloropropene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
1,2,3-Trichloropropane	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
1,2-Dibromoethane	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	LP
1,2-Dichlorobenzene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
1,2-Dichloroethane	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
1,2-Dichloropropane	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
1,3-Dichlorobenzene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
1,3-Dichloropropane	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
1,4-Dichlorobenzene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
2,2-Dichloropropane	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
2-Chlorotoluene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
2-Hexanone	ND	28	ug/Kg	02/23/13	H/J	SW8260	
2-Isopropyltoluene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	1
4-Chlorotoluene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
4-Methyl-2-pentanone	ND	28	ug/Kg	02/23/13	H/J	SW8260	
Acetone	ND	56	ug/Kg	02/23/13	H/J	SW8260	
Acrylonitrile	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Benzene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Bromobenzene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Bromochloromethane	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Bromodichloromethane	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Bromoform	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Bromomethane	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Carbon Disulfide	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Carbon tetrachloride	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Chlorobenzene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Chloroethane	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Chloroform	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Chloromethane	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
cis-1,2-Dichloroethene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
cis-1,3-Dichloropropene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	1
Dibromochloromethane	ND	3.3	ug/Kg	02/23/13	H/J	SW8260	
Dibromomethane	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Dichlorodifluoromethane	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Ethylbenzene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Hexachlorobutadiene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Isopropylbenzene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
m&p-Xylene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Methyl Ethyl Ketone	ND	33	ug/Kg	02/23/13	H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	02/23/13	H/J	SW8260	
Methylene chloride	ND	56	ug/Kg	02/23/13	H/J	SW8260	
Naphthalene	ND	10	ug/Kg	02/23/13	H/J	SW8260	
n-Butylbenzene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
n-Propylbenzene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
p-Isopropyltoluene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
sec-Butylbenzene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Styrene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
tert-Butylbenzene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Tetrachloroethene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Tetrahydrofuran (THF)	ND	11	ug/Kg	02/23/13	H/J	SW8260	1
Toluene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Total Xylenes	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
trans-1,2-Dichloroethene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
trans-1,3-Dichloropropene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	02/23/13	H/J	SW8260	
Trichloroethene	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Trichlorofluoromethane	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Trichlorotrifluoroethane	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
Vinyl chloride	ND	5.6	ug/Kg	02/23/13	H/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	122		%	02/23/13	H/J	70 - 130 %	
% Bromofluorobenzene	77		%	02/23/13	H/J	70 - 130 %	
% Dibromofluoromethane	107		%	02/23/13	H/J	70 - 130 %	
% Toluene-d8	92		%	02/23/13	H/J	70 - 130 %	
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
1,2-Diphenylhydrazine	ND	360	ug/Kg	02/22/13	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dichlorophenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dimethylphenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dinitrophenol	ND	580	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2-Chloronaphthalene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2-Chlorophenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2-Methylnaphthalene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2-Nitroaniline	ND	580	ug/Kg	02/22/13	DD	SW 8270	
2-Nitrophenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	02/22/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	250	ug/Kg	02/22/13	DD	SW 8270	
3-Nitroaniline	ND	580	ug/Kg	02/22/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	02/22/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	360	ug/Kg	02/22/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
4-Chloroaniline	ND	250	ug/Kg	02/22/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	02/22/13	DD	SW 8270	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B7-0-2 FT

Phoenix I.D.: BD38697

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND	580	ug/Kg	02/22/13	DD	SW 8270	
4-Nitrophenol	ND	1100	ug/Kg	02/22/13	DD	SW 8270	
Acenaphthene	440	250	ug/Kg	02/22/13	DD	SW 8270	
Acenaphthylene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Acetophenone	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Aniline	ND	1100	ug/Kg	02/22/13	DD	SW 8270	
Anthracene	860	250	ug/Kg	02/22/13	DD	SW 8270	
Benz(a)anthracene	2100	250	ug/Kg	02/22/13	DD	SW 8270	
Benzidine	ND	440	ug/Kg	02/22/13	DD	SW 8270	
Benzo(a)pyrene	1800	250	ug/Kg	02/22/13	DD	SW 8270	
Benzo(b)fluoranthene	2300	250	ug/Kg	02/22/13	DD	SW 8270	
Benzo(ghi)perylene	1100	250	ug/Kg	02/22/13	DD	SW 8270	
Benzo(k)fluoranthene	860	250	ug/Kg	02/22/13	DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	02/22/13	DD	SW 8270	LO
Benzyl butyl phthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	360	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Carbazole	760	550	ug/Kg	02/22/13	DD	SW 8270	
Chrysene	2300	250	ug/Kg	02/22/13	DD	SW 8270	
Dibenz(a,h)anthracene	320	250	ug/Kg	02/22/13	DD	SW 8270	
Dibenzofuran	380	250	ug/Kg	02/22/13	DD	SW 8270	
Diethyl phthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Dimethylphthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Di-n-butylphthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Di-n-octylphthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Fluoranthene	5400	250	ug/Kg	02/22/13	DD	SW 8270	
Fluorene	340	250	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorobutadiene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Hexachloroethane	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	940	250	ug/Kg	02/22/13	DD	SW 8270	
Isophorone	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Naphthalene	290	250	ug/Kg	02/22/13	DD	SW 8270	
Nitrobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodimethylamine	ND	360	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodiphenylamine	ND	360	ug/Kg	02/22/13	DD	SW 8270	
Pentachloronitrobenzene	ND	360	ug/Kg	02/22/13	DD	SW 8270	
Pentachlorophenol	ND	360	ug/Kg	02/22/13	DD	SW 8270	
Phenanthrene	5800	250	ug/Kg	02/22/13	DD	SW 8270	
Phenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Pyrene	1900	250	ug/Kg	02/22/13	DD	SW 8270	
Pyridine	ND	360	ug/Kg	02/22/13	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	78		%	02/22/13	DD	30 - 130 %	
% 2-Fluorobiphenyl	85		%	02/22/13	DD	30 - 130 %	
% 2-Fluorophenol	72		%	02/22/13	DD	30 - 130 %	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B7-0-2 FT

Phoenix I.D.: BD38697

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	78		%	02/22/13	DD	30 - 130 %
% Phenol-d5	72		%	02/22/13	DD	30 - 130 %
% Terphenyl-d14	126		%	02/22/13	DD	30 - 130 %

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

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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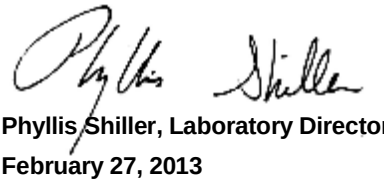

Phyllis Shiller, Laboratory Director
February 27, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 27, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		02/19/13	0:00
Location Code:	EBC	Received by:	SW	02/21/13	17:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD38697
Phoenix ID: BD38698

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B7-9-11 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	02/22/13	EK	SW6010
Aluminum	10100	55	mg/Kg	02/22/13	EK	SW6010
Arsenic	3.2	0.7	mg/Kg	02/22/13	EK	SW6010
Barium	38.1	0.36	mg/Kg	02/22/13	EK	SW6010
Beryllium	0.57	0.29	mg/Kg	02/22/13	EK	SW6010
Calcium	986	5.5	mg/Kg	02/22/13	EK	SW6010
Cadmium	< 0.36	0.36	mg/Kg	02/22/13	EK	SW6010
Cobalt	7.41	0.36	mg/Kg	02/22/13	EK	SW6010
Chromium	16.6	0.36	mg/Kg	02/22/13	EK	SW6010
Copper	17.0	0.36	mg/kg	02/22/13	EK	SW6010
Iron	18300	55	mg/Kg	02/22/13	EK	SW6010
Mercury	< 0.08	0.08	mg/Kg	02/22/13	RS	SW-7471
Potassium	1010	55	mg/Kg	02/22/13	EK	SW6010
Magnesium	2970	55	mg/Kg	02/22/13	EK	SW6010
Manganese	330	3.6	mg/Kg	02/22/13	EK	SW6010
Sodium	103	5.5	mg/Kg	02/22/13	EK	SW6010
Nickel	29.5	0.36	mg/Kg	02/22/13	EK	SW6010
Lead	10.2	0.36	mg/Kg	02/22/13	EK	SW6010
Antimony	< 3.6	3.6	mg/Kg	02/22/13	EK	SW6010
Selenium	< 1.5	1.5	mg/Kg	02/22/13	EK	SW6010
Thallium	< 0.6	0.6	mg/Kg	02/22/13	EK	SW6010
Vanadium	27.1	0.36	mg/Kg	02/22/13	EK	SW6010
Zinc	39.2	0.36	mg/Kg	02/22/13	EK	SW6010
Percent Solid	86		%	02/21/13	JL	E160.3
Total Cyanide	< 0.58	0.58	mg/Kg	02/24/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			02/21/13	BB	SW3545
Soil Extraction for Pesticide	Completed			02/21/13	BB/V	SW3545
Soil Extraction for SVOA	Completed			02/21/13	BJ/V	SW3545

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B7-9-11 FT

Phoenix I.D.: BD38698

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			02/22/13	K	SW7471	
Total Metals Digest	Completed			02/21/13	AG	SW846 - 3050	
Field Extraction	Completed			02/19/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	380	ug/Kg	02/22/13	AW	SW 8082	
PCB-1221	ND	380	ug/Kg	02/22/13	AW	SW 8082	
PCB-1232	ND	380	ug/Kg	02/22/13	AW	SW 8082	
PCB-1242	ND	380	ug/Kg	02/22/13	AW	SW 8082	
PCB-1248	ND	380	ug/Kg	02/22/13	AW	SW 8082	
PCB-1254	ND	380	ug/Kg	02/22/13	AW	SW 8082	
PCB-1260	ND	380	ug/Kg	02/22/13	AW	SW 8082	
PCB-1262	ND	380	ug/Kg	02/22/13	AW	SW 8082	
PCB-1268	ND	380	ug/Kg	02/22/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	76		%	02/22/13	AW	30 - 150 %	
% TCMX	94		%	02/22/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	37	ug/Kg	02/25/13	MH	SW8081	
4,4' -DDE	ND	37	ug/Kg	02/25/13	MH	SW8081	
4,4' -DDT	ND	37	ug/Kg	02/25/13	MH	SW8081	
a-BHC	ND	18	ug/Kg	02/25/13	MH	SW8081	
Alachlor	ND	18	ug/Kg	02/25/13	MH	SW8081	1
Aldrin	ND	5.7	ug/Kg	02/25/13	MH	SW8081	
b-BHC	ND	18	ug/Kg	02/25/13	MH	SW8081	
Chlordane	ND	57	ug/Kg	02/25/13	MH	SW8081	
d-BHC	ND	18	ug/Kg	02/25/13	MH	SW8081	
Dieldrin	ND	5.7	ug/Kg	02/25/13	MH	SW8081	
Endosulfan I	ND	18	ug/Kg	02/25/13	MH	SW8081	
Endosulfan II	ND	37	ug/Kg	02/25/13	MH	SW8081	
Endosulfan sulfate	ND	37	ug/Kg	02/25/13	MH	SW8081	
Endrin	ND	37	ug/Kg	02/25/13	MH	SW8081	
Endrin aldehyde	ND	37	ug/Kg	02/25/13	MH	SW8081	
Endrin ketone	ND	37	ug/Kg	02/25/13	MH	SW8081	
g-BHC	ND	5.7	ug/Kg	02/25/13	MH	SW8081	
Heptachlor	ND	11	ug/Kg	02/25/13	MH	SW8081	
Heptachlor epoxide	ND	18	ug/Kg	02/25/13	MH	SW8081	
Methoxychlor	ND	180	ug/Kg	02/25/13	MH	SW8081	
Toxaphene	ND	180	ug/Kg	02/25/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	78		%	02/25/13	MH	30 - 150 %	
% TCMX	90		%	02/25/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
1,1,1-Trichloroethane	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	2.3	ug/Kg	02/22/13	H/J	SW8260	
1,1,2-Trichloroethane	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
1,1-Dichloroethane	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B7-9-11 FT

Phoenix I.D.: BD38698

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
1,1-Dichloropropene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
1,2,3-Trichlorobenzene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
1,2,3-Trichloropropane	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
1,2,4-Trichlorobenzene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
1,2,4-Trimethylbenzene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dibromoethane	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	LP
1,2-Dichlorobenzene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dichloroethane	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dichloropropane	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
1,3,5-Trimethylbenzene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
1,3-Dichlorobenzene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
1,3-Dichloropropane	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
1,4-Dichlorobenzene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
2,2-Dichloropropane	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
2-Chlorotoluene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
2-Hexanone	ND	19	ug/Kg	02/22/13	H/J	SW8260	
2-Isopropyltoluene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	1
4-Chlorotoluene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
4-Methyl-2-pentanone	ND	19	ug/Kg	02/22/13	H/J	SW8260	
Acetone	ND	77	ug/Kg	02/22/13	H/J	SW8260	
Acrylonitrile	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Benzene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Bromobenzene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Bromochloromethane	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Bromodichloromethane	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Bromoform	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Bromomethane	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Carbon Disulfide	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Carbon tetrachloride	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Chlorobenzene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Chloroethane	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Chloroform	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Chloromethane	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
cis-1,2-Dichloroethene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
cis-1,3-Dichloropropene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	1
Dibromochloromethane	ND	2.3	ug/Kg	02/22/13	H/J	SW8260	
Dibromomethane	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Dichlorodifluoromethane	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Ethylbenzene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Hexachlorobutadiene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Isopropylbenzene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
m&p-Xylene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Methyl Ethyl Ketone	ND	23	ug/Kg	02/22/13	H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	7.7	ug/Kg	02/22/13	H/J	SW8260	
Methylene chloride	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Naphthalene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
n-Butylbenzene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
n-Propylbenzene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
o-Xylene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
p-Isopropyltoluene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
sec-Butylbenzene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Styrene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
tert-Butylbenzene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Tetrachloroethene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Tetrahydrofuran (THF)	ND	7.7	ug/Kg	02/22/13	H/J	SW8260	1
Toluene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Total Xylenes	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
trans-1,2-Dichloroethene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
trans-1,3-Dichloropropene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	7.7	ug/Kg	02/22/13	H/J	SW8260	
Trichloroethene	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Trichlorofluoromethane	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Trichlorotrifluoroethane	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
Vinyl chloride	ND	3.8	ug/Kg	02/22/13	H/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	02/22/13	H/J	70 - 130 %	
% Bromofluorobenzene	96		%	02/22/13	H/J	70 - 130 %	
% Dibromofluoromethane	100		%	02/22/13	H/J	70 - 130 %	
% Toluene-d8	97		%	02/22/13	H/J	70 - 130 %	
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
1,2-Dichlorobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
1,2-Diphenylhydrazine	ND	380	ug/Kg	02/22/13	DD	SW 8270	
1,3-Dichlorobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
1,4-Dichlorobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dichlorophenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dimethylphenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dinitrophenol	ND	610	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2-Chloronaphthalene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2-Chlorophenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2-Methylnaphthalene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2-Nitroaniline	ND	610	ug/Kg	02/22/13	DD	SW 8270	
2-Nitrophenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	02/22/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	270	ug/Kg	02/22/13	DD	SW 8270	
3-Nitroaniline	ND	610	ug/Kg	02/22/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	02/22/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	380	ug/Kg	02/22/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
4-Chloroaniline	ND	270	ug/Kg	02/22/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	02/22/13	DD	SW 8270	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND	610	ug/Kg	02/22/13	DD	SW 8270	
4-Nitrophenol	ND	1100	ug/Kg	02/22/13	DD	SW 8270	
Acenaphthene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Acenaphthylene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Acetophenone	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Aniline	ND	1100	ug/Kg	02/22/13	DD	SW 8270	
Anthracene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Benz(a)anthracene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Benzidine	ND	460	ug/Kg	02/22/13	DD	SW 8270	
Benzo(a)pyrene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Benzo(ghi)perylene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	02/22/13	DD	SW 8270	LO
Benzyl butyl phthalate	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	380	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Carbazole	ND	580	ug/Kg	02/22/13	DD	SW 8270	
Chrysene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Dibenzofuran	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Diethyl phthalate	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Dimethylphthalate	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Di-n-butylphthalate	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Di-n-octylphthalate	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Fluoranthene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Fluorene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorobutadiene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorocyclopentadiene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Hexachloroethane	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Isophorone	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Naphthalene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Nitrobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodimethylamine	ND	380	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodiphenylamine	ND	380	ug/Kg	02/22/13	DD	SW 8270	
Pentachloronitrobenzene	ND	380	ug/Kg	02/22/13	DD	SW 8270	
Pentachlorophenol	ND	380	ug/Kg	02/22/13	DD	SW 8270	
Phenanthrene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Phenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Pyrene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Pyridine	ND	380	ug/Kg	02/22/13	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	77		%	02/22/13	DD	30 - 130 %	
% 2-Fluorobiphenyl	81		%	02/22/13	DD	30 - 130 %	
% 2-Fluorophenol	73		%	02/22/13	DD	30 - 130 %	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B7-9-11 FT

Phoenix I.D.: BD38698

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	77		%	02/22/13	DD	30 - 130 %
% Phenol-d5	73		%	02/22/13	DD	30 - 130 %
% Terphenyl-d14	108		%	02/22/13	DD	30 - 130 %

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

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
February 27, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 27, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		02/19/13	0:00
Location Code:	EBC	Received by:	SW	02/21/13	17:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD38697
Phoenix ID: BD38699

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B9-0-2 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.42	0.42	mg/Kg	02/22/13	EK	SW6010
Aluminum	5040	64	mg/Kg	02/22/13	EK	SW6010
Arsenic	8.2	0.8	mg/Kg	02/22/13	EK	SW6010
Barium	2450	4.2	mg/Kg	02/22/13	EK	SW6010
Beryllium	0.41	0.34	mg/Kg	02/22/13	EK	SW6010
Calcium	121000	64	mg/Kg	02/22/13	EK	SW6010
Cadmium	1.89	0.42	mg/Kg	02/22/13	EK	SW6010
Cobalt	3.59	0.42	mg/Kg	02/22/13	EK	SW6010
Chromium	15.8	0.42	mg/Kg	02/22/13	EK	SW6010
Copper	30.4	0.42	mg/kg	02/22/13	EK	SW6010
Iron	11500	64	mg/Kg	02/22/13	EK	SW6010
Mercury	0.43	0.08	mg/Kg	02/22/13	RS	SW-7471
Potassium	886	6.4	mg/Kg	02/22/13	EK	SW6010
Magnesium	4390	64	mg/Kg	02/22/13	EK	SW6010
Manganese	371	4.2	mg/Kg	02/22/13	EK	SW6010
Sodium	315	6.4	mg/Kg	02/22/13	EK	SW6010
Nickel	12.7	0.42	mg/Kg	02/22/13	EK	SW6010
Lead	5300	42	mg/Kg	02/22/13	EK	SW6010
Antimony	< 4.2	4.2	mg/Kg	02/22/13	EK	SW6010
Selenium	< 1.7	1.7	mg/Kg	02/22/13	EK	SW6010
Thallium	< 0.7	0.7	mg/Kg	02/22/13	EK	SW6010
Vanadium	23.8	0.42	mg/Kg	02/22/13	EK	SW6010
Zinc	2290	42	mg/Kg	02/22/13	EK	SW6010
Percent Solid	83		%	02/21/13	JL	E160.3
Total Cyanide	2.25	0.60	mg/Kg	02/24/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			02/21/13	BB	SW3545
Soil Extraction for Pesticide	Completed			02/21/13	BB/V	SW3545
Soil Extraction for SVOA	Completed			02/21/13	BJ/V	SW3545

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B9-0-2 FT

Phoenix I.D.: BD38699

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			02/22/13	K	SW7471	
Total Metals Digest	Completed			02/21/13	AG	SW846 - 3050	
Field Extraction	Completed			02/19/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	02/22/13	AW	SW 8082	
PCB-1221	ND	400	ug/Kg	02/22/13	AW	SW 8082	
PCB-1232	ND	400	ug/Kg	02/22/13	AW	SW 8082	
PCB-1242	ND	400	ug/Kg	02/22/13	AW	SW 8082	
PCB-1248	ND	400	ug/Kg	02/22/13	AW	SW 8082	
PCB-1254	ND	400	ug/Kg	02/22/13	AW	SW 8082	
PCB-1260	ND	400	ug/Kg	02/22/13	AW	SW 8082	
PCB-1262	ND	400	ug/Kg	02/22/13	AW	SW 8082	
PCB-1268	ND	400	ug/Kg	02/22/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	52		%	02/22/13	AW	30 - 150 %	
% TCMX	89		%	02/22/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	38	ug/Kg	02/25/13	MH	SW8081	
4,4' -DDE	ND	38	ug/Kg	02/25/13	MH	SW8081	
4,4' -DDT	ND	38	ug/Kg	02/25/13	MH	SW8081	
a-BHC	ND	19	ug/Kg	02/25/13	MH	SW8081	
Alachlor	ND	19	ug/Kg	02/25/13	MH	SW8081	1
Aldrin	ND	6.0	ug/Kg	02/25/13	MH	SW8081	
b-BHC	ND	19	ug/Kg	02/25/13	MH	SW8081	
Chlordane	ND	60	ug/Kg	02/25/13	MH	SW8081	
d-BHC	ND	19	ug/Kg	02/25/13	MH	SW8081	
Dieldrin	ND	9.9	ug/Kg	02/25/13	MH	SW8081	
Endosulfan I	ND	19	ug/Kg	02/25/13	MH	SW8081	
Endosulfan II	ND	38	ug/Kg	02/25/13	MH	SW8081	
Endosulfan sulfate	ND	44	ug/Kg	02/25/13	MH	SW8081	
Endrin	ND	38	ug/Kg	02/25/13	MH	SW8081	
Endrin aldehyde	ND	38	ug/Kg	02/25/13	MH	SW8081	
Endrin ketone	ND	38	ug/Kg	02/25/13	MH	SW8081	
g-BHC	ND	6.0	ug/Kg	02/25/13	MH	SW8081	
Heptachlor	ND	12	ug/Kg	02/25/13	MH	SW8081	
Heptachlor epoxide	ND	19	ug/Kg	02/25/13	MH	SW8081	
Methoxychlor	ND	190	ug/Kg	02/25/13	MH	SW8081	
Toxaphene	ND	190	ug/Kg	02/25/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	86		%	02/25/13	MH	30 - 150 %	
% TCMX	90		%	02/25/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
1,1,1-Trichloroethane	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
1,1,2-Trichloroethane	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
1,1-Dichloroethane	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B9-0-2 FT

Phoenix I.D.: BD38699

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
1,1-Dichloropropene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
1,2,3-Trichlorobenzene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
1,2,3-Trichloropropane	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
1,2,4-Trichlorobenzene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
1,2,4-Trimethylbenzene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dibromoethane	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	LP
1,2-Dichlorobenzene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dichloroethane	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dichloropropane	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
1,3,5-Trimethylbenzene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
1,3-Dichlorobenzene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
1,3-Dichloropropane	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
1,4-Dichlorobenzene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
2,2-Dichloropropane	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
2-Chlorotoluene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
2-Hexanone	ND	33	ug/Kg	02/22/13	H/J	SW8260	
2-Isopropyltoluene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	1
4-Chlorotoluene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
4-Methyl-2-pentanone	ND	33	ug/Kg	02/22/13	H/J	SW8260	
Acetone	ND	130	ug/Kg	02/22/13	H/J	SW8260	
Acrylonitrile	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Benzene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Bromobenzene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Bromochloromethane	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Bromodichloromethane	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Bromoform	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Bromomethane	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Carbon Disulfide	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Carbon tetrachloride	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Chlorobenzene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Chloroethane	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Chloroform	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Chloromethane	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
cis-1,2-Dichloroethene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
cis-1,3-Dichloropropene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	1
Dibromochloromethane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Dibromomethane	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Dichlorodifluoromethane	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Ethylbenzene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Hexachlorobutadiene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Isopropylbenzene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
m&p-Xylene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Methyl Ethyl Ketone	ND	39	ug/Kg	02/22/13	H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	13	ug/Kg	02/22/13	H/J	SW8260	
Methylene chloride	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Naphthalene	13	6.6	ug/Kg	02/22/13	H/J	SW8260	
n-Butylbenzene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
n-Propylbenzene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
o-Xylene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
p-Isopropyltoluene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
sec-Butylbenzene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Styrene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
tert-Butylbenzene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Tetrachloroethene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Tetrahydrofuran (THF)	ND	13	ug/Kg	02/22/13	H/J	SW8260	1
Toluene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Total Xylenes	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
trans-1,2-Dichloroethene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
trans-1,3-Dichloropropene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	02/22/13	H/J	SW8260	
Trichloroethene	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Trichlorofluoromethane	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Trichlorotrifluoroethane	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
Vinyl chloride	ND	6.6	ug/Kg	02/22/13	H/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	02/22/13	H/J	70 - 130 %	
% Bromofluorobenzene	88		%	02/22/13	H/J	70 - 130 %	
% Dibromofluoromethane	107		%	02/22/13	H/J	70 - 130 %	
% Toluene-d8	93		%	02/22/13	H/J	70 - 130 %	
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
1,2-Dichlorobenzene	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
1,2-Diphenylhydrazine	ND	2000	ug/Kg	02/22/13	DD	SW 8270	
1,3-Dichlorobenzene	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
1,4-Dichlorobenzene	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dichlorophenol	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dimethylphenol	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dinitrophenol	ND	3200	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
2-Chloronaphthalene	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
2-Chlorophenol	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
2-Methylnaphthalene	6600	1400	ug/Kg	02/22/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
2-Nitroaniline	ND	3200	ug/Kg	02/22/13	DD	SW 8270	
2-Nitrophenol	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	2000	ug/Kg	02/22/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
3-Nitroaniline	ND	3200	ug/Kg	02/22/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	5800	ug/Kg	02/22/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	2000	ug/Kg	02/22/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
4-Chloroaniline	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	1400	ug/Kg	02/22/13	DD	SW 8270	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND	3200	ug/Kg	02/22/13	DD	SW 8270	
4-Nitrophenol	ND	5800	ug/Kg	02/22/13	DD	SW 8270	
Acenaphthene	17000	1400	ug/Kg	02/22/13	DD	SW 8270	
Acenaphthylene	2600	1400	ug/Kg	02/22/13	DD	SW 8270	
Acetophenone	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
Aniline	ND	5800	ug/Kg	02/22/13	DD	SW 8270	
Anthracene	30000	1400	ug/Kg	02/22/13	DD	SW 8270	
Benz(a)anthracene	53000	1400	ug/Kg	02/22/13	DD	SW 8270	
Benzidine	ND	2400	ug/Kg	02/22/13	DD	SW 8270	
Benzo(a)pyrene	43000	1400	ug/Kg	02/22/13	DD	SW 8270	
Benzo(b)fluoranthene	56000	1400	ug/Kg	02/22/13	DD	SW 8270	
Benzo(ghi)perylene	21000	1400	ug/Kg	02/22/13	DD	SW 8270	
Benzo(k)fluoranthene	11000	1400	ug/Kg	02/22/13	DD	SW 8270	
Benzoic acid	ND	5800	ug/Kg	02/22/13	DD	SW 8270	LO
Benzyl butyl phthalate	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	2000	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
Carbazole	24000	3000	ug/Kg	02/22/13	DD	SW 8270	
Chrysene	56000	1400	ug/Kg	02/22/13	DD	SW 8270	
Dibenz(a,h)anthracene	2200	1400	ug/Kg	02/22/13	DD	SW 8270	
Dibenzofuran	13000	1400	ug/Kg	02/22/13	DD	SW 8270	
Diethyl phthalate	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
Dimethylphthalate	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
Di-n-butylphthalate	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
Di-n-octylphthalate	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
Fluoranthene	130000	1400	ug/Kg	02/22/13	DD	SW 8270	
Fluorene	18000	1400	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorobenzene	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorobutadiene	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorocyclopentadiene	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
Hexachloroethane	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	20000	1400	ug/Kg	02/22/13	DD	SW 8270	
Isophorone	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
Naphthalene	15000	1400	ug/Kg	02/22/13	DD	SW 8270	
Nitrobenzene	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodimethylamine	ND	2000	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodiphenylamine	ND	2000	ug/Kg	02/22/13	DD	SW 8270	
Pentachloronitrobenzene	ND	2000	ug/Kg	02/22/13	DD	SW 8270	
Pentachlorophenol	ND	2000	ug/Kg	02/22/13	DD	SW 8270	
Phenanthrene	160000	1400	ug/Kg	02/22/13	DD	SW 8270	
Phenol	ND	1400	ug/Kg	02/22/13	DD	SW 8270	
Pyrene	110000	1400	ug/Kg	02/22/13	DD	SW 8270	
Pyridine	ND	2000	ug/Kg	02/22/13	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	109		%	02/22/13	DD	30 - 130 %	
% 2-Fluorobiphenyl	77		%	02/22/13	DD	30 - 130 %	
% 2-Fluorophenol	65		%	02/22/13	DD	30 - 130 %	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B9-0-2 FT

Phoenix I.D.: BD38699

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	76		%	02/22/13	DD	30 - 130 %
% Phenol-d5	71		%	02/22/13	DD	30 - 130 %
% Terphenyl-d14	87		%	02/22/13	DD	30 - 130 %

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

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 27, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 27, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		02/19/13	0:00
Location Code:	EBC	Received by:	SW	02/21/13	17:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD38697
Phoenix ID: BD38700

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B9-9-11 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	02/22/13	EK	SW6010
Aluminum	9920	57	mg/Kg	02/22/13	EK	SW6010
Arsenic	5.2	0.8	mg/Kg	02/22/13	EK	SW6010
Barium	46.8	0.38	mg/Kg	02/22/13	EK	SW6010
Beryllium	0.52	0.31	mg/Kg	02/22/13	EK	SW6010
Calcium	1450	57	mg/Kg	02/22/13	EK	SW6010
Cadmium	< 0.38	0.38	mg/Kg	02/22/13	EK	SW6010
Cobalt	8.73	0.38	mg/Kg	02/22/13	EK	SW6010
Chromium	20.3	0.38	mg/Kg	02/22/13	EK	SW6010
Copper	15.7	0.38	mg/kg	02/22/13	EK	SW6010
Iron	18800	57	mg/Kg	02/22/13	EK	SW6010
Mercury	< 0.09	0.09	mg/Kg	02/22/13	RS	SW-7471
Potassium	1260	57	mg/Kg	02/22/13	EK	SW6010
Magnesium	3660	57	mg/Kg	02/22/13	EK	SW6010
Manganese	769	3.8	mg/Kg	02/22/13	EK	SW6010
Sodium	75.1	5.7	mg/Kg	02/22/13	EK	SW6010
Nickel	31.6	0.38	mg/Kg	02/22/13	EK	SW6010
Lead	10.5	0.38	mg/Kg	02/22/13	EK	SW6010
Antimony	< 3.8	3.8	mg/Kg	02/22/13	EK	SW6010
Selenium	< 1.5	1.5	mg/Kg	02/22/13	EK	SW6010
Thallium	< 0.6	0.6	mg/Kg	02/22/13	EK	SW6010
Vanadium	26.0	0.38	mg/Kg	02/22/13	EK	SW6010
Zinc	49.6	0.38	mg/Kg	02/22/13	EK	SW6010
Percent Solid	85		%	02/21/13	JL	E160.3
Total Cyanide	< 0.59	0.59	mg/Kg	02/24/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			02/21/13	BB	SW3545
Soil Extraction for Pesticide	Completed			02/21/13	BB/V	SW3545
Soil Extraction for SVOA	Completed			02/21/13	BJ/V	SW3545

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B9-9-11 FT

Phoenix I.D.: BD38700

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			02/22/13	K	SW7471	
Total Metals Digest	Completed			02/21/13	AG	SW846 - 3050	
Field Extraction	Completed			02/19/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	390	ug/Kg	02/22/13	AW	SW 8082	
PCB-1221	ND	390	ug/Kg	02/22/13	AW	SW 8082	
PCB-1232	ND	390	ug/Kg	02/22/13	AW	SW 8082	
PCB-1242	ND	390	ug/Kg	02/22/13	AW	SW 8082	
PCB-1248	ND	390	ug/Kg	02/22/13	AW	SW 8082	
PCB-1254	ND	390	ug/Kg	02/22/13	AW	SW 8082	
PCB-1260	ND	390	ug/Kg	02/22/13	AW	SW 8082	
PCB-1262	ND	390	ug/Kg	02/22/13	AW	SW 8082	
PCB-1268	ND	390	ug/Kg	02/22/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	102		%	02/22/13	AW	30 - 150 %	
% TCMX	39		%	02/22/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	37	ug/Kg	02/25/13	MH	SW8081	
4,4' -DDE	ND	37	ug/Kg	02/25/13	MH	SW8081	
4,4' -DDT	ND	37	ug/Kg	02/25/13	MH	SW8081	
a-BHC	ND	19	ug/Kg	02/25/13	MH	SW8081	
Alachlor	ND	19	ug/Kg	02/25/13	MH	SW8081	1
Aldrin	ND	5.8	ug/Kg	02/25/13	MH	SW8081	
b-BHC	ND	19	ug/Kg	02/25/13	MH	SW8081	
Chlordane	ND	58	ug/Kg	02/25/13	MH	SW8081	
d-BHC	ND	19	ug/Kg	02/25/13	MH	SW8081	
Dieldrin	ND	5.8	ug/Kg	02/25/13	MH	SW8081	
Endosulfan I	ND	19	ug/Kg	02/25/13	MH	SW8081	
Endosulfan II	ND	37	ug/Kg	02/25/13	MH	SW8081	
Endosulfan sulfate	ND	37	ug/Kg	02/25/13	MH	SW8081	
Endrin	ND	37	ug/Kg	02/25/13	MH	SW8081	
Endrin aldehyde	ND	37	ug/Kg	02/25/13	MH	SW8081	
Endrin ketone	ND	37	ug/Kg	02/25/13	MH	SW8081	
g-BHC	ND	5.8	ug/Kg	02/25/13	MH	SW8081	
Heptachlor	ND	12	ug/Kg	02/25/13	MH	SW8081	
Heptachlor epoxide	ND	19	ug/Kg	02/25/13	MH	SW8081	
Methoxychlor	ND	190	ug/Kg	02/25/13	MH	SW8081	
Toxaphene	ND	190	ug/Kg	02/25/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	77		%	02/25/13	MH	30 - 150 %	
% TCMX	85		%	02/25/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
1,1,1-Trichloroethane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	2.4	ug/Kg	02/22/13	H/J	SW8260	
1,1,2-Trichloroethane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
1,1-Dichloroethane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B9-9-11 FT

Phoenix I.D.: BD38700

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
1,1-Dichloropropene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
1,2,3-Trichlorobenzene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
1,2,3-Trichloropropane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
1,2,4-Trichlorobenzene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
1,2,4-Trimethylbenzene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dibromoethane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	LP
1,2-Dichlorobenzene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dichloroethane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dichloropropane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
1,3,5-Trimethylbenzene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
1,3-Dichlorobenzene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
1,3-Dichloropropane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
1,4-Dichlorobenzene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
2,2-Dichloropropane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
2-Chlorotoluene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
2-Hexanone	ND	20	ug/Kg	02/22/13	H/J	SW8260	
2-Isopropyltoluene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	1
4-Chlorotoluene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
4-Methyl-2-pentanone	ND	20	ug/Kg	02/22/13	H/J	SW8260	
Acetone	ND	79	ug/Kg	02/22/13	H/J	SW8260	
Acrylonitrile	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Benzene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Bromobenzene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Bromochloromethane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Bromodichloromethane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Bromoform	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Bromomethane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Carbon Disulfide	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Carbon tetrachloride	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Chlorobenzene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Chloroethane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Chloroform	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Chloromethane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
cis-1,2-Dichloroethene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
cis-1,3-Dichloropropene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	1
Dibromochloromethane	ND	2.4	ug/Kg	02/22/13	H/J	SW8260	
Dibromomethane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Dichlorodifluoromethane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Ethylbenzene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Hexachlorobutadiene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Isopropylbenzene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
m&p-Xylene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Methyl Ethyl Ketone	ND	24	ug/Kg	02/22/13	H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	7.9	ug/Kg	02/22/13	H/J	SW8260	
Methylene chloride	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Naphthalene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
n-Butylbenzene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
n-Propylbenzene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
o-Xylene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
p-Isopropyltoluene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
sec-Butylbenzene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Styrene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
tert-Butylbenzene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Tetrachloroethene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Tetrahydrofuran (THF)	ND	7.9	ug/Kg	02/22/13	H/J	SW8260	1
Toluene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Total Xylenes	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
trans-1,2-Dichloroethene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
trans-1,3-Dichloropropene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	7.9	ug/Kg	02/22/13	H/J	SW8260	
Trichloroethene	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Trichlorofluoromethane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Trichlorotrifluoroethane	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
Vinyl chloride	ND	3.9	ug/Kg	02/22/13	H/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	02/22/13	H/J	70 - 130 %	
% Bromofluorobenzene	95		%	02/22/13	H/J	70 - 130 %	
% Dibromofluoromethane	102		%	02/22/13	H/J	70 - 130 %	
% Toluene-d8	97		%	02/22/13	H/J	70 - 130 %	
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
1,2-Dichlorobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
1,2-Diphenylhydrazine	ND	390	ug/Kg	02/22/13	DD	SW 8270	
1,3-Dichlorobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
1,4-Dichlorobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dichlorophenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dimethylphenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dinitrophenol	ND	620	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2-Chloronaphthalene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2-Chlorophenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2-Methylnaphthalene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2-Nitroaniline	ND	620	ug/Kg	02/22/13	DD	SW 8270	
2-Nitrophenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	02/22/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	270	ug/Kg	02/22/13	DD	SW 8270	
3-Nitroaniline	ND	620	ug/Kg	02/22/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	02/22/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	390	ug/Kg	02/22/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
4-Chloroaniline	ND	270	ug/Kg	02/22/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	02/22/13	DD	SW 8270	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND	620	ug/Kg	02/22/13	DD	SW 8270	
4-Nitrophenol	ND	1100	ug/Kg	02/22/13	DD	SW 8270	
Acenaphthene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Acenaphthylene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Acetophenone	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Aniline	ND	1100	ug/Kg	02/22/13	DD	SW 8270	
Anthracene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Benz(a)anthracene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Benzidine	ND	470	ug/Kg	02/22/13	DD	SW 8270	
Benzo(a)pyrene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Benzo(ghi)perylene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	02/22/13	DD	SW 8270	LO
Benzyl butyl phthalate	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	390	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Carbazole	ND	590	ug/Kg	02/22/13	DD	SW 8270	
Chrysene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Dibenzofuran	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Diethyl phthalate	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Dimethylphthalate	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Di-n-butylphthalate	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Di-n-octylphthalate	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Fluoranthene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Fluorene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorobutadiene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorocyclopentadiene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Hexachloroethane	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Isophorone	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Naphthalene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Nitrobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodimethylamine	ND	390	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodiphenylamine	ND	390	ug/Kg	02/22/13	DD	SW 8270	
Pentachloronitrobenzene	ND	390	ug/Kg	02/22/13	DD	SW 8270	
Pentachlorophenol	ND	390	ug/Kg	02/22/13	DD	SW 8270	
Phenanthrene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Phenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Pyrene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Pyridine	ND	390	ug/Kg	02/22/13	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	72		%	02/22/13	DD	30 - 130 %	
% 2-Fluorobiphenyl	83		%	02/22/13	DD	30 - 130 %	
% 2-Fluorophenol	72		%	02/22/13	DD	30 - 130 %	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B9-9-11 FT

Phoenix I.D.: BD38700

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	76		%	02/22/13	DD	30 - 130 %
% Phenol-d5	71		%	02/22/13	DD	30 - 130 %
% Terphenyl-d14	112		%	02/22/13	DD	30 - 130 %

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

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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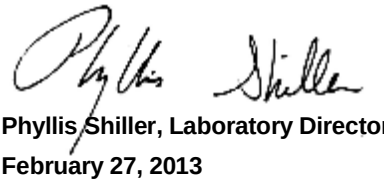

Phyllis Shiller, Laboratory Director
February 27, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 27, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		02/19/13	0:00
Location Code:	EBC	Received by:	SW	02/21/13	17:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD38697
Phoenix ID: BD38701

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B10-2-4 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	02/22/13	EK	SW6010
Aluminum	7590	57	mg/Kg	02/22/13	EK	SW6010
Arsenic	5.6	0.8	mg/Kg	02/22/13	EK	SW6010
Barium	69.5	0.38	mg/Kg	02/22/13	EK	SW6010
Beryllium	0.49	0.30	mg/Kg	02/22/13	EK	SW6010
Calcium	13600	57	mg/Kg	02/22/13	EK	SW6010
Cadmium	0.95	0.38	mg/Kg	02/22/13	EK	SW6010
Cobalt	9.01	0.38	mg/Kg	02/22/13	EK	SW6010
Chromium	29.7	0.38	mg/Kg	02/22/13	EK	SW6010
Copper	79.5	0.38	mg/kg	02/22/13	EK	SW6010
Iron	40100	57	mg/Kg	02/22/13	EK	SW6010
Mercury	< 0.07	0.07	mg/Kg	02/22/13	RS	SW-7471
Potassium	1260	57	mg/Kg	02/22/13	EK	SW6010
Magnesium	5610	57	mg/Kg	02/22/13	EK	SW6010
Manganese	412	3.8	mg/Kg	02/22/13	EK	SW6010
Sodium	180	5.7	mg/Kg	02/22/13	EK	SW6010
Nickel	45.2	0.38	mg/Kg	02/22/13	EK	SW6010
Lead	28.4	0.38	mg/Kg	02/22/13	EK	SW6010
Antimony	< 3.8	3.8	mg/Kg	02/22/13	EK	SW6010
Selenium	< 1.5	1.5	mg/Kg	02/22/13	EK	SW6010
Thallium	< 0.6	0.6	mg/Kg	02/22/13	EK	SW6010
Vanadium	28.5	0.38	mg/Kg	02/22/13	EK	SW6010
Zinc	56.6	0.38	mg/Kg	02/22/13	EK	SW6010
Percent Solid	90		%	02/21/13	JL	E160.3
Total Cyanide	< 0.56	0.56	mg/Kg	02/24/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			02/21/13	BB	SW3545
Soil Extraction for Pesticide	Completed			02/21/13	BB/V	SW3545
Soil Extraction for SVOA	Completed			02/21/13	BJ/V	SW3545

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B10-2-4 FT

Phoenix I.D.: BD38701

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			02/22/13	K	SW7471	
Total Metals Digest	Completed			02/21/13	AG	SW846 - 3050	
Field Extraction	Completed			02/19/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1221	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1232	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1242	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1248	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1254	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1260	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1262	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1268	ND	360	ug/Kg	02/22/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	104		%	02/22/13	AW	30 - 150 %	
% TCMX	39		%	02/22/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	35	ug/Kg	02/25/13	MH	SW8081	
4,4' -DDE	ND	35	ug/Kg	02/25/13	MH	SW8081	
4,4' -DDT	ND	35	ug/Kg	02/25/13	MH	SW8081	
a-BHC	ND	18	ug/Kg	02/25/13	MH	SW8081	
Alachlor	ND	18	ug/Kg	02/25/13	MH	SW8081	1
Aldrin	ND	5.5	ug/Kg	02/25/13	MH	SW8081	
b-BHC	ND	18	ug/Kg	02/25/13	MH	SW8081	
Chlordane	ND	55	ug/Kg	02/25/13	MH	SW8081	
d-BHC	ND	18	ug/Kg	02/25/13	MH	SW8081	
Dieldrin	ND	5.5	ug/Kg	02/25/13	MH	SW8081	
Endosulfan I	ND	18	ug/Kg	02/25/13	MH	SW8081	
Endosulfan II	ND	35	ug/Kg	02/25/13	MH	SW8081	
Endosulfan sulfate	ND	35	ug/Kg	02/25/13	MH	SW8081	
Endrin	ND	35	ug/Kg	02/25/13	MH	SW8081	
Endrin aldehyde	ND	35	ug/Kg	02/25/13	MH	SW8081	
Endrin ketone	ND	35	ug/Kg	02/25/13	MH	SW8081	
g-BHC	ND	5.5	ug/Kg	02/25/13	MH	SW8081	
Heptachlor	ND	11	ug/Kg	02/25/13	MH	SW8081	
Heptachlor epoxide	ND	18	ug/Kg	02/25/13	MH	SW8081	
Methoxychlor	ND	180	ug/Kg	02/25/13	MH	SW8081	
Toxaphene	ND	180	ug/Kg	02/25/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	80		%	02/25/13	MH	30 - 150 %	
% TCMX	87		%	02/25/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
1,1,1-Trichloroethane	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	2.5	ug/Kg	02/22/13	H/J	SW8260	
1,1,2-Trichloroethane	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
1,1-Dichloroethane	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B10-2-4 FT

Phoenix I.D.: BD38701

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
1,1-Dichloropropene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
1,2,3-Trichlorobenzene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
1,2,3-Trichloropropane	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
1,2,4-Trichlorobenzene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
1,2,4-Trimethylbenzene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dibromoethane	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	LP
1,2-Dichlorobenzene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dichloroethane	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dichloropropane	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
1,3,5-Trimethylbenzene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
1,3-Dichlorobenzene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
1,3-Dichloropropane	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
1,4-Dichlorobenzene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
2,2-Dichloropropane	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
2-Chlorotoluene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
2-Hexanone	ND	21	ug/Kg	02/22/13	H/J	SW8260	
2-Isopropyltoluene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	1
4-Chlorotoluene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
4-Methyl-2-pentanone	ND	21	ug/Kg	02/22/13	H/J	SW8260	
Acetone	ND	84	ug/Kg	02/22/13	H/J	SW8260	
Acrylonitrile	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Benzene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Bromobenzene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Bromochloromethane	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Bromodichloromethane	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Bromoform	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Bromomethane	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Carbon Disulfide	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Carbon tetrachloride	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Chlorobenzene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Chloroethane	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Chloroform	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Chloromethane	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
cis-1,2-Dichloroethene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
cis-1,3-Dichloropropene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	1
Dibromochloromethane	ND	2.5	ug/Kg	02/22/13	H/J	SW8260	
Dibromomethane	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Dichlorodifluoromethane	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Ethylbenzene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Hexachlorobutadiene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Isopropylbenzene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
m&p-Xylene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Methyl Ethyl Ketone	ND	25	ug/Kg	02/22/13	H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	8.4	ug/Kg	02/22/13	H/J	SW8260	
Methylene chloride	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Naphthalene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
n-Butylbenzene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
n-Propylbenzene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
o-Xylene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
p-Isopropyltoluene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
sec-Butylbenzene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Styrene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
tert-Butylbenzene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Tetrachloroethene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Tetrahydrofuran (THF)	ND	8.4	ug/Kg	02/22/13	H/J	SW8260	1
Toluene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Total Xylenes	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
trans-1,2-Dichloroethene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
trans-1,3-Dichloropropene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	8.4	ug/Kg	02/22/13	H/J	SW8260	
Trichloroethene	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Trichlorofluoromethane	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Trichlorotrifluoroethane	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
Vinyl chloride	ND	4.2	ug/Kg	02/22/13	H/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	02/22/13	H/J	70 - 130 %	
% Bromofluorobenzene	94		%	02/22/13	H/J	70 - 130 %	
% Dibromofluoromethane	96		%	02/22/13	H/J	70 - 130 %	
% Toluene-d8	95		%	02/22/13	H/J	70 - 130 %	
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
1,2-Diphenylhydrazine	ND	360	ug/Kg	02/22/13	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dichlorophenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dimethylphenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dinitrophenol	ND	580	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2-Chloronaphthalene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2-Chlorophenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2-Methylnaphthalene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2-Nitroaniline	ND	580	ug/Kg	02/22/13	DD	SW 8270	
2-Nitrophenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	02/22/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	250	ug/Kg	02/22/13	DD	SW 8270	
3-Nitroaniline	ND	580	ug/Kg	02/22/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	02/22/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	360	ug/Kg	02/22/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
4-Chloroaniline	ND	250	ug/Kg	02/22/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	02/22/13	DD	SW 8270	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B10-2-4 FT

Phoenix I.D.: BD38701

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND	580	ug/Kg	02/22/13	DD	SW 8270	
4-Nitrophenol	ND	1000	ug/Kg	02/22/13	DD	SW 8270	
Acenaphthene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Acenaphthylene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Acetophenone	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Aniline	ND	1000	ug/Kg	02/22/13	DD	SW 8270	
Anthracene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Benz(a)anthracene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Benzidine	ND	430	ug/Kg	02/22/13	DD	SW 8270	
Benzo(a)pyrene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Benzo(ghi)perylene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Benzoic acid	ND	1000	ug/Kg	02/22/13	DD	SW 8270	LO
Benzyl butyl phthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	360	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Carbazole	ND	540	ug/Kg	02/22/13	DD	SW 8270	
Chrysene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Dibenzofuran	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Diethyl phthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Dimethylphthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Di-n-butylphthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Di-n-octylphthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Fluoranthene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Fluorene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorobutadiene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Hexachloroethane	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Isophorone	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Naphthalene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Nitrobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodimethylamine	ND	360	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodiphenylamine	ND	360	ug/Kg	02/22/13	DD	SW 8270	
Pentachloronitrobenzene	ND	360	ug/Kg	02/22/13	DD	SW 8270	
Pentachlorophenol	ND	360	ug/Kg	02/22/13	DD	SW 8270	
Phenanthrene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Phenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Pyrene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Pyridine	ND	360	ug/Kg	02/22/13	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	82		%	02/22/13	DD	30 - 130 %	
% 2-Fluorobiphenyl	84		%	02/22/13	DD	30 - 130 %	
% 2-Fluorophenol	78		%	02/22/13	DD	30 - 130 %	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B10-2-4 FT

Phoenix I.D.: BD38701

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	79		%	02/22/13	DD	30 - 130 %
% Phenol-d5	74		%	02/22/13	DD	30 - 130 %
% Terphenyl-d14	110		%	02/22/13	DD	30 - 130 %

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

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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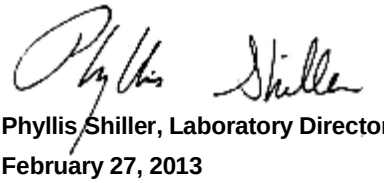

Phyllis Shiller, Laboratory Director
February 27, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 27, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		02/19/13	0:00
Location Code:	EBC	Received by:	SW	02/21/13	17:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD38697
Phoenix ID: BD38702

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B10-9-11 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	02/22/13	EK	SW6010
Aluminum	11000	53	mg/Kg	02/22/13	EK	SW6010
Arsenic	3.1	0.7	mg/Kg	02/22/13	EK	SW6010
Barium	40.2	0.35	mg/Kg	02/22/13	EK	SW6010
Beryllium	0.48	0.28	mg/Kg	02/22/13	EK	SW6010
Calcium	1100	53	mg/Kg	02/22/13	EK	SW6010
Cadmium	< 0.35	0.35	mg/Kg	02/22/13	EK	SW6010
Cobalt	8.13	0.35	mg/Kg	02/22/13	EK	SW6010
Chromium	18.7	0.35	mg/Kg	02/22/13	EK	SW6010
Copper	13.4	0.35	mg/kg	02/22/13	EK	SW6010
Iron	19900	53	mg/Kg	02/22/13	EK	SW6010
Mercury	< 0.07	0.07	mg/Kg	02/26/13	RS	SW-7471
Potassium	1120	53	mg/Kg	02/22/13	EK	SW6010
Magnesium	3140	53	mg/Kg	02/22/13	EK	SW6010
Manganese	320	3.5	mg/Kg	02/22/13	EK	SW6010
Sodium	53.4	5.3	mg/Kg	02/22/13	EK	SW6010
Nickel	29.0	0.35	mg/Kg	02/22/13	EK	SW6010
Lead	8.41	0.35	mg/Kg	02/22/13	EK	SW6010
Antimony	< 3.5	3.5	mg/Kg	02/22/13	EK	SW6010
Selenium	< 1.4	1.4	mg/Kg	02/22/13	EK	SW6010
Thallium	< 0.6	0.6	mg/Kg	02/22/13	EK	SW6010
Vanadium	25.4	0.35	mg/Kg	02/22/13	EK	SW6010
Zinc	31.2	0.35	mg/Kg	02/22/13	EK	SW6010
Percent Solid	85		%	02/21/13	JL	E160.3
Total Cyanide	< 0.49	0.49	mg/Kg	02/24/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			02/21/13	BB	SW3545
Soil Extraction for Pesticide	Completed			02/21/13	BB/V	SW3545
Soil Extraction for SVOA	Completed			02/21/13	BJ/V	SW3545

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B10-9-11 FT

Phoenix I.D.: BD38702

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			02/25/13	X/X	SW7471	
Total Metals Digest	Completed			02/21/13	AG	SW846 - 3050	
Field Extraction	Completed			02/19/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	380	ug/Kg	02/22/13	AW	SW 8082	
PCB-1221	ND	380	ug/Kg	02/22/13	AW	SW 8082	
PCB-1232	ND	380	ug/Kg	02/22/13	AW	SW 8082	
PCB-1242	ND	380	ug/Kg	02/22/13	AW	SW 8082	
PCB-1248	ND	380	ug/Kg	02/22/13	AW	SW 8082	
PCB-1254	ND	380	ug/Kg	02/22/13	AW	SW 8082	
PCB-1260	ND	380	ug/Kg	02/22/13	AW	SW 8082	
PCB-1262	ND	380	ug/Kg	02/22/13	AW	SW 8082	
PCB-1268	ND	380	ug/Kg	02/22/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	98		%	02/22/13	AW	30 - 150 %	
% TCMX	36		%	02/22/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	37	ug/Kg	02/25/13	MH	SW8081	
4,4' -DDE	ND	37	ug/Kg	02/25/13	MH	SW8081	
4,4' -DDT	ND	37	ug/Kg	02/25/13	MH	SW8081	
a-BHC	ND	18	ug/Kg	02/25/13	MH	SW8081	
Alachlor	ND	18	ug/Kg	02/25/13	MH	SW8081	1
Aldrin	ND	5.8	ug/Kg	02/25/13	MH	SW8081	
b-BHC	ND	18	ug/Kg	02/25/13	MH	SW8081	
Chlordane	ND	58	ug/Kg	02/25/13	MH	SW8081	
d-BHC	ND	18	ug/Kg	02/25/13	MH	SW8081	
Dieldrin	ND	5.8	ug/Kg	02/25/13	MH	SW8081	
Endosulfan I	ND	18	ug/Kg	02/25/13	MH	SW8081	
Endosulfan II	ND	37	ug/Kg	02/25/13	MH	SW8081	
Endosulfan sulfate	ND	37	ug/Kg	02/25/13	MH	SW8081	
Endrin	ND	37	ug/Kg	02/25/13	MH	SW8081	
Endrin aldehyde	ND	37	ug/Kg	02/25/13	MH	SW8081	
Endrin ketone	ND	37	ug/Kg	02/25/13	MH	SW8081	
g-BHC	ND	5.8	ug/Kg	02/25/13	MH	SW8081	
Heptachlor	ND	12	ug/Kg	02/25/13	MH	SW8081	
Heptachlor epoxide	ND	18	ug/Kg	02/25/13	MH	SW8081	
Methoxychlor	ND	180	ug/Kg	02/25/13	MH	SW8081	
Toxaphene	ND	180	ug/Kg	02/25/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	72		%	02/25/13	MH	30 - 150 %	
% TCMX	79		%	02/25/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
1,1,1-Trichloroethane	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	3.1	ug/Kg	02/22/13	H/J	SW8260	
1,1,2-Trichloroethane	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
1,1-Dichloroethane	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B10-9-11 FT

Phoenix I.D.: BD38702

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
1,1-Dichloropropene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
1,2,3-Trichloropropane	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dibromoethane	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	LP
1,2-Dichlorobenzene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dichloroethane	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dichloropropane	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
1,3-Dichlorobenzene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
1,3-Dichloropropane	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
1,4-Dichlorobenzene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
2,2-Dichloropropane	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
2-Chlorotoluene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
2-Hexanone	ND	26	ug/Kg	02/22/13	H/J	SW8260	
2-Isopropyltoluene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	1
4-Chlorotoluene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
4-Methyl-2-pentanone	ND	26	ug/Kg	02/22/13	H/J	SW8260	
Acetone	ND	100	ug/Kg	02/22/13	H/J	SW8260	
Acrylonitrile	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Benzene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Bromobenzene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Bromochloromethane	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Bromodichloromethane	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Bromoform	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Bromomethane	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Carbon Disulfide	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Carbon tetrachloride	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Chlorobenzene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Chloroethane	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Chloroform	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Chloromethane	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
cis-1,3-Dichloropropene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	1
Dibromochloromethane	ND	3.1	ug/Kg	02/22/13	H/J	SW8260	
Dibromomethane	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Dichlorodifluoromethane	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Ethylbenzene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Hexachlorobutadiene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Isopropylbenzene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
m&p-Xylene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Methyl Ethyl Ketone	ND	31	ug/Kg	02/22/13	H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	02/22/13	H/J	SW8260	
Methylene chloride	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Naphthalene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
n-Butylbenzene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
n-Propylbenzene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
p-Isopropyltoluene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
sec-Butylbenzene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Styrene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
tert-Butylbenzene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Tetrachloroethene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Tetrahydrofuran (THF)	ND	10	ug/Kg	02/22/13	H/J	SW8260	1
Toluene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Total Xylenes	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
trans-1,3-Dichloropropene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	02/22/13	H/J	SW8260	
Trichloroethene	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Trichlorofluoromethane	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Trichlorotrifluoroethane	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
Vinyl chloride	ND	5.2	ug/Kg	02/22/13	H/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	02/22/13	H/J	70 - 130 %	
% Bromofluorobenzene	94		%	02/22/13	H/J	70 - 130 %	
% Dibromofluoromethane	97		%	02/22/13	H/J	70 - 130 %	
% Toluene-d8	96		%	02/22/13	H/J	70 - 130 %	
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
1,2-Dichlorobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
1,2-Diphenylhydrazine	ND	380	ug/Kg	02/22/13	DD	SW 8270	
1,3-Dichlorobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
1,4-Dichlorobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dichlorophenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dimethylphenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dinitrophenol	ND	610	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2-Chloronaphthalene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2-Chlorophenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2-Methylnaphthalene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	270	ug/Kg	02/22/13	DD	SW 8270	
2-Nitroaniline	ND	610	ug/Kg	02/22/13	DD	SW 8270	
2-Nitrophenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	02/22/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	270	ug/Kg	02/22/13	DD	SW 8270	
3-Nitroaniline	ND	610	ug/Kg	02/22/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	02/22/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	380	ug/Kg	02/22/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
4-Chloroaniline	ND	270	ug/Kg	02/22/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	02/22/13	DD	SW 8270	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND	610	ug/Kg	02/22/13	DD	SW 8270	
4-Nitrophenol	ND	1100	ug/Kg	02/22/13	DD	SW 8270	
Acenaphthene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Acenaphthylene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Acetophenone	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Aniline	ND	1100	ug/Kg	02/22/13	DD	SW 8270	
Anthracene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Benz(a)anthracene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Benzidine	ND	460	ug/Kg	02/22/13	DD	SW 8270	
Benzo(a)pyrene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Benzo(ghi)perylene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	02/22/13	DD	SW 8270	LO
Benzyl butyl phthalate	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	380	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Carbazole	ND	580	ug/Kg	02/22/13	DD	SW 8270	
Chrysene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Dibenzofuran	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Diethyl phthalate	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Dimethylphthalate	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Di-n-butylphthalate	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Di-n-octylphthalate	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Fluoranthene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Fluorene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorobutadiene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorocyclopentadiene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Hexachloroethane	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Isophorone	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Naphthalene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Nitrobenzene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodimethylamine	ND	380	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodiphenylamine	ND	380	ug/Kg	02/22/13	DD	SW 8270	
Pentachloronitrobenzene	ND	380	ug/Kg	02/22/13	DD	SW 8270	
Pentachlorophenol	ND	380	ug/Kg	02/22/13	DD	SW 8270	
Phenanthrene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Phenol	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Pyrene	ND	270	ug/Kg	02/22/13	DD	SW 8270	
Pyridine	ND	380	ug/Kg	02/22/13	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	79		%	02/22/13	DD	30 - 130 %	
% 2-Fluorobiphenyl	85		%	02/22/13	DD	30 - 130 %	
% 2-Fluorophenol	75		%	02/22/13	DD	30 - 130 %	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B10-9-11 FT

Phoenix I.D.: BD38702

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	77		%	02/22/13	DD	30 - 130 %
% Phenol-d5	74		%	02/22/13	DD	30 - 130 %
% Terphenyl-d14	118		%	02/22/13	DD	30 - 130 %

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

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 27, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 27, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		02/19/13	0:00
Location Code:	EBC	Received by:	SW	02/21/13	17:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD38697
Phoenix ID: BD38703

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B11-0-2 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	02/22/13	EK	SW6010
Aluminum	7160	56	mg/Kg	02/22/13	EK	SW6010
Arsenic	4.5	0.8	mg/Kg	02/22/13	EK	SW6010
Barium	46.9	0.38	mg/Kg	02/22/13	EK	SW6010
Beryllium	0.38	0.30	mg/Kg	02/22/13	EK	SW6010
Calcium	2320	5.6	mg/Kg	02/22/13	EK	SW6010
Cadmium	< 0.38	0.38	mg/Kg	02/22/13	EK	SW6010
Cobalt	6.37	0.38	mg/Kg	02/22/13	EK	SW6010
Chromium	14.8	0.38	mg/Kg	02/22/13	EK	SW6010
Copper	18.7	0.38	mg/kg	02/22/13	EK	SW6010
Iron	29100	56	mg/Kg	02/22/13	EK	SW6010
Mercury	0.08	0.07	mg/Kg	02/26/13	RS	SW-7471
Potassium	1020	56	mg/Kg	02/22/13	EK	SW6010
Magnesium	2590	56	mg/Kg	02/22/13	EK	SW6010
Manganese	311	3.8	mg/Kg	02/22/13	EK	SW6010
Sodium	187	5.6	mg/Kg	02/22/13	EK	SW6010
Nickel	22.3	0.38	mg/Kg	02/22/13	EK	SW6010
Lead	40.1	0.38	mg/Kg	02/22/13	EK	SW6010
Antimony	< 3.8	3.8	mg/Kg	02/22/13	EK	SW6010
Selenium	< 1.5	1.5	mg/Kg	02/22/13	EK	SW6010
Thallium	< 0.6	0.6	mg/Kg	02/22/13	EK	SW6010
Vanadium	20.9	0.38	mg/Kg	02/22/13	EK	SW6010
Zinc	38.8	0.38	mg/Kg	02/22/13	EK	SW6010
Percent Solid	91		%	02/21/13	JL	E160.3
Total Cyanide	< 0.55	0.55	mg/Kg	02/24/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			02/21/13	BB	SW3545
Soil Extraction for Pesticide	Completed			02/21/13	BB/V	SW3545
Soil Extraction for SVOA	Completed			02/21/13	BJ/V	SW3545

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B11-0-2 FT

Phoenix I.D.: BD38703

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			02/25/13	X/X	SW7471	
Total Metals Digest	Completed			02/21/13	AG	SW846 - 3050	
Field Extraction	Completed			02/19/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1221	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1232	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1242	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1248	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1254	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1260	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1262	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1268	ND	360	ug/Kg	02/22/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	101		%	02/22/13	AW	30 - 150 %	
% TCMX	38		%	02/22/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	34	ug/Kg	02/25/13	MH	SW8081	
4,4' -DDE	ND	34	ug/Kg	02/25/13	MH	SW8081	
4,4' -DDT	ND	34	ug/Kg	02/25/13	MH	SW8081	
a-BHC	ND	17	ug/Kg	02/25/13	MH	SW8081	
Alachlor	ND	17	ug/Kg	02/25/13	MH	SW8081	1
Aldrin	ND	5.4	ug/Kg	02/25/13	MH	SW8081	
b-BHC	ND	17	ug/Kg	02/25/13	MH	SW8081	
Chlordane	ND	54	ug/Kg	02/25/13	MH	SW8081	
d-BHC	ND	17	ug/Kg	02/25/13	MH	SW8081	
Dieldrin	ND	5.4	ug/Kg	02/25/13	MH	SW8081	
Endosulfan I	ND	17	ug/Kg	02/25/13	MH	SW8081	
Endosulfan II	ND	34	ug/Kg	02/25/13	MH	SW8081	
Endosulfan sulfate	ND	34	ug/Kg	02/25/13	MH	SW8081	
Endrin	ND	34	ug/Kg	02/25/13	MH	SW8081	
Endrin aldehyde	ND	34	ug/Kg	02/25/13	MH	SW8081	
Endrin ketone	ND	34	ug/Kg	02/25/13	MH	SW8081	
g-BHC	ND	5.4	ug/Kg	02/25/13	MH	SW8081	
Heptachlor	ND	11	ug/Kg	02/25/13	MH	SW8081	
Heptachlor epoxide	ND	17	ug/Kg	02/25/13	MH	SW8081	
Methoxychlor	ND	170	ug/Kg	02/25/13	MH	SW8081	
Toxaphene	ND	170	ug/Kg	02/25/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	74		%	02/25/13	MH	30 - 150 %	
% TCMX	85		%	02/25/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	02/22/13	H/J	SW8260	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
1,1-Dichloroethane	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B11-0-2 FT

Phoenix I.D.: BD38703

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
1,1-Dichloropropene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
1,2,3-Trichloropropane	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dibromoethane	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	LP
1,2-Dichlorobenzene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dichloroethane	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dichloropropane	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
1,3-Dichloropropane	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
2,2-Dichloropropane	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
2-Chlorotoluene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
2-Hexanone	ND	25	ug/Kg	02/22/13	H/J	SW8260	
2-Isopropyltoluene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	1
4-Chlorotoluene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
4-Methyl-2-pentanone	ND	25	ug/Kg	02/22/13	H/J	SW8260	
Acetone	ND	100	ug/Kg	02/22/13	H/J	SW8260	
Acrylonitrile	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Benzene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Bromobenzene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Bromochloromethane	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Bromodichloromethane	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Bromoform	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Bromomethane	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Carbon Disulfide	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Carbon tetrachloride	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Chlorobenzene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Chloroethane	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Chloroform	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Chloromethane	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	1
Dibromochloromethane	ND	3.0	ug/Kg	02/22/13	H/J	SW8260	
Dibromomethane	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Dichlorodifluoromethane	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Ethylbenzene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Hexachlorobutadiene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Isopropylbenzene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
m&p-Xylene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Methyl Ethyl Ketone	ND	30	ug/Kg	02/22/13	H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	02/22/13	H/J	SW8260	
Methylene chloride	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Naphthalene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
n-Butylbenzene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
n-Propylbenzene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
p-Isopropyltoluene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
sec-Butylbenzene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Styrene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
tert-Butylbenzene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Tetrachloroethene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Tetrahydrofuran (THF)	ND	10	ug/Kg	02/22/13	H/J	SW8260	1
Toluene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Total Xylenes	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	02/22/13	H/J	SW8260	
Trichloroethene	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Trichlorofluoromethane	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
Vinyl chloride	ND	5.0	ug/Kg	02/22/13	H/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	02/22/13	H/J	70 - 130 %	
% Bromofluorobenzene	92		%	02/22/13	H/J	70 - 130 %	
% Dibromofluoromethane	84		%	02/22/13	H/J	70 - 130 %	
% Toluene-d8	94		%	02/22/13	H/J	70 - 130 %	
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
1,2-Diphenylhydrazine	ND	360	ug/Kg	02/22/13	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dichlorophenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dimethylphenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dinitrophenol	ND	580	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2-Chloronaphthalene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2-Chlorophenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2-Methylnaphthalene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2-Nitroaniline	ND	580	ug/Kg	02/22/13	DD	SW 8270	
2-Nitrophenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	02/22/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	250	ug/Kg	02/22/13	DD	SW 8270	
3-Nitroaniline	ND	580	ug/Kg	02/22/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	02/22/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	360	ug/Kg	02/22/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
4-Chloroaniline	ND	250	ug/Kg	02/22/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	02/22/13	DD	SW 8270	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B11-0-2 FT

Phoenix I.D.: BD38703

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND	580	ug/Kg	02/22/13	DD	SW 8270	
4-Nitrophenol	ND	1000	ug/Kg	02/22/13	DD	SW 8270	
Acenaphthene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Acenaphthylene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Acetophenone	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Aniline	ND	1000	ug/Kg	02/22/13	DD	SW 8270	
Anthracene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Benz(a)anthracene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Benzidine	ND	430	ug/Kg	02/22/13	DD	SW 8270	
Benzo(a)pyrene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Benzo(ghi)perylene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Benzoic acid	ND	1000	ug/Kg	02/22/13	DD	SW 8270	LO
Benzyl butyl phthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	360	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Carbazole	ND	540	ug/Kg	02/22/13	DD	SW 8270	
Chrysene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Dibenzofuran	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Diethyl phthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Dimethylphthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Di-n-butylphthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Di-n-octylphthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Fluoranthene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Fluorene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorobutadiene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Hexachloroethane	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Isophorone	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Naphthalene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Nitrobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodimethylamine	ND	360	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodiphenylamine	ND	360	ug/Kg	02/22/13	DD	SW 8270	
Pentachloronitrobenzene	ND	360	ug/Kg	02/22/13	DD	SW 8270	
Pentachlorophenol	ND	360	ug/Kg	02/22/13	DD	SW 8270	
Phenanthrene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Phenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Pyrene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Pyridine	ND	360	ug/Kg	02/22/13	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	77		%	02/22/13	DD	30 - 130 %	
% 2-Fluorobiphenyl	87		%	02/22/13	DD	30 - 130 %	
% 2-Fluorophenol	73		%	02/22/13	DD	30 - 130 %	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B11-0-2 FT

Phoenix I.D.: BD38703

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	78		%	02/22/13	DD	30 - 130 %
% Phenol-d5	72		%	02/22/13	DD	30 - 130 %
% Terphenyl-d14	124		%	02/22/13	DD	30 - 130 %

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

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 27, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 27, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		02/19/13	0:00
Location Code:	EBC	Received by:	SW	02/21/13	17:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD38697
Phoenix ID: BD38704

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B11-9-11 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	02/22/13	EK	SW6010
Aluminum	7370	55	mg/Kg	02/22/13	EK	SW6010
Arsenic	2.3	0.7	mg/Kg	02/22/13	EK	SW6010
Barium	44.6	0.36	mg/Kg	02/22/13	EK	SW6010
Beryllium	0.45	0.29	mg/Kg	02/22/13	EK	SW6010
Calcium	1520	5.5	mg/Kg	02/22/13	EK	SW6010
Cadmium	< 0.36	0.36	mg/Kg	02/22/13	EK	SW6010
Cobalt	7.80	0.36	mg/Kg	02/22/13	EK	SW6010
Chromium	18.1	0.36	mg/Kg	02/22/13	EK	SW6010
Copper	16.9	0.36	mg/kg	02/22/13	EK	SW6010
Iron	16400	55	mg/Kg	02/22/13	EK	SW6010
Mercury	< 0.09	0.09	mg/Kg	02/26/13	RS	SW-7471
Potassium	1300	55	mg/Kg	02/22/13	EK	SW6010
Magnesium	2930	55	mg/Kg	02/22/13	EK	SW6010
Manganese	346	3.6	mg/Kg	02/22/13	EK	SW6010
Sodium	96.7	5.5	mg/Kg	02/22/13	EK	SW6010
Nickel	34.6	0.36	mg/Kg	02/22/13	EK	SW6010
Lead	8.56	0.36	mg/Kg	02/22/13	EK	SW6010
Antimony	< 3.6	3.6	mg/Kg	02/22/13	EK	SW6010
Selenium	< 1.5	1.5	mg/Kg	02/22/13	EK	SW6010
Thallium	< 0.6	0.6	mg/Kg	02/22/13	EK	SW6010
Vanadium	23.4	0.36	mg/Kg	02/22/13	EK	SW6010
Zinc	37.3	0.36	mg/Kg	02/22/13	EK	SW6010
Percent Solid	89		%	02/21/13	JL	E160.3
Total Cyanide	< 0.51	0.51	mg/Kg	02/24/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			02/21/13	BB	SW3545
Soil Extraction for Pesticide	Completed			02/21/13	BB/V	SW3545
Soil Extraction for SVOA	Completed			02/21/13	BJ/V	SW3545

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			02/25/13	X/X	SW7471	
Total Metals Digest	Completed			02/21/13	AG	SW846 - 3050	
Field Extraction	Completed			02/19/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1221	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1232	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1242	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1248	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1254	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1260	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1262	ND	360	ug/Kg	02/22/13	AW	SW 8082	
PCB-1268	ND	360	ug/Kg	02/22/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	106		%	02/22/13	AW	30 - 150 %	
% TCMX	37		%	02/22/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	35	ug/Kg	02/25/13	MH	SW8081	
4,4' -DDE	ND	35	ug/Kg	02/25/13	MH	SW8081	
4,4' -DDT	ND	35	ug/Kg	02/25/13	MH	SW8081	
a-BHC	ND	18	ug/Kg	02/25/13	MH	SW8081	
Alachlor	ND	18	ug/Kg	02/25/13	MH	SW8081	1
Aldrin	ND	5.5	ug/Kg	02/25/13	MH	SW8081	
b-BHC	ND	18	ug/Kg	02/25/13	MH	SW8081	
Chlordane	ND	55	ug/Kg	02/25/13	MH	SW8081	
d-BHC	ND	18	ug/Kg	02/25/13	MH	SW8081	
Dieldrin	ND	5.5	ug/Kg	02/25/13	MH	SW8081	
Endosulfan I	ND	18	ug/Kg	02/25/13	MH	SW8081	
Endosulfan II	ND	35	ug/Kg	02/25/13	MH	SW8081	
Endosulfan sulfate	ND	35	ug/Kg	02/25/13	MH	SW8081	
Endrin	ND	35	ug/Kg	02/25/13	MH	SW8081	
Endrin aldehyde	ND	35	ug/Kg	02/25/13	MH	SW8081	
Endrin ketone	ND	35	ug/Kg	02/25/13	MH	SW8081	
g-BHC	ND	5.5	ug/Kg	02/25/13	MH	SW8081	
Heptachlor	ND	11	ug/Kg	02/25/13	MH	SW8081	
Heptachlor epoxide	ND	18	ug/Kg	02/25/13	MH	SW8081	
Methoxychlor	ND	180	ug/Kg	02/25/13	MH	SW8081	
Toxaphene	ND	180	ug/Kg	02/25/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	74		%	02/25/13	MH	30 - 150 %	
% TCMX	86		%	02/25/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	290	ug/Kg	02/23/13	H/J	SW8260	
1,1,1-Trichloroethane	ND	290	ug/Kg	02/23/13	H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	290	ug/Kg	02/23/13	H/J	SW8260	
1,1,2-Trichloroethane	ND	290	ug/Kg	02/23/13	H/J	SW8260	
1,1-Dichloroethane	ND	290	ug/Kg	02/23/13	H/J	SW8260	

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Client ID: B11-9-11 FT

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
1,1-Dichloropropene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
1,2,3-Trichlorobenzene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
1,2,3-Trichloropropane	ND	290	ug/Kg	02/23/13	H/J	SW8260	
1,2,4-Trichlorobenzene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
1,2,4-Trimethylbenzene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	290	ug/Kg	02/23/13	H/J	SW8260	
1,2-Dibromoethane	ND	290	ug/Kg	02/23/13	H/J	SW8260	LP
1,2-Dichlorobenzene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
1,2-Dichloroethane	ND	290	ug/Kg	02/23/13	H/J	SW8260	
1,2-Dichloropropane	ND	290	ug/Kg	02/23/13	H/J	SW8260	
1,3,5-Trimethylbenzene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
1,3-Dichlorobenzene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
1,3-Dichloropropane	ND	290	ug/Kg	02/23/13	H/J	SW8260	
1,4-Dichlorobenzene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
2,2-Dichloropropane	ND	290	ug/Kg	02/23/13	H/J	SW8260	
2-Chlorotoluene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
2-Hexanone	ND	1500	ug/Kg	02/23/13	H/J	SW8260	
2-Isopropyltoluene	ND	290	ug/Kg	02/23/13	H/J	SW8260	1
4-Chlorotoluene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
4-Methyl-2-pentanone	ND	1500	ug/Kg	02/23/13	H/J	SW8260	
Acetone	ND	5800	ug/Kg	02/23/13	H/J	SW8260	
Acrylonitrile	ND	580	ug/Kg	02/23/13	H/J	SW8260	
Benzene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Bromobenzene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Bromochloromethane	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Bromodichloromethane	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Bromoform	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Bromomethane	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Carbon Disulfide	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Carbon tetrachloride	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Chlorobenzene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Chloroethane	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Chloroform	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Chloromethane	ND	290	ug/Kg	02/23/13	H/J	SW8260	
cis-1,2-Dichloroethene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
cis-1,3-Dichloropropene	ND	290	ug/Kg	02/23/13	H/J	SW8260	1
Dibromochloromethane	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Dibromomethane	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Dichlorodifluoromethane	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Ethylbenzene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Hexachlorobutadiene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Isopropylbenzene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
m&p-Xylene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Methyl Ethyl Ketone	ND	3500	ug/Kg	02/23/13	H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Methylene chloride	ND	580	ug/Kg	02/23/13	H/J	SW8260	
Naphthalene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
n-Butylbenzene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
n-Propylbenzene	ND	290	ug/Kg	02/23/13	H/J	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
o-Xylene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
p-Isopropyltoluene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
sec-Butylbenzene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Styrene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
tert-Butylbenzene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Tetrachloroethene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Tetrahydrofuran (THF)	ND	580	ug/Kg	02/23/13	H/J	SW8260	1
Toluene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Total Xylenes	ND	290	ug/Kg	02/23/13	H/J	SW8260	
trans-1,2-Dichloroethene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
trans-1,3-Dichloropropene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	580	ug/Kg	02/23/13	H/J	SW8260	
Trichloroethene	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Trichlorofluoromethane	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Trichlorotrifluoroethane	ND	290	ug/Kg	02/23/13	H/J	SW8260	
Vinyl chloride	ND	290	ug/Kg	02/23/13	H/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	02/23/13	H/J	70 - 130 %	
% Bromofluorobenzene	94		%	02/23/13	H/J	70 - 130 %	
% Dibromofluoromethane	100		%	02/23/13	H/J	70 - 130 %	
% Toluene-d8	95		%	02/23/13	H/J	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	02/22/13	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	ug/Kg	02/22/13	DD	SW 8270
1,2-Dichlorobenzene	ND	260	ug/Kg	02/22/13	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	ug/Kg	02/22/13	DD	SW 8270
1,3-Dichlorobenzene	ND	260	ug/Kg	02/22/13	DD	SW 8270
1,4-Dichlorobenzene	ND	260	ug/Kg	02/22/13	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	ug/Kg	02/22/13	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	ug/Kg	02/22/13	DD	SW 8270
2,4-Dichlorophenol	ND	260	ug/Kg	02/22/13	DD	SW 8270
2,4-Dimethylphenol	ND	260	ug/Kg	02/22/13	DD	SW 8270
2,4-Dinitrophenol	ND	590	ug/Kg	02/22/13	DD	SW 8270
2,4-Dinitrotoluene	ND	260	ug/Kg	02/22/13	DD	SW 8270
2,6-Dinitrotoluene	ND	260	ug/Kg	02/22/13	DD	SW 8270
2-Chloronaphthalene	ND	260	ug/Kg	02/22/13	DD	SW 8270
2-Chlorophenol	ND	260	ug/Kg	02/22/13	DD	SW 8270
2-Methylnaphthalene	ND	260	ug/Kg	02/22/13	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	ug/Kg	02/22/13	DD	SW 8270
2-Nitroaniline	ND	590	ug/Kg	02/22/13	DD	SW 8270
2-Nitrophenol	ND	260	ug/Kg	02/22/13	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	02/22/13	DD	SW 8270
3,3'-Dichlorobenzidine	ND	260	ug/Kg	02/22/13	DD	SW 8270
3-Nitroaniline	ND	590	ug/Kg	02/22/13	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	02/22/13	DD	SW 8270
4-Bromophenyl phenyl ether	ND	370	ug/Kg	02/22/13	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	ug/Kg	02/22/13	DD	SW 8270
4-Chloroaniline	ND	260	ug/Kg	02/22/13	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	02/22/13	DD	SW 8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND	590	ug/Kg	02/22/13	DD	SW 8270	
4-Nitrophenol	ND	1100	ug/Kg	02/22/13	DD	SW 8270	
Acenaphthene	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Acenaphthylene	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Acetophenone	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Aniline	ND	1100	ug/Kg	02/22/13	DD	SW 8270	
Anthracene	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Benz(a)anthracene	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Benzidine	ND	450	ug/Kg	02/22/13	DD	SW 8270	
Benzo(a)pyrene	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Benzo(ghi)perylene	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	02/22/13	DD	SW 8270	LO
Benzyl butyl phthalate	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	370	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Carbazole	ND	560	ug/Kg	02/22/13	DD	SW 8270	
Chrysene	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Dibenzofuran	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Diethyl phthalate	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Dimethylphthalate	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Di-n-butylphthalate	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Di-n-octylphthalate	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Fluoranthene	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Fluorene	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorobenzene	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorobutadiene	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Hexachloroethane	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Isophorone	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Naphthalene	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Nitrobenzene	ND	260	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodimethylamine	ND	370	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodiphenylamine	ND	370	ug/Kg	02/22/13	DD	SW 8270	
Pentachloronitrobenzene	ND	370	ug/Kg	02/22/13	DD	SW 8270	
Pentachlorophenol	ND	370	ug/Kg	02/22/13	DD	SW 8270	
Phenanthrene	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Phenol	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Pyrene	ND	260	ug/Kg	02/22/13	DD	SW 8270	
Pyridine	ND	370	ug/Kg	02/22/13	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	80		%	02/22/13	DD	30 - 130 %	
% 2-Fluorobiphenyl	85		%	02/22/13	DD	30 - 130 %	
% 2-Fluorophenol	77		%	02/22/13	DD	30 - 130 %	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: B11-9-11 FT

Phoenix I.D.: BD38704

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	81		%	02/22/13	DD	30 - 130 %
% Phenol-d5	76		%	02/22/13	DD	30 - 130 %
% Terphenyl-d14	120		%	02/22/13	DD	30 - 130 %

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

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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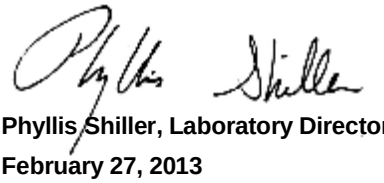

Phyllis Shiller, Laboratory Director
February 27, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 27, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		02/19/13	0:00
Location Code:	EBC	Received by:	SW	02/21/13	17:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD38697
Phoenix ID: BD38705

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: DUPLICATE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	02/22/13	EK	SW6010
Aluminum	8350	53	mg/Kg	02/22/13	EK	SW6010
Arsenic	2.1	0.7	mg/Kg	02/22/13	EK	SW6010
Barium	38.8	0.35	mg/Kg	02/22/13	EK	SW6010
Beryllium	0.49	0.28	mg/Kg	02/22/13	EK	SW6010
Calcium	1440	5.3	mg/Kg	02/22/13	EK	SW6010
Cadmium	< 0.35	0.35	mg/Kg	02/22/13	EK	SW6010
Cobalt	6.91	0.35	mg/Kg	02/22/13	EK	SW6010
Chromium	17.9	0.35	mg/Kg	02/22/13	EK	SW6010
Copper	15.3	0.35	mg/kg	02/22/13	EK	SW6010
Iron	17300	53	mg/Kg	02/22/13	EK	SW6010
Mercury	< 0.06	0.06	mg/Kg	02/26/13	RS	SW-7471
Potassium	1390	53	mg/Kg	02/22/13	EK	SW6010
Magnesium	3190	53	mg/Kg	02/22/13	EK	SW6010
Manganese	292	3.5	mg/Kg	02/22/13	EK	SW6010
Sodium	117	5.3	mg/Kg	02/22/13	EK	SW6010
Nickel	37.0	0.35	mg/Kg	02/22/13	EK	SW6010
Lead	7.25	0.35	mg/Kg	02/22/13	EK	SW6010
Antimony	< 3.5	3.5	mg/Kg	02/22/13	EK	SW6010
Selenium	< 1.4	1.4	mg/Kg	02/22/13	EK	SW6010
Thallium	< 0.6	0.6	mg/Kg	02/22/13	EK	SW6010
Vanadium	25.7	0.35	mg/Kg	02/22/13	EK	SW6010
Zinc	36.0	0.35	mg/Kg	02/22/13	EK	SW6010
Percent Solid	90		%	02/21/13	JL	E160.3
Total Cyanide	< 0.56	0.56	mg/Kg	02/24/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			02/21/13	BB	SW3545
Soil Extraction for Pesticide	Completed			02/21/13	BB/V	SW3545
Soil Extraction for SVOA	Completed			02/21/13	BJ/V	SW3545

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: DUPLICATE

Phoenix I.D.: BD38705

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			02/25/13	X/X	SW7471	
Total Metals Digest	Completed			02/21/13	AG	SW846 - 3050	
Field Extraction	Completed			02/19/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	370	ug/Kg	02/22/13	AW	SW 8082	
PCB-1221	ND	370	ug/Kg	02/22/13	AW	SW 8082	
PCB-1232	ND	370	ug/Kg	02/22/13	AW	SW 8082	
PCB-1242	ND	370	ug/Kg	02/22/13	AW	SW 8082	
PCB-1248	ND	370	ug/Kg	02/22/13	AW	SW 8082	
PCB-1254	ND	370	ug/Kg	02/22/13	AW	SW 8082	
PCB-1260	ND	370	ug/Kg	02/22/13	AW	SW 8082	
PCB-1262	ND	370	ug/Kg	02/22/13	AW	SW 8082	
PCB-1268	ND	370	ug/Kg	02/22/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	102		%	02/22/13	AW	30 - 150 %	
% TCMX	37		%	02/22/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	35	ug/Kg	02/25/13	MH	SW8081	
4,4' -DDE	ND	35	ug/Kg	02/25/13	MH	SW8081	
4,4' -DDT	ND	35	ug/Kg	02/25/13	MH	SW8081	
a-BHC	ND	18	ug/Kg	02/25/13	MH	SW8081	
Alachlor	ND	18	ug/Kg	02/25/13	MH	SW8081	1
Aldrin	ND	5.5	ug/Kg	02/25/13	MH	SW8081	
b-BHC	ND	18	ug/Kg	02/25/13	MH	SW8081	
Chlordane	ND	55	ug/Kg	02/25/13	MH	SW8081	
d-BHC	ND	18	ug/Kg	02/25/13	MH	SW8081	
Dieldrin	ND	5.5	ug/Kg	02/25/13	MH	SW8081	
Endosulfan I	ND	18	ug/Kg	02/25/13	MH	SW8081	
Endosulfan II	ND	35	ug/Kg	02/25/13	MH	SW8081	
Endosulfan sulfate	ND	35	ug/Kg	02/25/13	MH	SW8081	
Endrin	ND	35	ug/Kg	02/25/13	MH	SW8081	
Endrin aldehyde	ND	35	ug/Kg	02/25/13	MH	SW8081	
Endrin ketone	ND	35	ug/Kg	02/25/13	MH	SW8081	
g-BHC	ND	5.5	ug/Kg	02/25/13	MH	SW8081	
Heptachlor	ND	11	ug/Kg	02/25/13	MH	SW8081	
Heptachlor epoxide	ND	18	ug/Kg	02/25/13	MH	SW8081	
Methoxychlor	ND	180	ug/Kg	02/25/13	MH	SW8081	
Toxaphene	ND	180	ug/Kg	02/25/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	71		%	02/25/13	MH	30 - 150 %	
% TCMX	82		%	02/25/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
1,1,1-Trichloroethane	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	2.9	ug/Kg	02/22/13	H/J	SW8260	
1,1,2-Trichloroethane	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
1,1-Dichloroethane	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: DUPLICATE

Phoenix I.D.: BD38705

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
1,1-Dichloropropene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
1,2,3-Trichlorobenzene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
1,2,3-Trichloropropane	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
1,2,4-Trichlorobenzene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
1,2,4-Trimethylbenzene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dibromoethane	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	LP
1,2-Dichlorobenzene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dichloroethane	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
1,2-Dichloropropane	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
1,3,5-Trimethylbenzene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
1,3-Dichlorobenzene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
1,3-Dichloropropane	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
1,4-Dichlorobenzene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
2,2-Dichloropropane	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
2-Chlorotoluene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
2-Hexanone	ND	24	ug/Kg	02/22/13	H/J	SW8260	
2-Isopropyltoluene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	1
4-Chlorotoluene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
4-Methyl-2-pentanone	ND	24	ug/Kg	02/22/13	H/J	SW8260	
Acetone	ND	98	ug/Kg	02/22/13	H/J	SW8260	
Acrylonitrile	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Benzene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Bromobenzene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Bromochloromethane	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Bromodichloromethane	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Bromoform	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Bromomethane	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Carbon Disulfide	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Carbon tetrachloride	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Chlorobenzene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Chloroethane	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Chloroform	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Chloromethane	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
cis-1,2-Dichloroethene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
cis-1,3-Dichloropropene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	1
Dibromochloromethane	ND	2.9	ug/Kg	02/22/13	H/J	SW8260	
Dibromomethane	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Dichlorodifluoromethane	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Ethylbenzene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Hexachlorobutadiene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Isopropylbenzene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
m&p-Xylene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Methyl Ethyl Ketone	ND	29	ug/Kg	02/22/13	H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	9.8	ug/Kg	02/22/13	H/J	SW8260	
Methylene chloride	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Naphthalene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
n-Butylbenzene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
n-Propylbenzene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
o-Xylene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
p-Isopropyltoluene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
sec-Butylbenzene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Styrene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
tert-Butylbenzene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Tetrachloroethene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Tetrahydrofuran (THF)	ND	9.8	ug/Kg	02/22/13	H/J	SW8260	1
Toluene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Total Xylenes	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
trans-1,2-Dichloroethene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
trans-1,3-Dichloropropene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	9.8	ug/Kg	02/22/13	H/J	SW8260	
Trichloroethene	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Trichlorofluoromethane	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Trichlorotrifluoroethane	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
Vinyl chloride	ND	4.9	ug/Kg	02/22/13	H/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	02/22/13	H/J	70 - 130 %	
% Bromofluorobenzene	96		%	02/22/13	H/J	70 - 130 %	
% Dibromofluoromethane	100		%	02/22/13	H/J	70 - 130 %	
% Toluene-d8	97		%	02/22/13	H/J	70 - 130 %	
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
1,2-Diphenylhydrazine	ND	360	ug/Kg	02/22/13	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dichlorophenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dimethylphenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dinitrophenol	ND	580	ug/Kg	02/22/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2-Chloronaphthalene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2-Chlorophenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2-Methylnaphthalene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	ug/Kg	02/22/13	DD	SW 8270	
2-Nitroaniline	ND	580	ug/Kg	02/22/13	DD	SW 8270	
2-Nitrophenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	02/22/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	250	ug/Kg	02/22/13	DD	SW 8270	
3-Nitroaniline	ND	580	ug/Kg	02/22/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	02/22/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	360	ug/Kg	02/22/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
4-Chloroaniline	ND	250	ug/Kg	02/22/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	02/22/13	DD	SW 8270	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: DUPLICATE

Phoenix I.D.: BD38705

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND	580	ug/Kg	02/22/13	DD	SW 8270	
4-Nitrophenol	ND	1100	ug/Kg	02/22/13	DD	SW 8270	
Acenaphthene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Acenaphthylene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Acetophenone	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Aniline	ND	1100	ug/Kg	02/22/13	DD	SW 8270	
Anthracene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Benz(a)anthracene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Benzidine	ND	440	ug/Kg	02/22/13	DD	SW 8270	
Benzo(a)pyrene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Benzo(ghi)perylene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	02/22/13	DD	SW 8270	LO
Benzyl butyl phthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	360	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Carbazole	ND	540	ug/Kg	02/22/13	DD	SW 8270	
Chrysene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Dibenzofuran	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Diethyl phthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Dimethylphthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Di-n-butylphthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Di-n-octylphthalate	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Fluoranthene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Fluorene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorobutadiene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Hexachloroethane	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Isophorone	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Naphthalene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Nitrobenzene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodimethylamine	ND	360	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	02/22/13	DD	SW 8270	
N-Nitrosodiphenylamine	ND	360	ug/Kg	02/22/13	DD	SW 8270	
Pentachloronitrobenzene	ND	360	ug/Kg	02/22/13	DD	SW 8270	
Pentachlorophenol	ND	360	ug/Kg	02/22/13	DD	SW 8270	
Phenanthrene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Phenol	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Pyrene	ND	250	ug/Kg	02/22/13	DD	SW 8270	
Pyridine	ND	360	ug/Kg	02/22/13	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	67		%	02/22/13	DD	30 - 130 %	
% 2-Fluorobiphenyl	67		%	02/22/13	DD	30 - 130 %	
% 2-Fluorophenol	66		%	02/22/13	DD	30 - 130 %	

Project ID: 79-89 4TH AVE BROOKLYN NY
Client ID: DUPLICATE

Phoenix I.D.: BD38705

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	68		%	02/22/13	DD	30 - 130 %
% Phenol-d5	74		%	02/22/13	DD	30 - 130 %
% Terphenyl-d14	79		%	02/22/13	DD	30 - 130 %

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

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 27, 2013
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

February 27, 2013

QA/QC Data

SDG I.D.: GBD38697

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 221947, QC Sample No: BD38631 (BD38702, BD38703, BD38704, BD38705)													
Mercury - Soil	BRL	<0.08	<0.06	NC	105	101	3.9	115	119	3.4	70 - 130	30	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 221829, QC Sample No: BD38683 (BD38697, BD38698, BD38699, BD38700, BD38701)													
Mercury - Soil	BRL	<0.10	<0.08	NC	103	104	1.0	108	98.8	8.9	70 - 130	30	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 221794, QC Sample No: BD38700 (BD38697, BD38698, BD38699, BD38700, BD38701, BD38702, BD38703, BD38704, BD38705)													
ICP Metals - Soil													
Aluminum	BRL	10600	10400	1.90	83.4	89.1	6.6	NC	NC	NC	75 - 125	30	
Antimony	BRL	<3.8	<4.2	NC	103	107	3.8	79.5	80.6	1.4	75 - 125	30	
Arsenic	BRL	5.2	3.32	NC	94.9	99.8	5.0	89.8	89.1	0.8	75 - 125	30	
Barium	BRL	46.8	52.2	10.9	95.5	102	6.6	69.0	69.3	0.4	75 - 125	30	m
Beryllium	BRL	0.52	0.55	NC	96.2	101	4.9	95.8	94.7	1.2	75 - 125	30	
Cadmium	BRL	<0.38	<0.42	NC	97.5	102	4.5	95.4	94.1	1.4	75 - 125	30	
Calcium	BRL	1700	1550	9.20	104	112	7.4	NC	NC	NC	75 - 125	30	
Chromium	BRL	20.3	19.3	5.10	98.0	104	5.9	94.5	95.4	0.9	75 - 125	30	
Cobalt	BRL	8.73	9.76	11.1	97.5	103	5.5	95.1	94.6	0.5	75 - 125	30	
Copper	BRL	15.7	17.9	13.1	101	106	4.8	103	102	1.0	75 - 125	30	
Iron	BRL	19300	19800	2.60	105	111	5.6	NC	NC	NC	75 - 125	30	
Lead	BRL	10.5	10.3	1.90	97.4	102	4.6	95.7	94.9	0.8	75 - 125	30	
Magnesium	BRL	3840	3510	9.00	95.8	103	7.2	NC	NC	NC	75 - 125	30	
Manganese	BRL	769	511	40.3	95.4	101	5.7	NC	NC	NC	75 - 125	30	r
Nickel	BRL	31.6	34.4	8.50	97.3	101	3.7	94.9	95.1	0.2	75 - 125	30	
Potassium	BRL	1220	1460	17.9	95.9	105	9.1	>130	>130	NC	75 - 125	30	m
Selenium	BRL	<1.5	<1.7	NC	101	106	4.8	80.6	79.8	1.0	75 - 125	30	
Silver	BRL	<0.38	<0.42	NC	97.8	101	3.2	95.6	94.5	1.2	75 - 125	30	
Sodium	BRL	75.1	78.7	4.70	96.5	103	6.5	126	122	3.2	75 - 125	30	m
Thallium	BRL	<0.6	<3.8	NC	100	105	4.9	96.1	95.2	0.9	75 - 125	30	
Vanadium	BRL	26.0	25.5	1.90	97.7	103	5.3	93.5	93.7	0.2	75 - 125	30	
Zinc	BRL	49.6	37.4	28.0	95.1	101	6.0	86.0	87.0	1.2	75 - 125	30	

m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

February 27, 2013

QA/QC Data

SDG I.D.: GBD38697

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 221943, QC Sample No: BD39258 (BD38697, BD38698, BD38699, BD38700, BD38701, BD38702, BD38703, BD38704, BD38705)												
Total Cyanide	BRL	<0.60	<0.60	NC	99.7			96.5			85 - 115	30

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NY # 11301

QA/QC Report

February 27, 2013

QA/QC Data

SDG I.D.: GBD38697

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 221674, QC Sample No: BD37954 (BD38697, BD38698, BD38699, BD38700, BD38701, BD38702, BD38703, BD38704, BD38705)									
Pesticides - Solid									
4,4' -DDD	ND	69	69	0.0	73	78	6.6	40 - 140	30
4,4' -DDE	ND	75	77	2.6	73	82	11.6	40 - 140	30
4,4' -DDT	ND	72	72	0.0	80	90	11.8	40 - 140	30
a-BHC	ND	82	82	0.0	77	83	7.5	40 - 140	30
a-Chlordane	ND	77	78	1.3	74	79	6.5	40 - 140	30
Alachlor	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30
Aldrin	ND	80	80	0.0	75	80	6.5	40 - 140	30
b-BHC	ND	80	80	0.0	76	81	6.4	40 - 140	30
Chlordane	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30
d-BHC	ND	74	75	1.3	72	78	8.0	40 - 140	30
Dieldrin	ND	79	81	2.5	82	88	7.1	40 - 140	30
Endosulfan I	ND	76	78	2.6	73	78	6.6	40 - 140	30
Endosulfan II	ND	65	69	6.0	74	79	6.5	40 - 140	30
Endosulfan sulfate	ND	64	66	3.1	72	75	4.1	40 - 140	30
Endrin	ND	78	81	3.8	80	85	6.1	40 - 140	30
Endrin aldehyde	ND	65	72	10.2	68	74	8.5	40 - 140	30
Endrin ketone	ND	74	77	4.0	79	83	4.9	40 - 140	30
g-BHC	ND	79	80	1.3	82	95	14.7	40 - 140	30
g-Chlordane	ND	78	79	1.3	75	80	6.5	40 - 140	30
Heptachlor	ND	75	74	1.3	81	88	8.3	40 - 140	30
Heptachlor epoxide	ND	78	79	1.3	74	79	6.5	40 - 140	30
Methoxychlor	ND	72	73	1.4	93	99	6.3	40 - 140	30
Toxaphene	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30
% DCBP	26*	72	72	0.0	73	74	1.4	30 - 150	30
% TCMX	29*	80	80	0.0	75	82	8.9	30 - 150	30

Comment:

* Poor surrogate recovery was observed.

QA/QC Batch 221791, QC Sample No: BD38288 (BD38697, BD38698, BD38699, BD38700, BD38701, BD38702, BD38703, BD38704, BD38705)

Semivolatiles - Solid

1,2,4,5-Tetrachlorobenzene	ND	62	65	4.7	71	72	1.4	30 - 130	30
1,2,4-Trichlorobenzene	ND	60	61	1.7	69	69	0.0	30 - 130	30
1,2-Dichlorobenzene	ND	60	62	3.3	70	70	0.0	30 - 130	30
1,2-Diphenylhydrazine	ND	65	66	1.5	75	76	1.3	30 - 130	30
1,3-Dichlorobenzene	ND	60	61	1.7	70	68	2.9	30 - 130	30
1,4-Dichlorobenzene	ND	60	61	1.7	69	68	1.5	30 - 130	30
2,4,5-Trichlorophenol	ND	62	63	1.6	73	74	1.4	30 - 130	30
2,4,6-Trichlorophenol	ND	62	65	4.7	75	76	1.3	30 - 130	30
2,4-Dichlorophenol	ND	64	66	3.1	73	74	1.4	30 - 130	30
2,4-Dimethylphenol	ND	43	44	2.3	49	50	2.0	30 - 130	30

QA/QC Data

SDG I.D.: GBD38697

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2,4-Dinitrophenol	ND	15	13	14.3	<5	<5	NC	30 - 130	30	l,m
2,4-Dinitrotoluene	ND	67	67	0.0	75	78	3.9	30 - 130	30	
2,6-Dinitrotoluene	ND	64	67	4.6	76	78	2.6	30 - 130	30	
2-Chloronaphthalene	ND	64	65	1.6	76	76	0.0	30 - 130	30	
2-Chlorophenol	ND	62	65	4.7	73	72	1.4	30 - 130	30	
2-Methylnaphthalene	ND	61	63	3.2	69	70	1.4	30 - 130	30	
2-Methylphenol (o-cresol)	ND	61	64	4.8	71	72	1.4	30 - 130	30	
2-Nitroaniline	ND	117	112	4.4	130	139	6.7	30 - 130	30	m
2-Nitrophenol	ND	61	62	1.6	73	73	0.0	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	61	63	3.2	69	70	1.4	30 - 130	30	
3,3'-Dichlorobenzidine	ND	101	97	4.0	110	110	0.0	30 - 130	30	
3-Nitroaniline	ND	66	68	3.0	79	80	1.3	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	56	51	9.3	72	77	6.7	30 - 130	30	
4-Bromophenyl phenyl ether	ND	64	68	6.1	77	77	0.0	30 - 130	30	
4-Chloro-3-methylphenol	ND	63	65	3.1	71	73	2.8	30 - 130	30	
4-Chloroaniline	ND	69	71	2.9	76	75	1.3	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	66	68	3.0	77	78	1.3	30 - 130	30	
4-Nitroaniline	ND	67	68	1.5	79	80	1.3	30 - 130	30	
4-Nitrophenol	ND	64	60	6.5	69	72	4.3	30 - 130	30	
Acenaphthene	ND	63	65	3.1	74	75	1.3	30 - 130	30	
Acenaphthylene	ND	63	64	1.6	75	75	0.0	30 - 130	30	
Acetophenone	ND	62	65	4.7	73	73	0.0	30 - 130	30	
Aniline	ND	73	72	1.4	79	78	1.3	30 - 130	30	
Anthracene	ND	65	67	3.0	78	79	1.3	30 - 130	30	
Benz(a)anthracene	ND	66	67	1.5	78	77	1.3	30 - 130	30	
Benzidine	ND	45	36	22.2	31	37	17.6	30 - 130	30	
Benzo(a)pyrene	ND	60	61	1.7	72	72	0.0	30 - 130	30	
Benzo(b)fluoranthene	ND	69	72	4.3	79	84	6.1	30 - 130	30	
Benzo(ghi)perylene	ND	65	65	0.0	78	75	3.9	30 - 130	30	
Benzo(k)fluoranthene	ND	69	70	1.4	84	81	3.6	30 - 130	30	
Benzyl butyl phthalate	ND	60	64	6.5	75	73	2.7	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	62	64	3.2	73	72	1.4	30 - 130	30	
Bis(2-chloroethyl)ether	ND	58	61	5.0	69	67	2.9	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	61	63	3.2	71	70	1.4	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	63	66	4.7	76	76	0.0	30 - 130	30	
Carbazole	ND	90	89	1.1	106	108	1.9	30 - 130	30	
Chrysene	ND	66	67	1.5	77	77	0.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	67	67	0.0	80	78	2.5	30 - 130	30	
Dibenzofuran	ND	65	67	3.0	77	78	1.3	30 - 130	30	
Diethyl phthalate	ND	66	68	3.0	77	78	1.3	30 - 130	30	
Dimethylphthalate	ND	65	67	3.0	77	78	1.3	30 - 130	30	
Di-n-butylphthalate	ND	66	69	4.4	79	79	0.0	30 - 130	30	
Di-n-octylphthalate	ND	60	62	3.3	70	69	1.4	30 - 130	30	
Fluoranthene	ND	71	72	1.4	88	87	1.1	30 - 130	30	
Fluorene	ND	67	68	1.5	77	79	2.6	30 - 130	30	
Hexachlorobenzene	ND	64	68	6.1	77	78	1.3	30 - 130	30	
Hexachlorobutadiene	ND	62	63	1.6	72	70	2.8	30 - 130	30	
Hexachlorocyclopentadiene	ND	52	54	3.8	56	61	8.5	30 - 130	30	
Hexachloroethane	ND	59	62	5.0	68	68	0.0	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	67	66	1.5	80	78	2.5	30 - 130	30	
Isophorone	ND	63	66	4.7	75	74	1.3	30 - 130	30	
Naphthalene	ND	63	64	1.6	73	73	0.0	30 - 130	30	
Nitrobenzene	ND	61	63	3.2	71	70	1.4	30 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
N-Nitrosodimethylamine	ND	59	60	1.7	69	68	1.5	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	59	62	5.0	69	69	0.0	30 - 130	30	
N-Nitrosodiphenylamine	ND	78	77	1.3	88	91	3.4	30 - 130	30	
Pentachloronitrobenzene	ND	66	70	5.9	79	79	0.0	30 - 130	30	
Pentachlorophenol	ND	48	49	2.1	60	67	11.0	30 - 130	30	
Phenanthrene	ND	66	69	4.4	79	78	1.3	30 - 130	30	
Phenol	ND	62	65	4.7	72	72	0.0	30 - 130	30	
Pyrene	ND	74	74	0.0	91	89	2.2	30 - 130	30	
Pyridine	ND	55	55	0.0	63	55	13.6	30 - 130	30	
% 2,4,6-Tribromophenol	60	65	65	0.0	74	74	0.0	30 - 130	30	
% 2-Fluorobiphenyl	65	66	65	1.5	76	75	1.3	30 - 130	30	
% 2-Fluorophenol	63	62	62	0.0	70	68	2.9	30 - 130	30	
% Nitrobenzene-d5	65	61	62	1.6	69	69	0.0	30 - 130	30	
% Phenol-d5	64	62	64	3.2	70	70	0.0	30 - 130	30	
% Terphenyl-d14	72	84	79	6.1	98	96	2.1	30 - 130	30	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 221881, QC Sample No: BD38682 (BD38698, BD38699, BD38700, BD38701, BD38702, BD38703, BD38705)

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	107	110	2.8	96	100	4.1	70 - 130	30	
1,1,1-Trichloroethane	ND	102	113	10.2	96	104	8.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	90	97	7.5	86	92	6.7	70 - 130	30	
1,1,2-Trichloroethane	ND	102	111	8.5	87	93	6.7	70 - 130	30	
1,1-Dichloroethane	ND	85	104	20.1	81	96	16.9	70 - 130	30	
1,1-Dichloroethene	ND	95	107	11.9	90	100	10.5	70 - 130	30	
1,1-Dichloropropene	ND	94	104	10.1	88	98	10.8	70 - 130	30	
1,2,3-Trichlorobenzene	ND	99	113	13.2	82	101	20.8	70 - 130	30	
1,2,3-Trichloropropane	ND	90	98	8.5	77	96	22.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	97	110	12.6	85	102	18.2	70 - 130	30	
1,2,4-Trimethylbenzene	ND	97	105	7.9	86	96	11.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	100	111	10.4	78	89	13.2	70 - 130	30	
1,2-Dibromoethane	ND	101	111	9.4	89	98	9.6	70 - 130	30	
1,2-Dichlorobenzene	ND	97	109	11.7	86	100	15.1	70 - 130	30	
1,2-Dichloroethane	ND	104	115	10.0	95	102	7.1	70 - 130	30	
1,2-Dichloropropane	ND	93	103	10.2	86	93	7.8	70 - 130	30	
1,3,5-Trimethylbenzene	ND	95	103	8.1	87	97	10.9	70 - 130	30	
1,3-Dichlorobenzene	ND	96	107	10.8	86	99	14.1	70 - 130	30	
1,3-Dichloropropane	ND	97	98	1.0	87	89	2.3	70 - 130	30	
1,4-Dichlorobenzene	ND	97	108	10.7	86	100	15.1	70 - 130	30	
2,2-Dichloropropane	ND	102	113	10.2	93	100	7.3	70 - 130	30	
2-Chlorotoluene	ND	93	101	8.2	87	99	12.9	70 - 130	30	
2-Hexanone	ND	84	87	3.5	57	58	1.7	70 - 130	30	m
2-Isopropyltoluene	ND	92	102	10.3	86	99	14.1	70 - 130	30	
4-Chlorotoluene	ND	92	100	8.3	84	96	13.3	70 - 130	30	
4-Methyl-2-pentanone	ND	93	102	9.2	79	85	7.3	70 - 130	30	
Acetone	ND	81	83	2.4	40	<40	NC	70 - 130	30	m
Acrylonitrile	ND	82	99	18.8	72	86	17.7	70 - 130	30	
Benzene	ND	92	102	10.3	86	94	8.9	70 - 130	30	
Bromobenzene	ND	99	107	7.8	89	99	10.6	70 - 130	30	
Bromochloromethane	ND	99	109	9.6	89	97	8.6	70 - 130	30	
Bromodichloromethane	ND	106	116	9.0	94	103	9.1	70 - 130	30	

QA/QC Data

SDG I.D.: GBD38697

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bromoform	ND	114	121	6.0	88	98	10.8	70 - 130	30	
Bromomethane	ND	84	101	18.4	85	90	5.7	70 - 130	30	
Carbon Disulfide	ND	89	101	12.6	89	99	10.6	70 - 130	30	
Carbon tetrachloride	ND	106	120	12.4	96	109	12.7	70 - 130	30	
Chlorobenzene	ND	98	105	6.9	89	98	9.6	70 - 130	30	
Chloroethane	ND	98	110	11.5	91	97	6.4	70 - 130	30	
Chloroform	ND	102	108	5.7	93	99	6.3	70 - 130	30	
Chloromethane	ND	85	98	14.2	75	81	7.7	70 - 130	30	
cis-1,2-Dichloroethene	ND	98	106	7.8	89	95	6.5	70 - 130	30	
cis-1,3-Dichloropropene	ND	97	105	7.9	87	93	6.7	70 - 130	30	
Dibromochloromethane	ND	111	112	0.9	90	98	8.5	70 - 130	30	
Dibromomethane	ND	100	112	11.3	87	94	7.7	70 - 130	30	
Dichlorodifluoromethane	ND	95	106	10.9	80	89	10.7	70 - 130	30	
Ethylbenzene	ND	94	102	8.2	88	98	10.8	70 - 130	30	
Hexachlorobutadiene	ND	96	107	10.8	86	109	23.6	70 - 130	30	
Isopropylbenzene	ND	95	104	9.0	85	97	13.2	70 - 130	30	
m&p-Xylene	ND	93	102	9.2	86	97	12.0	70 - 130	30	
Methyl ethyl ketone	ND	72	69	4.3	52	50	3.9	70 - 130	30	l,m
Methyl t-butyl ether (MTBE)	ND	95	101	6.1	87	91	4.5	70 - 130	30	
Methylene chloride	ND	91	102	11.4	86	92	6.7	70 - 130	30	
Naphthalene	ND	97	110	12.6	79	94	17.3	70 - 130	30	
n-Butylbenzene	ND	92	99	7.3	81	95	15.9	70 - 130	30	
n-Propylbenzene	ND	96	105	9.0	86	98	13.0	70 - 130	30	
o-Xylene	ND	99	107	7.8	87	96	9.8	70 - 130	30	
p-Isopropyltoluene	ND	94	104	10.1	84	99	16.4	70 - 130	30	
sec-Butylbenzene	ND	91	100	9.4	83	97	15.6	70 - 130	30	
Styrene	ND	95	106	10.9	89	97	8.6	70 - 130	30	
tert-Butylbenzene	ND	95	106	10.9	87	101	14.9	70 - 130	30	
Tetrachloroethene	ND	100	105	4.9	92	100	8.3	70 - 130	30	
Tetrahydrofuran (THF)	ND	92	97	5.3	82	83	1.2	70 - 130	30	
Toluene	ND	94	107	12.9	87	99	12.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	100	107	6.8	93	101	8.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	103	112	8.4	91	99	8.4	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	95	96	1.0	81	83	2.4	70 - 130	30	
Trichloroethene	ND	103	113	9.3	87	97	10.9	70 - 130	30	
Trichlorofluoromethane	ND	109	120	9.6	94	107	12.9	70 - 130	30	
Trichlorotrifluoroethane	ND	103	110	6.6	95	108	12.8	70 - 130	30	
Vinyl chloride	ND	91	105	14.3	83	90	8.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	98	98	101	3.0	99	102	3.0	70 - 130	30	
% Bromofluorobenzene	95	100	99	1.0	100	99	1.0	70 - 130	30	
% Dibromofluoromethane	100	103	103	0.0	106	98	7.8	70 - 130	30	
% Toluene-d8	97	98	101	3.0	97	100	3.0	70 - 130	30	

Comment:

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

QA/QC Batch 222047, QC Sample No: BD38697 (BD38697, BD38704 (56X))

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	108	109	0.9	102	103	1.0	70 - 130	30	
1,1,1-Trichloroethane	ND	105	102	2.9	100	105	4.9	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	94	90	4.3	93	98	5.2	70 - 130	30	
1,1,2-Trichloroethane	ND	101	99	2.0	96	101	5.1	70 - 130	30	
1,1-Dichloroethane	ND	94	84	11.2	82	93	12.6	70 - 130	30	
1,1-Dichloroethene	ND	99	95	4.1	84	90	6.9	70 - 130	30	

QA/QC Data

SDG I.D.: GBD38697

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1-Dichloropropene	ND	97	96	1.0	94	99	5.2	70 - 130	30	
1,2,3-Trichlorobenzene	ND	113	110	2.7	103	112	8.4	70 - 130	30	
1,2,3-Trichloropropane	ND	92	79	15.2	92	98	6.3	70 - 130	30	
1,2,4-Trichlorobenzene	ND	112	113	0.9	109	114	4.5	70 - 130	30	
1,2,4-Trimethylbenzene	ND	101	105	3.9	99	100	1.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	107	98	8.8	88	95	7.7	70 - 130	30	
1,2-Dibromoethane	ND	101	99	2.0	98	106	7.8	70 - 130	30	
1,2-Dichlorobenzene	ND	106	105	0.9	98	106	7.8	70 - 130	30	
1,2-Dichloroethane	ND	106	104	1.9	102	107	4.8	70 - 130	30	
1,2-Dichloropropane	ND	95	93	2.1	91	98	7.4	70 - 130	30	
1,3,5-Trimethylbenzene	ND	99	102	3.0	98	100	2.0	70 - 130	30	
1,3-Dichlorobenzene	ND	106	106	0.0	100	106	5.8	70 - 130	30	
1,3-Dichloropropane	ND	95	97	2.1	95	92	3.2	70 - 130	30	
1,4-Dichlorobenzene	ND	106	107	0.9	99	106	6.8	70 - 130	30	
2,2-Dichloropropane	ND	106	104	1.9	97	100	3.0	70 - 130	30	
2-Chlorotoluene	ND	98	98	0.0	98	102	4.0	70 - 130	30	
2-Hexanone	ND	80	77	3.8	62	62	0.0	70 - 130	30	m
2-Isopropyltoluene	ND	98	97	1.0	93	99	6.3	70 - 130	30	
4-Chlorotoluene	ND	99	99	0.0	98	102	4.0	70 - 130	30	
4-Methyl-2-pentanone	ND	90	88	2.2	86	94	8.9	70 - 130	30	
Acetone	ND	68	70	2.9	<40	<40	NC	70 - 130	30	l,m
Acrylonitrile	ND	92	77	17.8	79	94	17.3	70 - 130	30	
Benzene	ND	93	93	0.0	91	97	6.4	70 - 130	30	
Bromobenzene	ND	103	104	1.0	101	104	2.9	70 - 130	30	
Bromochloromethane	ND	99	97	2.0	94	98	4.2	70 - 130	30	
Bromodichloromethane	ND	110	107	2.8	100	105	4.9	70 - 130	30	
Bromoform	ND	120	118	1.7	95	98	3.1	70 - 130	30	
Bromomethane	ND	97	98	1.0	60	62	3.3	70 - 130	30	m
Carbon Disulfide	ND	94	89	5.5	79	87	9.6	70 - 130	30	
Carbon tetrachloride	ND	112	109	2.7	100	106	5.8	70 - 130	30	
Chlorobenzene	ND	101	101	0.0	99	102	3.0	70 - 130	30	
Chloroethane	ND	103	97	6.0	<40	<40	NC	70 - 130	30	m
Chloroform	ND	100	99	1.0	98	100	2.0	70 - 130	30	
Chloromethane	ND	90	83	8.1	78	87	10.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	99	93	6.3	96	95	1.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	97	97	0.0	94	100	6.2	70 - 130	30	
Dibromochloromethane	ND	111	110	0.9	99	99	0.0	70 - 130	30	
Dibromomethane	ND	103	100	3.0	94	102	8.2	70 - 130	30	
Dichlorodifluoromethane	ND	108	98	9.7	85	98	14.2	70 - 130	30	
Ethylbenzene	ND	98	96	2.1	97	101	4.0	70 - 130	30	
Hexachlorobutadiene	ND	108	107	0.9	108	117	8.0	70 - 130	30	
Isopropylbenzene	ND	98	99	1.0	94	98	4.2	70 - 130	30	
m&p-Xylene	ND	99	97	2.0	95	102	7.1	70 - 130	30	
Methyl ethyl ketone	ND	62	59	5.0	55	55	0.0	70 - 130	30	l,m
Methyl t-butyl ether (MTBE)	ND	96	94	2.1	93	98	5.2	70 - 130	30	
Methylene chloride	ND	92	89	3.3	90	94	4.3	70 - 130	30	
Naphthalene	ND	104	101	2.9	99	108	8.7	70 - 130	30	
n-Butylbenzene	ND	101	105	3.9	95	99	4.1	70 - 130	30	
n-Propylbenzene	ND	102	102	0.0	97	102	5.0	70 - 130	30	
o-Xylene	ND	106	102	3.8	96	100	4.1	70 - 130	30	
p-Isopropyltoluene	ND	103	104	1.0	98	101	3.0	70 - 130	30	
sec-Butylbenzene	ND	97	95	2.1	94	100	6.2	70 - 130	30	
Styrene	ND	101	98	3.0	96	102	6.1	70 - 130	30	

QA/QC Data

SDG I.D.: GBD38697

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
tert-Butylbenzene	ND	101	100	1.0	96	103	7.0	70 - 130	30	
Tetrachloroethene	ND	104	105	1.0	103	104	1.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	92	85	7.9	85	92	7.9	70 - 130	30	
Toluene	ND	98	94	4.2	95	105	10.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	101	99	2.0	96	96	0.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	105	103	1.9	99	108	8.7	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	97	99	2.0	89	88	1.1	70 - 130	30	
Trichloroethene	ND	105	103	1.9	95	100	5.1	70 - 130	30	
Trichlorofluoromethane	ND	115	109	5.4	<40	43	NC	70 - 130	30	m
Trichlorotrifluoroethane	ND	107	103	3.8	93	97	4.2	70 - 130	30	
Vinyl chloride	ND	97	90	7.5	89	101	12.6	70 - 130	30	
% 1,2-dichlorobenzene-d4	98	102	101	1.0	97	101	4.0	70 - 130	30	
% Bromofluorobenzene	94	101	100	1.0	103	102	1.0	70 - 130	30	
% Dibromofluoromethane	106	105	102	2.9	102	96	6.1	70 - 130	30	
% Toluene-d8	94	100	98	2.0	99	103	4.0	70 - 130	30	

Comment:

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

QA/QC Batch 221793, QC Sample No: BD38705 (BD38697, BD38698, BD38699, BD38700, BD38701, BD38702, BD38703, BD38704, BD38705)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	83	69	18.4	85	84	1.2	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	82	69	17.2	86	84	2.4	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	83	86	72	17.7	93	89	4.4	30 - 150	30	
% TCMX (Surrogate Rec)	84	93	76	20.1	95	91	4.3	30 - 150	30	

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

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

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

Phyllis Shiller, Laboratory Director
February 27, 2013

Sample Criteria Exceedences Report

GBD38697 - EBC

Requested Criteria: None

State: NY

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

*** No Data to Display ***

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

February 27, 2013

SDG I.D.: GBD38697

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

4°w/c + IP

NY/NJ CHAIN OF CUSTODY RECORD

Temp Pg of

PHOENIX *Environmental Laboratories, Inc.*

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

Data Delivery:
☐ Fax #:
☐ Email:

Customer: Environmental Business Consultants
Address: 1808 Middle Country Rd Ridge NY 11961

Project: 79-89 4th Ave, Brooklyn NY
Report to: EBC
Invoice to: EBC

Project P.O:
Phone #: 631-504-6000
Fax #:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 2/19/13

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270	PCBs 8082	Pesticides 8081	TAL Metals 6010	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
38697	B7 - 0-2'	S	2/19/13		X	X	X	X	X		2	1							
38698	B7 9-11'																		
38699	B9 0-2'																		
*38700	B9 9-11'																		
38701	B10 2-4'																		
38702	B10 9-11'																		
38703	B11 0-2'																		
**38704	B11 9-11'																		
38705	Duplicate																		

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	2-21-13	8:10 AM
Courtney for RS	Crystal Rose	2/21/13	1730

Comments, Special Requirements or Regulations:
* rcvd 2LL voas w/soil jar
** rcvd 2 HL voas w/soil jar (CP)

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

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

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

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

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

State where samples were collected: _____

PHOENIX
Environmental Laboratories, Inc.

Wednesday, March 06, 2013

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

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Sample ID#s: BD41873 - BD41878

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

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

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

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

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

Sincerely yours,

Phyllis Shiller

Laboratory Director

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

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

NY # 11301

SDG Comments

March 06, 2013

SDG I.D.: GBD41873

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 06, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/28/13	11:00
Location Code:	EBC	Received by:	LB	03/01/13	16:37
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD41873
Phoenix ID: BD41873

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: B6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	03/04/13	LK	SW6010
Aluminum	7060	55	mg/Kg	03/04/13	LK	SW6010
Arsenic	2.8	0.7	mg/Kg	03/04/13	LK	SW6010
Barium	44.3	0.36	mg/Kg	03/04/13	LK	SW6010
Beryllium	0.40	0.29	mg/Kg	03/04/13	LK	SW6010
Calcium	19700	55	mg/Kg	03/04/13	LK	SW6010
Cadmium	< 0.36	0.36	mg/Kg	03/04/13	LK	SW6010
Cobalt	6.50	0.36	mg/Kg	03/04/13	LK	SW6010
Chromium	17.7	0.36	mg/Kg	03/04/13	LK	SW6010
Copper	19.8	0.36	mg/kg	03/04/13	LK	SW6010
Iron	12800	55	mg/Kg	03/04/13	LK	SW6010
Mercury	0.09	0.07	mg/Kg	03/04/13	RS	SW-7471
Potassium	1490	5.5	mg/Kg	03/04/13	LK	SW6010
Magnesium	5670	55	mg/Kg	03/04/13	LK	SW6010
Manganese	289	3.6	mg/Kg	03/04/13	LK	SW6010
Sodium	405	5.5	mg/Kg	03/04/13	LK	SW6010
Nickel	38.0	0.36	mg/Kg	03/04/13	LK	SW6010
Lead	41.0	0.36	mg/Kg	03/04/13	LK	SW6010
Antimony	< 3.6	3.6	mg/Kg	03/04/13	LK	SW6010
Selenium	< 1.5	1.5	mg/Kg	03/04/13	LK	SW6010
Thallium	< 0.6	0.6	mg/Kg	03/04/13	LK	SW6010
Vanadium	21.6	0.36	mg/Kg	03/04/13	LK	SW6010
Zinc	44.8	3.6	mg/Kg	03/04/13	LK	SW6010
Percent Solid	89		%	03/01/13	JL	E160.3
Total Cyanide	< 0.56	0.56	mg/Kg	03/03/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			03/01/13	BB/V	SW3545
Soil Extraction for Pesticide	Completed			03/01/13	BB	SW3545
Soil Extraction for SVOA	Completed			03/01/13	JJ/V	SW3545

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: B6

Phoenix I.D.: BD41873

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			03/04/13	X/X	SW7471	
Total Metals Digest	Completed			03/01/13	AG	SW846 - 3050	
Field Extraction	Completed			02/28/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	74	ug/Kg	03/04/13	AW	SW 8082	
PCB-1221	ND	74	ug/Kg	03/04/13	AW	SW 8082	
PCB-1232	ND	74	ug/Kg	03/04/13	AW	SW 8082	
PCB-1242	ND	74	ug/Kg	03/04/13	AW	SW 8082	
PCB-1248	ND	74	ug/Kg	03/04/13	AW	SW 8082	
PCB-1254	ND	74	ug/Kg	03/04/13	AW	SW 8082	
PCB-1260	ND	74	ug/Kg	03/04/13	AW	SW 8082	
PCB-1262	ND	74	ug/Kg	03/04/13	AW	SW 8082	
PCB-1268	ND	74	ug/Kg	03/04/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	87		%	03/04/13	AW	30 - 150 %	
% TCMX	79		%	03/04/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	2.9	ug/Kg	03/04/13	KCA	SW8081	
4,4' -DDE	ND	2.9	ug/Kg	03/04/13	KCA	SW8081	
4,4' -DDT	ND	2.9	ug/Kg	03/04/13	KCA	SW8081	
a-BHC	ND	3.5	ug/Kg	03/04/13	KCA	SW8081	
Alachlor	ND	3.5	ug/Kg	03/04/13	KCA	SW8081	1
Aldrin	ND	1.1	ug/Kg	03/04/13	KCA	SW8081	
b-BHC	ND	3.5	ug/Kg	03/04/13	KCA	SW8081	
Chlordane	ND	11	ug/Kg	03/04/13	KCA	SW8081	
d-BHC	ND	3.5	ug/Kg	03/04/13	KCA	SW8081	
Dieldrin	ND	1.1	ug/Kg	03/04/13	KCA	SW8081	
Endosulfan I	ND	3.5	ug/Kg	03/04/13	KCA	SW8081	
Endosulfan II	ND	7.1	ug/Kg	03/04/13	KCA	SW8081	
Endosulfan sulfate	ND	7.1	ug/Kg	03/04/13	KCA	SW8081	
Endrin	ND	7.1	ug/Kg	03/04/13	KCA	SW8081	
Endrin aldehyde	ND	7.1	ug/Kg	03/04/13	KCA	SW8081	
Endrin ketone	ND	7.1	ug/Kg	03/04/13	KCA	SW8081	
g-BHC	ND	1.1	ug/Kg	03/04/13	KCA	SW8081	
Heptachlor	ND	2.2	ug/Kg	03/04/13	KCA	SW8081	
Heptachlor epoxide	ND	3.5	ug/Kg	03/04/13	KCA	SW8081	
Methoxychlor	ND	35	ug/Kg	03/04/13	KCA	SW8081	
Toxaphene	ND	35	ug/Kg	03/04/13	KCA	SW8081	
QA/QC Surrogates							
% DCBP	76		%	03/04/13	KCA	30 - 150 %	
% TCMX	66		%	03/04/13	KCA	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
1,1,1-Trichloroethane	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	2.7	ug/Kg	03/04/13	R/J	SW8260	
1,1,2-Trichloroethane	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
1,1-Dichloroethane	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: B6

Phoenix I.D.: BD41873

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
1,1-Dichloropropene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
1,2,3-Trichloropropane	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
1,2-Dibromoethane	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	LP
1,2-Dichlorobenzene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
1,2-Dichloroethane	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
1,2-Dichloropropane	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
1,3-Dichlorobenzene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
1,3-Dichloropropane	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
1,4-Dichlorobenzene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
2,2-Dichloropropane	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
2-Chlorotoluene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
2-Hexanone	ND	22	ug/Kg	03/04/13	R/J	SW8260	
2-Isopropyltoluene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	1
4-Chlorotoluene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	22	ug/Kg	03/04/13	R/J	SW8260	
Acetone	ND	44	ug/Kg	03/04/13	R/J	SW8260	
Acrylonitrile	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Benzene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Bromobenzene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Bromochloromethane	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Bromodichloromethane	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Bromoform	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Bromomethane	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Carbon Disulfide	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Carbon tetrachloride	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Chlorobenzene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Chloroethane	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Chloroform	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Chloromethane	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	1
Dibromochloromethane	ND	2.7	ug/Kg	03/04/13	R/J	SW8260	
Dibromomethane	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Dichlorodifluoromethane	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Ethylbenzene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Hexachlorobutadiene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Isopropylbenzene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
m&p-Xylene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	27	ug/Kg	03/04/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	8.9	ug/Kg	03/04/13	R/J	SW8260	
Methylene chloride	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Naphthalene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
n-Butylbenzene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
n-Propylbenzene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
o-Xylene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
p-Isopropyltoluene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
sec-Butylbenzene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Styrene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
tert-Butylbenzene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Tetrachloroethene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	8.9	ug/Kg	03/04/13	R/J	SW8260	1
Toluene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Total Xylenes	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	8.9	ug/Kg	03/04/13	R/J	SW8260	
Trichloroethene	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Trichlorofluoromethane	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
Vinyl chloride	ND	4.4	ug/Kg	03/04/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	03/04/13	R/J	70 - 130 %	
% Bromofluorobenzene	93		%	03/04/13	R/J	70 - 130 %	
% Dibromofluoromethane	103		%	03/04/13	R/J	70 - 130 %	
% Toluene-d8	98		%	03/04/13	R/J	70 - 130 %	
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
1,2-Dichlorobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
1,2-Diphenylhydrazine	ND	370	ug/Kg	03/04/13	DD	SW 8270	
1,3-Dichlorobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
1,4-Dichlorobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2,4-Dichlorophenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2,4-Dimethylphenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2,4-Dinitrophenol	ND	590	ug/Kg	03/04/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2-Chloronaphthalene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2-Chlorophenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2-Methylnaphthalene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2-Nitroaniline	ND	590	ug/Kg	03/04/13	DD	SW 8270	
2-Nitrophenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	03/04/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	260	ug/Kg	03/04/13	DD	SW 8270	
3-Nitroaniline	ND	590	ug/Kg	03/04/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	03/04/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	370	ug/Kg	03/04/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
4-Chloroaniline	ND	260	ug/Kg	03/04/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	03/04/13	DD	SW 8270	

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: B6

Phoenix I.D.: BD41873

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND	590	ug/Kg	03/04/13	DD	SW 8270	
4-Nitrophenol	ND	1100	ug/Kg	03/04/13	DD	SW 8270	
Acenaphthene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Acenaphthylene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Acetophenone	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Aniline	ND	1100	ug/Kg	03/04/13	DD	SW 8270	
Anthracene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Benz(a)anthracene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Benzidine	ND	440	ug/Kg	03/04/13	DD	SW 8270	
Benzo(a)pyrene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Benzo(ghi)perylene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	03/04/13	DD	SW 8270	LO
Benzyl butyl phthalate	ND	260	ug/Kg	03/04/13	DD	SW 8270	B
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	370	ug/Kg	03/04/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Carbazole	ND	550	ug/Kg	03/04/13	DD	SW 8270	
Chrysene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Dibenzofuran	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Diethyl phthalate	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Dimethylphthalate	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Di-n-butylphthalate	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Di-n-octylphthalate	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Fluoranthene	370	260	ug/Kg	03/04/13	DD	SW 8270	
Fluorene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Hexachlorobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Hexachlorobutadiene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Hexachloroethane	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Isophorone	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Naphthalene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Nitrobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
N-Nitrosodimethylamine	ND	370	ug/Kg	03/04/13	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	03/04/13	DD	SW 8270	
N-Nitrosodiphenylamine	ND	370	ug/Kg	03/04/13	DD	SW 8270	
Pentachloronitrobenzene	ND	370	ug/Kg	03/04/13	DD	SW 8270	
Pentachlorophenol	ND	370	ug/Kg	03/04/13	DD	SW 8270	
Phenanthrene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Phenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Pyrene	330	260	ug/Kg	03/04/13	DD	SW 8270	
Pyridine	ND	370	ug/Kg	03/04/13	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	109		%	03/04/13	DD	30 - 130 %	
% 2-Fluorobiphenyl	92		%	03/04/13	DD	30 - 130 %	
% 2-Fluorophenol	81		%	03/04/13	DD	30 - 130 %	

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: B6

Phoenix I.D.: BD41873

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
% Nitrobenzene-d5	77		%	03/04/13	DD	30 - 130 %	
% Phenol-d5	78		%	03/04/13	DD	30 - 130 %	
% Terphenyl-d14	150		%	03/04/13	DD	30 - 130 %	3

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.
3 = This parameter exceeds laboratory specified limits.
B = Present in blank, no bias suspected.

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

* The surrogate failed method criteria due to sample matrix interference for the semivolatile analysis. The other surrogates associated with this sample were within QA/QC criteria.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 06, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 06, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/28/13	11:30
Location Code:	EBC	Received by:	LB	03/01/13	16:37
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD41873
Phoenix ID: BD41874

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: B8

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	03/04/13	LK	SW6010
Aluminum	7620	60	mg/Kg	03/04/13	LK	SW6010
Arsenic	4.5	0.8	mg/Kg	03/04/13	LK	SW6010
Barium	138	0.40	mg/Kg	03/04/13	LK	SW6010
Beryllium	0.45	0.32	mg/Kg	03/04/13	LK	SW6010
Calcium	19500	60	mg/Kg	03/04/13	LK	SW6010
Cadmium	< 0.40	0.40	mg/Kg	03/04/13	LK	SW6010
Cobalt	6.98	0.40	mg/Kg	03/04/13	LK	SW6010
Chromium	18.8	0.40	mg/Kg	03/04/13	LK	SW6010
Copper	41.6	0.40	mg/kg	03/04/13	LK	SW6010
Iron	15000	60	mg/Kg	03/04/13	LK	SW6010
Mercury	0.12	0.08	mg/Kg	03/04/13	RS	SW-7471
Potassium	1770	6.0	mg/Kg	03/04/13	LK	SW6010
Magnesium	10300	60	mg/Kg	03/04/13	LK	SW6010
Manganese	640	4.0	mg/Kg	03/04/13	LK	SW6010
Sodium	274	6.0	mg/Kg	03/04/13	LK	SW6010
Nickel	31.8	0.40	mg/Kg	03/04/13	LK	SW6010
Lead	86.4	0.40	mg/Kg	03/04/13	LK	SW6010
Antimony	< 4.0	4.0	mg/Kg	03/04/13	LK	SW6010
Selenium	< 1.6	1.6	mg/Kg	03/04/13	LK	SW6010
Thallium	< 0.6	0.6	mg/Kg	03/04/13	LK	SW6010
Vanadium	25.3	0.40	mg/Kg	03/04/13	LK	SW6010
Zinc	142	0.40	mg/Kg	03/04/13	LK	SW6010
Percent Solid	88		%	03/01/13	JL	E160.3
Total Cyanide	< 0.57	0.57	mg/Kg	03/03/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			03/01/13	BB/V	SW3545
Soil Extraction for Pesticide	Completed			03/01/13	BB	SW3545
Soil Extraction for SVOA	Completed			03/01/13	JJ/V	SW3545

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: B8

Phoenix I.D.: BD41874

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			03/04/13	X/X	SW7471	
Total Metals Digest	Completed			03/01/13	AG	SW846 - 3050	
Field Extraction	Completed			02/28/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	75	ug/Kg	03/04/13	AW	SW 8082	
PCB-1221	ND	75	ug/Kg	03/04/13	AW	SW 8082	
PCB-1232	ND	75	ug/Kg	03/04/13	AW	SW 8082	
PCB-1242	ND	75	ug/Kg	03/04/13	AW	SW 8082	
PCB-1248	ND	75	ug/Kg	03/04/13	AW	SW 8082	
PCB-1254	ND	75	ug/Kg	03/04/13	AW	SW 8082	
PCB-1260	ND	75	ug/Kg	03/04/13	AW	SW 8082	
PCB-1262	ND	75	ug/Kg	03/04/13	AW	SW 8082	
PCB-1268	ND	75	ug/Kg	03/04/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	88		%	03/04/13	AW	30 - 150 %	
% TCMX	73		%	03/04/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	3.0	ug/Kg	03/04/13	KCA	SW8081	
4,4' -DDE	ND	3.0	ug/Kg	03/04/13	KCA	SW8081	
4,4' -DDT	4.7	3.0	ug/Kg	03/04/13	KCA	SW8081	
a-BHC	ND	3.6	ug/Kg	03/04/13	KCA	SW8081	
Alachlor	ND	3.6	ug/Kg	03/04/13	KCA	SW8081	1
Aldrin	ND	1.1	ug/Kg	03/04/13	KCA	SW8081	
b-BHC	ND	3.6	ug/Kg	03/04/13	KCA	SW8081	
Chlordane	ND	11	ug/Kg	03/04/13	KCA	SW8081	
d-BHC	ND	3.6	ug/Kg	03/04/13	KCA	SW8081	
Dieldrin	3.8	1.1	ug/Kg	03/04/13	KCA	SW8081	
Endosulfan I	ND	3.6	ug/Kg	03/04/13	KCA	SW8081	
Endosulfan II	ND	7.2	ug/Kg	03/04/13	KCA	SW8081	
Endosulfan sulfate	ND	7.2	ug/Kg	03/04/13	KCA	SW8081	
Endrin	ND	7.2	ug/Kg	03/04/13	KCA	SW8081	
Endrin aldehyde	ND	7.2	ug/Kg	03/04/13	KCA	SW8081	
Endrin ketone	ND	7.2	ug/Kg	03/04/13	KCA	SW8081	
g-BHC	ND	1.1	ug/Kg	03/04/13	KCA	SW8081	
Heptachlor	ND	2.2	ug/Kg	03/04/13	KCA	SW8081	
Heptachlor epoxide	ND	3.6	ug/Kg	03/04/13	KCA	SW8081	
Methoxychlor	ND	36	ug/Kg	03/04/13	KCA	SW8081	
Toxaphene	ND	36	ug/Kg	03/04/13	KCA	SW8081	
QA/QC Surrogates							
% DCBP	75		%	03/04/13	KCA	30 - 150 %	
% TCMX	64		%	03/04/13	KCA	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
1,1,1-Trichloroethane	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	2.9	ug/Kg	03/04/13	R/J	SW8260	
1,1,2-Trichloroethane	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
1,1-Dichloroethane	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: B8

Phoenix I.D.: BD41874

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
1,1-Dichloropropene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
1,2,3-Trichloropropane	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
1,2-Dibromoethane	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	LP
1,2-Dichlorobenzene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
1,2-Dichloroethane	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
1,2-Dichloropropane	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
1,3-Dichlorobenzene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
1,3-Dichloropropane	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
1,4-Dichlorobenzene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
2,2-Dichloropropane	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
2-Chlorotoluene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
2-Hexanone	ND	24	ug/Kg	03/04/13	R/J	SW8260	
2-Isopropyltoluene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	1
4-Chlorotoluene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	24	ug/Kg	03/04/13	R/J	SW8260	
Acetone	ND	48	ug/Kg	03/04/13	R/J	SW8260	
Acrylonitrile	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Benzene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Bromobenzene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Bromochloromethane	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Bromodichloromethane	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Bromoform	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Bromomethane	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Carbon Disulfide	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Carbon tetrachloride	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Chlorobenzene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Chloroethane	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Chloroform	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Chloromethane	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	1
Dibromochloromethane	ND	2.9	ug/Kg	03/04/13	R/J	SW8260	
Dibromomethane	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Dichlorodifluoromethane	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Ethylbenzene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Hexachlorobutadiene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Isopropylbenzene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
m&p-Xylene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	29	ug/Kg	03/04/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	9.5	ug/Kg	03/04/13	R/J	SW8260	
Methylene chloride	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Naphthalene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
n-Butylbenzene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
n-Propylbenzene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
o-Xylene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
p-Isopropyltoluene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
sec-Butylbenzene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Styrene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
tert-Butylbenzene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Tetrachloroethene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	9.5	ug/Kg	03/04/13	R/J	SW8260	1
Toluene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Total Xylenes	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	9.5	ug/Kg	03/04/13	R/J	SW8260	
Trichloroethene	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Trichlorofluoromethane	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
Vinyl chloride	ND	4.8	ug/Kg	03/04/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	108		%	03/04/13	R/J	70 - 130 %	
% Bromofluorobenzene	95		%	03/04/13	R/J	70 - 130 %	
% Dibromofluoromethane	116		%	03/04/13	R/J	70 - 130 %	
% Toluene-d8	99		%	03/04/13	R/J	70 - 130 %	
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
1,2-Dichlorobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
1,2-Diphenylhydrazine	ND	380	ug/Kg	03/04/13	DD	SW 8270	
1,3-Dichlorobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
1,4-Dichlorobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2,4-Dichlorophenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2,4-Dimethylphenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2,4-Dinitrophenol	ND	600	ug/Kg	03/04/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2-Chloronaphthalene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2-Chlorophenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2-Methylnaphthalene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2-Nitroaniline	ND	600	ug/Kg	03/04/13	DD	SW 8270	
2-Nitrophenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	03/04/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	260	ug/Kg	03/04/13	DD	SW 8270	
3-Nitroaniline	ND	600	ug/Kg	03/04/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	03/04/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	380	ug/Kg	03/04/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
4-Chloroaniline	ND	260	ug/Kg	03/04/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	03/04/13	DD	SW 8270	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND	600	ug/Kg	03/04/13	DD	SW 8270	
4-Nitrophenol	ND	1100	ug/Kg	03/04/13	DD	SW 8270	
Acenaphthene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Acenaphthylene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Acetophenone	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Aniline	ND	1100	ug/Kg	03/04/13	DD	SW 8270	
Anthracene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Benz(a)anthracene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Benzidine	ND	450	ug/Kg	03/04/13	DD	SW 8270	
Benzo(a)pyrene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Benzo(ghi)perylene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	03/04/13	DD	SW 8270	LO
Benzyl butyl phthalate	ND	260	ug/Kg	03/04/13	DD	SW 8270	B
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	380	ug/Kg	03/04/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Carbazole	ND	560	ug/Kg	03/04/13	DD	SW 8270	
Chrysene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Dibenzofuran	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Diethyl phthalate	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Dimethylphthalate	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Di-n-butylphthalate	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Di-n-octylphthalate	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Fluoranthene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Fluorene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Hexachlorobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Hexachlorobutadiene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Hexachloroethane	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Isophorone	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Naphthalene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Nitrobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
N-Nitrosodimethylamine	ND	380	ug/Kg	03/04/13	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	03/04/13	DD	SW 8270	
N-Nitrosodiphenylamine	ND	380	ug/Kg	03/04/13	DD	SW 8270	
Pentachloronitrobenzene	ND	380	ug/Kg	03/04/13	DD	SW 8270	
Pentachlorophenol	ND	380	ug/Kg	03/04/13	DD	SW 8270	
Phenanthrene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Phenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Pyrene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Pyridine	ND	380	ug/Kg	03/04/13	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	106		%	03/04/13	DD	30 - 130 %	
% 2-Fluorobiphenyl	87		%	03/04/13	DD	30 - 130 %	
% 2-Fluorophenol	65		%	03/04/13	DD	30 - 130 %	

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: B8

Phoenix I.D.: BD41874

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
% Nitrobenzene-d5	78		%	03/04/13	DD	30 - 130 %	
% Phenol-d5	77		%	03/04/13	DD	30 - 130 %	
% Terphenyl-d14	>160		%	03/04/13	DD	30 - 130 %	3

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.
3 = This parameter exceeds laboratory specified limits.
B = Present in blank, no bias suspected.

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

* The surrogate failed method criteria due to sample matrix interference for the semivolatile analysis. The other surrogates associated with this sample were within QA/QC criteria.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 06, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 06, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/28/13	12:00
Location Code:	EBC	Received by:	LB	03/01/13	16:37
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD41873
Phoenix ID: BD41875

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: B12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	03/04/13	LK	SW6010
Aluminum	8410	50	mg/Kg	03/04/13	LK	SW6010
Arsenic	2.8	0.7	mg/Kg	03/04/13	LK	SW6010
Barium	43.2	0.34	mg/Kg	03/04/13	LK	SW6010
Beryllium	0.50	0.27	mg/Kg	03/04/13	LK	SW6010
Calcium	1350	5.0	mg/Kg	03/04/13	LK	SW6010
Cadmium	< 0.34	0.34	mg/Kg	03/04/13	LK	SW6010
Cobalt	8.58	0.34	mg/Kg	03/04/13	LK	SW6010
Chromium	17.7	0.34	mg/Kg	03/04/13	LK	SW6010
Copper	16.6	0.34	mg/kg	03/04/13	LK	SW6010
Iron	16000	50	mg/Kg	03/04/13	LK	SW6010
Mercury	< 0.07	0.07	mg/Kg	03/04/13	RS	SW-7471
Potassium	1510	5.0	mg/Kg	03/04/13	LK	SW6010
Magnesium	3240	5.0	mg/Kg	03/04/13	LK	SW6010
Manganese	450	3.4	mg/Kg	03/04/13	LK	SW6010
Sodium	117	5.0	mg/Kg	03/04/13	LK	SW6010
Nickel	33.6	0.34	mg/Kg	03/04/13	LK	SW6010
Lead	12.9	0.34	mg/Kg	03/04/13	LK	SW6010
Antimony	< 3.4	3.4	mg/Kg	03/04/13	LK	SW6010
Selenium	< 1.3	1.3	mg/Kg	03/04/13	LK	SW6010
Thallium	< 0.5	0.5	mg/Kg	03/04/13	LK	SW6010
Vanadium	25.8	0.34	mg/Kg	03/04/13	LK	SW6010
Zinc	37.1	0.34	mg/Kg	03/04/13	LK	SW6010
Percent Solid	91		%	03/01/13	JL	E160.3
Total Cyanide	< 0.55	0.55	mg/Kg	03/03/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			03/01/13	BB/V	SW3545
Soil Extraction for Pesticide	Completed			03/01/13	BB	SW3545
Soil Extraction for SVOA	Completed			03/01/13	JJ/V	SW3545

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			03/04/13	X/X	SW7471	
Total Metals Digest	Completed			03/01/13	AG	SW846 - 3050	
Field Extraction	Completed			02/28/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	72	ug/Kg	03/04/13	AW	SW 8082	
PCB-1221	ND	72	ug/Kg	03/04/13	AW	SW 8082	
PCB-1232	ND	72	ug/Kg	03/04/13	AW	SW 8082	
PCB-1242	ND	72	ug/Kg	03/04/13	AW	SW 8082	
PCB-1248	ND	72	ug/Kg	03/04/13	AW	SW 8082	
PCB-1254	ND	72	ug/Kg	03/04/13	AW	SW 8082	
PCB-1260	ND	72	ug/Kg	03/04/13	AW	SW 8082	
PCB-1262	ND	72	ug/Kg	03/04/13	AW	SW 8082	
PCB-1268	ND	72	ug/Kg	03/04/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	85		%	03/04/13	AW	30 - 150 %	
% TCMX	75		%	03/04/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	2.9	ug/Kg	03/04/13	KCA	SW8081	
4,4' -DDE	ND	2.9	ug/Kg	03/04/13	KCA	SW8081	
4,4' -DDT	ND	2.9	ug/Kg	03/04/13	KCA	SW8081	
a-BHC	ND	3.4	ug/Kg	03/04/13	KCA	SW8081	
Alachlor	ND	3.4	ug/Kg	03/04/13	KCA	SW8081	1
Aldrin	ND	1.1	ug/Kg	03/04/13	KCA	SW8081	
b-BHC	ND	3.4	ug/Kg	03/04/13	KCA	SW8081	
Chlordane	ND	11	ug/Kg	03/04/13	KCA	SW8081	
d-BHC	ND	3.4	ug/Kg	03/04/13	KCA	SW8081	
Dieldrin	ND	1.1	ug/Kg	03/04/13	KCA	SW8081	
Endosulfan I	ND	3.4	ug/Kg	03/04/13	KCA	SW8081	
Endosulfan II	ND	6.9	ug/Kg	03/04/13	KCA	SW8081	
Endosulfan sulfate	ND	6.9	ug/Kg	03/04/13	KCA	SW8081	
Endrin	ND	6.9	ug/Kg	03/04/13	KCA	SW8081	
Endrin aldehyde	ND	6.9	ug/Kg	03/04/13	KCA	SW8081	
Endrin ketone	ND	6.9	ug/Kg	03/04/13	KCA	SW8081	
g-BHC	ND	1.1	ug/Kg	03/04/13	KCA	SW8081	
Heptachlor	ND	2.2	ug/Kg	03/04/13	KCA	SW8081	
Heptachlor epoxide	ND	3.4	ug/Kg	03/04/13	KCA	SW8081	
Methoxychlor	ND	34	ug/Kg	03/04/13	KCA	SW8081	
Toxaphene	ND	34	ug/Kg	03/04/13	KCA	SW8081	
QA/QC Surrogates							
% DCBP	78		%	03/04/13	KCA	30 - 150 %	
% TCMX	67		%	03/04/13	KCA	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
1,1,1-Trichloroethane	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	3.6	ug/Kg	03/04/13	R/J	SW8260	
1,1,2-Trichloroethane	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
1,1-Dichloroethane	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
1,1-Dichloropropene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
1,2,3-Trichloropropane	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
1,2-Dibromoethane	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	LP
1,2-Dichlorobenzene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
1,2-Dichloroethane	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
1,2-Dichloropropane	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
1,3-Dichlorobenzene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
1,3-Dichloropropane	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
1,4-Dichlorobenzene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
2,2-Dichloropropane	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
2-Chlorotoluene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
2-Hexanone	ND	30	ug/Kg	03/04/13	R/J	SW8260	
2-Isopropyltoluene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	1
4-Chlorotoluene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	30	ug/Kg	03/04/13	R/J	SW8260	
Acetone	ND	30	ug/Kg	03/04/13	R/J	SW8260	
Acrylonitrile	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Benzene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Bromobenzene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Bromochloromethane	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Bromodichloromethane	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Bromoform	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Bromomethane	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Carbon Disulfide	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Carbon tetrachloride	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Chlorobenzene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Chloroethane	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Chloroform	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Chloromethane	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	1
Dibromochloromethane	ND	3.6	ug/Kg	03/04/13	R/J	SW8260	
Dibromomethane	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Dichlorodifluoromethane	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Ethylbenzene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Hexachlorobutadiene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Isopropylbenzene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
m&p-Xylene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	36	ug/Kg	03/04/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	03/04/13	R/J	SW8260	
Methylene chloride	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Naphthalene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
n-Butylbenzene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
n-Propylbenzene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
p-Isopropyltoluene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
sec-Butylbenzene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Styrene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
tert-Butylbenzene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Tetrachloroethene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	03/04/13	R/J	SW8260	1
Toluene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Total Xylenes	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	03/04/13	R/J	SW8260	
Trichloroethene	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Trichlorofluoromethane	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
Vinyl chloride	ND	5.9	ug/Kg	03/04/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	03/04/13	R/J	70 - 130 %	
% Bromofluorobenzene	95		%	03/04/13	R/J	70 - 130 %	
% Dibromofluoromethane	105		%	03/04/13	R/J	70 - 130 %	
% Toluene-d8	97		%	03/04/13	R/J	70 - 130 %	
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
1,2-Dichlorobenzene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
1,2-Diphenylhydrazine	ND	360	ug/Kg	03/04/13	DD	SW 8270	
1,3-Dichlorobenzene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
1,4-Dichlorobenzene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	ug/Kg	03/04/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	250	ug/Kg	03/04/13	DD	SW 8270	
2,4-Dichlorophenol	ND	250	ug/Kg	03/04/13	DD	SW 8270	
2,4-Dimethylphenol	ND	250	ug/Kg	03/04/13	DD	SW 8270	
2,4-Dinitrophenol	ND	580	ug/Kg	03/04/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
2-Chloronaphthalene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
2-Chlorophenol	ND	250	ug/Kg	03/04/13	DD	SW 8270	
2-Methylnaphthalene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	ug/Kg	03/04/13	DD	SW 8270	
2-Nitroaniline	ND	580	ug/Kg	03/04/13	DD	SW 8270	
2-Nitrophenol	ND	250	ug/Kg	03/04/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	03/04/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	250	ug/Kg	03/04/13	DD	SW 8270	
3-Nitroaniline	ND	580	ug/Kg	03/04/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	03/04/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	360	ug/Kg	03/04/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	ug/Kg	03/04/13	DD	SW 8270	
4-Chloroaniline	ND	250	ug/Kg	03/04/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	03/04/13	DD	SW 8270	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND	580	ug/Kg	03/04/13	DD	SW 8270	
4-Nitrophenol	ND	1000	ug/Kg	03/04/13	DD	SW 8270	
Acenaphthene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Acenaphthylene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Acetophenone	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Aniline	ND	1000	ug/Kg	03/04/13	DD	SW 8270	
Anthracene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Benz(a)anthracene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Benzidine	ND	430	ug/Kg	03/04/13	DD	SW 8270	
Benzo(a)pyrene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Benzo(ghi)perylene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Benzoic acid	ND	1000	ug/Kg	03/04/13	DD	SW 8270	LO
Benzyl butyl phthalate	ND	250	ug/Kg	03/04/13	DD	SW 8270	B
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	360	ug/Kg	03/04/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Carbazole	ND	540	ug/Kg	03/04/13	DD	SW 8270	
Chrysene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Dibenzofuran	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Diethyl phthalate	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Dimethylphthalate	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Di-n-butylphthalate	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Di-n-octylphthalate	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Fluoranthene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Fluorene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Hexachlorobenzene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Hexachlorobutadiene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Hexachloroethane	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Isophorone	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Naphthalene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Nitrobenzene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
N-Nitrosodimethylamine	ND	360	ug/Kg	03/04/13	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	03/04/13	DD	SW 8270	
N-Nitrosodiphenylamine	ND	360	ug/Kg	03/04/13	DD	SW 8270	
Pentachloronitrobenzene	ND	360	ug/Kg	03/04/13	DD	SW 8270	
Pentachlorophenol	ND	360	ug/Kg	03/04/13	DD	SW 8270	
Phenanthrene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Phenol	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Pyrene	ND	250	ug/Kg	03/04/13	DD	SW 8270	
Pyridine	ND	360	ug/Kg	03/04/13	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	52		%	03/04/13	DD	30 - 130 %	
% 2-Fluorobiphenyl	58		%	03/04/13	DD	30 - 130 %	
% 2-Fluorophenol	50		%	03/04/13	DD	30 - 130 %	

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: B12

Phoenix I.D.: BD41875

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	41		%	03/04/13	DD	30 - 130 %
% Phenol-d5	51		%	03/04/13	DD	30 - 130 %
% Terphenyl-d14	103		%	03/04/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.
B = Present in blank, no bias suspected.

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
March 06, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 06, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/28/13	0:00
Location Code:	EBC	Received by:	LB	03/01/13	16:37
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD41873
Phoenix ID: BD41876

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: DUPLICATE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	03/04/13	LK	SW6010
Aluminum	7600	53	mg/Kg	03/04/13	LK	SW6010
Arsenic	2.9	0.7	mg/Kg	03/04/13	LK	SW6010
Barium	47.4	0.36	mg/Kg	03/04/13	LK	SW6010
Beryllium	0.44	0.28	mg/Kg	03/04/13	LK	SW6010
Calcium	18300	53	mg/Kg	03/04/13	LK	SW6010
Cadmium	< 0.36	0.36	mg/Kg	03/04/13	LK	SW6010
Cobalt	6.68	0.36	mg/Kg	03/04/13	LK	SW6010
Chromium	18.4	0.36	mg/Kg	03/04/13	LK	SW6010
Copper	19.3	0.36	mg/kg	03/04/13	LK	SW6010
Iron	13500	53	mg/Kg	03/04/13	LK	SW6010
Mercury	0.14	0.06	mg/Kg	03/05/13	JA	SW-7471
Potassium	1450	5.3	mg/Kg	03/04/13	LK	SW6010
Magnesium	5640	53	mg/Kg	03/04/13	LK	SW6010
Manganese	367	3.6	mg/Kg	03/04/13	LK	SW6010
Sodium	320	5.3	mg/Kg	03/04/13	LK	SW6010
Nickel	33.7	0.36	mg/Kg	03/04/13	LK	SW6010
Lead	64.8	0.36	mg/Kg	03/04/13	LK	SW6010
Antimony	< 3.6	3.6	mg/Kg	03/04/13	LK	SW6010
Selenium	< 1.4	1.4	mg/Kg	03/04/13	LK	SW6010
Thallium	< 0.6	0.6	mg/Kg	03/04/13	LK	SW6010
Vanadium	22.9	0.36	mg/Kg	03/04/13	LK	SW6010
Zinc	43.1	0.36	mg/Kg	03/04/13	LK	SW6010
Percent Solid	88		%	03/01/13	JL	E160.3
Total Cyanide	< 0.57	0.57	mg/Kg	03/03/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			03/01/13	BB/V	SW3545
Soil Extraction for Pesticide	Completed			03/01/13	BB	SW3545
Soil Extraction for SVOA	Completed			03/01/13	JJ/V	SW3545

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Mercury Digestion	Completed			03/04/13	X/X	SW7471	
Total Metals Digest	Completed			03/01/13	AG	SW846 - 3050	
Field Extraction	Completed			02/28/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	74	ug/Kg	03/04/13	AW	SW 8082	
PCB-1221	ND	74	ug/Kg	03/04/13	AW	SW 8082	
PCB-1232	ND	74	ug/Kg	03/04/13	AW	SW 8082	
PCB-1242	ND	74	ug/Kg	03/04/13	AW	SW 8082	
PCB-1248	ND	74	ug/Kg	03/04/13	AW	SW 8082	
PCB-1254	ND	74	ug/Kg	03/04/13	AW	SW 8082	
PCB-1260	ND	74	ug/Kg	03/04/13	AW	SW 8082	
PCB-1262	ND	74	ug/Kg	03/04/13	AW	SW 8082	
PCB-1268	ND	74	ug/Kg	03/04/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	83		%	03/04/13	AW	30 - 150 %	
% TCMX	71		%	03/04/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	3.0	ug/Kg	03/04/13	KCA	SW8081	
4,4' -DDE	ND	3.0	ug/Kg	03/04/13	KCA	SW8081	
4,4' -DDT	ND	3.0	ug/Kg	03/04/13	KCA	SW8081	
a-BHC	ND	3.5	ug/Kg	03/04/13	KCA	SW8081	
Alachlor	ND	3.5	ug/Kg	03/04/13	KCA	SW8081	1
Aldrin	ND	1.1	ug/Kg	03/04/13	KCA	SW8081	
b-BHC	ND	3.5	ug/Kg	03/04/13	KCA	SW8081	
Chlordane	ND	11	ug/Kg	03/04/13	KCA	SW8081	
d-BHC	ND	3.5	ug/Kg	03/04/13	KCA	SW8081	
Dieldrin	ND	1.1	ug/Kg	03/04/13	KCA	SW8081	
Endosulfan I	ND	3.5	ug/Kg	03/04/13	KCA	SW8081	
Endosulfan II	ND	7.1	ug/Kg	03/04/13	KCA	SW8081	
Endosulfan sulfate	ND	7.1	ug/Kg	03/04/13	KCA	SW8081	
Endrin	ND	7.1	ug/Kg	03/04/13	KCA	SW8081	
Endrin aldehyde	ND	7.1	ug/Kg	03/04/13	KCA	SW8081	
Endrin ketone	ND	7.1	ug/Kg	03/04/13	KCA	SW8081	
g-BHC	ND	1.1	ug/Kg	03/04/13	KCA	SW8081	
Heptachlor	ND	2.2	ug/Kg	03/04/13	KCA	SW8081	
Heptachlor epoxide	ND	3.5	ug/Kg	03/04/13	KCA	SW8081	
Methoxychlor	ND	35	ug/Kg	03/04/13	KCA	SW8081	
Toxaphene	ND	35	ug/Kg	03/04/13	KCA	SW8081	
QA/QC Surrogates							
% DCBP	74		%	03/04/13	KCA	30 - 150 %	
% TCMX	64		%	03/04/13	KCA	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
1,1,1-Trichloroethane	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	3.2	ug/Kg	03/04/13	R/J	SW8260	
1,1,2-Trichloroethane	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
1,1-Dichloroethane	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: DUPLICATE

Phoenix I.D.: BD41876

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
1,1-Dichloropropene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
1,2,3-Trichloropropane	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
1,2-Dibromoethane	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	LP
1,2-Dichlorobenzene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
1,2-Dichloroethane	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
1,2-Dichloropropane	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
1,3-Dichlorobenzene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
1,3-Dichloropropane	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
1,4-Dichlorobenzene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
2,2-Dichloropropane	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
2-Chlorotoluene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
2-Hexanone	ND	27	ug/Kg	03/04/13	R/J	SW8260	
2-Isopropyltoluene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	1
4-Chlorotoluene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	27	ug/Kg	03/04/13	R/J	SW8260	
Acetone	ND	27	ug/Kg	03/04/13	R/J	SW8260	
Acrylonitrile	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Benzene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Bromobenzene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Bromochloromethane	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Bromodichloromethane	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Bromoform	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Bromomethane	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Carbon Disulfide	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Carbon tetrachloride	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Chlorobenzene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Chloroethane	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Chloroform	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Chloromethane	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	1
Dibromochloromethane	ND	3.2	ug/Kg	03/04/13	R/J	SW8260	
Dibromomethane	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Dichlorodifluoromethane	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Ethylbenzene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Hexachlorobutadiene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Isopropylbenzene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
m&p-Xylene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	32	ug/Kg	03/04/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	03/04/13	R/J	SW8260	
Methylene chloride	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Naphthalene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
n-Butylbenzene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
n-Propylbenzene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
o-Xylene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
p-Isopropyltoluene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
sec-Butylbenzene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Styrene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
tert-Butylbenzene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Tetrachloroethene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	11	ug/Kg	03/04/13	R/J	SW8260	1
Toluene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Total Xylenes	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	03/04/13	R/J	SW8260	
Trichloroethene	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Trichlorofluoromethane	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
Vinyl chloride	ND	5.3	ug/Kg	03/04/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	03/04/13	R/J	70 - 130 %	
% Bromofluorobenzene	90		%	03/04/13	R/J	70 - 130 %	
% Dibromofluoromethane	102		%	03/04/13	R/J	70 - 130 %	
% Toluene-d8	97		%	03/04/13	R/J	70 - 130 %	
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
1,2-Dichlorobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
1,2-Diphenylhydrazine	ND	380	ug/Kg	03/04/13	DD	SW 8270	
1,3-Dichlorobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
1,4-Dichlorobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2,4-Dichlorophenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2,4-Dimethylphenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2,4-Dinitrophenol	ND	600	ug/Kg	03/04/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2-Chloronaphthalene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2-Chlorophenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2-Methylnaphthalene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	ug/Kg	03/04/13	DD	SW 8270	
2-Nitroaniline	ND	600	ug/Kg	03/04/13	DD	SW 8270	
2-Nitrophenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	03/04/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	260	ug/Kg	03/04/13	DD	SW 8270	
3-Nitroaniline	ND	600	ug/Kg	03/04/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	03/04/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	380	ug/Kg	03/04/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
4-Chloroaniline	ND	260	ug/Kg	03/04/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	03/04/13	DD	SW 8270	

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: DUPLICATE

Phoenix I.D.: BD41876

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Nitroaniline	ND	600	ug/Kg	03/04/13	DD	SW 8270	
4-Nitrophenol	ND	1100	ug/Kg	03/04/13	DD	SW 8270	
Acenaphthene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Acenaphthylene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Acetophenone	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Aniline	ND	1100	ug/Kg	03/04/13	DD	SW 8270	
Anthracene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Benz(a)anthracene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Benzidine	ND	450	ug/Kg	03/04/13	DD	SW 8270	
Benzo(a)pyrene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Benzo(ghi)perylene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	03/04/13	DD	SW 8270	LO
Benzyl butyl phthalate	ND	260	ug/Kg	03/04/13	DD	SW 8270	B
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	380	ug/Kg	03/04/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Carbazole	ND	570	ug/Kg	03/04/13	DD	SW 8270	
Chrysene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Dibenzofuran	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Diethyl phthalate	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Dimethylphthalate	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Di-n-butylphthalate	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Di-n-octylphthalate	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Fluoranthene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Fluorene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Hexachlorobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Hexachlorobutadiene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Hexachloroethane	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Isophorone	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Naphthalene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Nitrobenzene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
N-Nitrosodimethylamine	ND	380	ug/Kg	03/04/13	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	03/04/13	DD	SW 8270	
N-Nitrosodiphenylamine	ND	380	ug/Kg	03/04/13	DD	SW 8270	
Pentachloronitrobenzene	ND	380	ug/Kg	03/04/13	DD	SW 8270	
Pentachlorophenol	ND	380	ug/Kg	03/04/13	DD	SW 8270	
Phenanthrene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Phenol	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Pyrene	ND	260	ug/Kg	03/04/13	DD	SW 8270	
Pyridine	ND	380	ug/Kg	03/04/13	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	65		%	03/04/13	DD	30 - 130 %	
% 2-Fluorobiphenyl	59		%	03/04/13	DD	30 - 130 %	
% 2-Fluorophenol	52		%	03/04/13	DD	30 - 130 %	

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: DUPLICATE

Phoenix I.D.: BD41876

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	64		%	03/04/13	DD	30 - 130 %
% Phenol-d5	57		%	03/04/13	DD	30 - 130 %
% Terphenyl-d14	70		%	03/04/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.
B = Present in blank, no bias suspected.

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
March 06, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 06, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/28/13	0:00
Location Code:	EBC	Received by:	LB	03/01/13	16:37
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD41873
Phoenix ID: BD41877

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: LO TRIP BLANK

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Percent Solid	100	1	%			E160.3	
Field Extraction	Completed			02/28/13		SW5035	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	03/03/13	R/J	SW8260	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
1,1-Dichloroethane	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
1,1-Dichloroethene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
1,1-Dichloropropene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
1,2,3-Trichloropropane	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
1,2-Dibromoethane	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	LP
1,2-Dichlorobenzene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
1,2-Dichloroethane	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
1,2-Dichloropropane	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
1,3-Dichloropropane	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
2,2-Dichloropropane	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
2-Chlorotoluene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
2-Hexanone	ND	25	ug/Kg	03/03/13	R/J	SW8260	
2-Isopropyltoluene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	1
4-Chlorotoluene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: LO TRIP BLANK

Phoenix I.D.: BD41877

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND	25	ug/Kg	03/03/13	R/J	SW8260	
Acetone	ND	50	ug/Kg	03/03/13	R/J	SW8260	
Acrylonitrile	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Benzene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Bromobenzene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Bromochloromethane	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Bromodichloromethane	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Bromoform	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Bromomethane	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Carbon Disulfide	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Carbon tetrachloride	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Chlorobenzene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Chloroethane	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Chloroform	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Chloromethane	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	1
Dibromochloromethane	ND	3.0	ug/Kg	03/03/13	R/J	SW8260	
Dibromomethane	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Dichlorodifluoromethane	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Ethylbenzene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Hexachlorobutadiene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Isopropylbenzene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
m&p-Xylene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	30	ug/Kg	03/03/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	03/03/13	R/J	SW8260	
Methylene chloride	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Naphthalene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
n-Butylbenzene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
n-Propylbenzene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
o-Xylene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
p-Isopropyltoluene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
sec-Butylbenzene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Styrene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
tert-Butylbenzene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Tetrachloroethene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	10	ug/Kg	03/03/13	R/J	SW8260	1
Toluene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Total Xylenes	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	03/03/13	R/J	SW8260	
Trichloroethene	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Trichlorofluoromethane	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
Vinyl chloride	ND	5.0	ug/Kg	03/03/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	03/03/13	R/J	70 - 130 %	
% Bromofluorobenzene	93		%	03/03/13	R/J	70 - 130 %	
% Dibromofluoromethane	102		%	03/03/13	R/J	70 - 130 %	

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: LO TRIP BLANK

Phoenix I.D.: BD41877

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	98		%	03/03/13	R/J	70 - 130 %

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

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

Comments:

TRIP BLANK INCLUDED 100% SOLID ASSUMED

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 06, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

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

NY # 11301

Analysis Report

March 06, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/28/13	0:00
Location Code:	EBC	Received by:	LB	03/01/13	16:37
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD41873
Phoenix ID: BD41878

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: HIGH TRIP BLANK

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Percent Solid	100	1	%			E160.3	
Field Extraction	Completed			02/28/13		SW5035	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
1,1,1-Trichloroethane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
1,1,2-Trichloroethane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
1,1-Dichloroethane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
1,1-Dichloroethene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
1,1-Dichloropropene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
1,2,3-Trichloropropane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
1,2-Dibromoethane	ND	250	ug/Kg	03/04/13	R/J	SW8260	LP
1,2-Dichlorobenzene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
1,2-Dichloroethane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
1,2-Dichloropropane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
1,3-Dichlorobenzene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
1,3-Dichloropropane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
1,4-Dichlorobenzene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
2,2-Dichloropropane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
2-Chlorotoluene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
2-Hexanone	ND	1300	ug/Kg	03/04/13	R/J	SW8260	
2-Isopropyltoluene	ND	250	ug/Kg	03/04/13	R/J	SW8260	1
4-Chlorotoluene	ND	250	ug/Kg	03/04/13	R/J	SW8260	

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: HIGH TRIP BLANK

Phoenix I.D.: BD41878

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND	1300	ug/Kg	03/04/13	R/J	SW8260	
Acetone	ND	5000	ug/Kg	03/04/13	R/J	SW8260	
Acrylonitrile	ND	500	ug/Kg	03/04/13	R/J	SW8260	
Benzene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Bromobenzene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Bromochloromethane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Bromodichloromethane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Bromoform	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Bromomethane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Carbon Disulfide	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Carbon tetrachloride	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Chlorobenzene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Chloroethane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Chloroform	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Chloromethane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	250	ug/Kg	03/04/13	R/J	SW8260	1
Dibromochloromethane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Dibromomethane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Dichlorodifluoromethane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Ethylbenzene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Hexachlorobutadiene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Isopropylbenzene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
m&p-Xylene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	3000	ug/Kg	03/04/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Methylene chloride	ND	500	ug/Kg	03/04/13	R/J	SW8260	
Naphthalene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
n-Butylbenzene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
n-Propylbenzene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
o-Xylene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
p-Isopropyltoluene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
sec-Butylbenzene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Styrene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
tert-Butylbenzene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Tetrachloroethene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	500	ug/Kg	03/04/13	R/J	SW8260	1
Toluene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Total Xylenes	ND	250	ug/Kg	03/04/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	500	ug/Kg	03/04/13	R/J	SW8260	
Trichloroethene	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Trichlorofluoromethane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	250	ug/Kg	03/04/13	R/J	SW8260	
Vinyl chloride	ND	250	ug/Kg	03/04/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	03/04/13	R/J	70 - 130 %	
% Bromofluorobenzene	94		%	03/04/13	R/J	70 - 130 %	
% Dibromofluoromethane	103		%	03/04/13	R/J	70 - 130 %	

Project ID: 85-89 4TH AVE., BROOKLYN, NY
Client ID: HIGH TRIP BLANK

Phoenix I.D.: BD41878

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	99		%	03/04/13	R/J	70 - 130 %

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

Comments:

TRIP BLANK INCLUDED 100% SOLID ASSUMED

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

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Phyllis Shiller, Laboratory Director
March 06, 2013
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 06, 2013

QA/QC Data

SDG I.D.: GBD41873

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 222535, QC Sample No: BD41566 (BD41876)													
Mercury - Soil	BRL	0.13	0.17	NC	101	99.8	1.2	>125	>125	NC	70 - 130	30	m
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 222485, QC Sample No: BD41798 (BD41873, BD41874, BD41875, BD41876)													
ICP Metals - Soil													
Aluminum	BRL	14200	15100	6.10	81.7	80.2	1.9	NC	NC	NC	75 - 125	30	
Antimony	BRL	<4.3	<4.1	NC	100	105	4.9	79.1	80.8	2.1	75 - 125	30	
Arsenic	BRL	5.0	5.00	0	96.5	95.7	0.8	92.6	89.8	3.1	75 - 125	30	
Barium	BRL	104	115	10.0	101	100	1.0	80.7	69.9	14.3	75 - 125	30	m
Beryllium	BRL	0.64	0.59	NC	102	104	1.9	94.4	92.4	2.1	75 - 125	30	
Cadmium	BRL	<0.43	<0.41	NC	98.5	102	3.5	89.6	88.4	1.3	75 - 125	30	
Calcium	BRL	26300	11800	76.1	101	102	1.0	NC	NC	NC	75 - 125	30	r
Chromium	BRL	20.7	24.0	14.8	100	103	3.0	95.9	121	23.1	75 - 125	30	
Cobalt	BRL	11.6	12.2	5.00	101	104	2.9	90.9	91.7	0.9	75 - 125	30	
Copper	BRL	49.4	47.2	4.60	107	110	2.8	104	113	8.3	75 - 125	30	
Iron	BRL	23900	26800	11.4	94.6	93.1	1.6	NC	NC	NC	75 - 125	30	
Lead	BRL	26.1	28.4	8.40	99.5	99.3	0.2	92.9	>130	NC	75 - 125	30	m
Magnesium	BRL	17800	12100	38.1	93.6	93.0	0.6	NC	NC	NC	75 - 125	30	r
Manganese	BRL	382	382	0	99.4	100	0.6	58.4	>130	NC	75 - 125	30	m
Nickel	BRL	32.7	29.3	11.0	101	105	3.9	84.6	85.3	0.8	75 - 125	30	
Potassium	BRL	3430	3830	11.0	96.6	95.9	0.7	35.6	88.3	85.1	75 - 125	30	m,r
Selenium	BRL	<1.7	<1.6	NC	94.9	95.3	0.4	76.5	72.0	6.1	75 - 125	30	m
Silver	BRL	<0.43	<0.41	NC	100	98.1	1.9	102	100	2.0	75 - 125	30	
Sodium	BRL	213	200	6.30	106	120	12.4	>130	>130	NC	75 - 125	30	m
Thallium	BRL	<3.9	<3.7	NC	101	103	2.0	92.1	89.7	2.6	75 - 125	30	
Vanadium	BRL	32.0	35.8	11.2	102	104	1.9	98.4	96.5	1.9	75 - 125	30	
Zinc	BRL	99.3	94.4	5.10	96.5	98.1	1.6	83.2	>130	NC	75 - 125	30	m
QA/QC Batch 222534, QC Sample No: BD41873 (BD41873, BD41874, BD41875)													
Mercury - Soil	BRL	0.09	0.10	NC	105	104	1.0	116	120	3.4	70 - 130	30	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													

m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

QA/QC Report

March 06, 2013

QA/QC Data

SDG I.D.: GBD41873

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 222527, QC Sample No: BD42028 (BD41873, BD41874, BD41875, BD41876)												
Total Cyanide	BRL	<0.61	<0.61	NC	101			95.5			85 - 115	30

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 06, 2013

QA/QC Data

SDG I.D.: GBD41873

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 222381, QC Sample No: BD41288 (BD41873, BD41874, BD41875, BD41876)									
Pesticides - Soil									
4,4' -DDD	ND	56	63	11.8	65	67	3.0	40 - 140	30
4,4' -DDE	ND	63	67	6.2	71	69	2.9	40 - 140	30
4,4' -DDT	ND	61	68	10.9	70	74	5.6	40 - 140	30
a-BHC	ND	64	66	3.1	72	74	2.7	40 - 140	30
a-Chlordane	ND	65	69	6.0	73	73	0.0	40 - 140	30
Alachlor	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30
Aldrin	ND	65	68	4.5	72	73	1.4	40 - 140	30
b-BHC	ND	67	68	1.5	75	78	3.9	40 - 140	30
Chlordane	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30
d-BHC	ND	56	58	3.5	63	65	3.1	40 - 140	30
Dieldrin	ND	64	71	10.4	76	75	1.3	40 - 140	30
Endosulfan I	ND	65	70	7.4	75	75	0.0	40 - 140	30
Endosulfan II	ND	65	73	11.6	79	79	0.0	40 - 140	30
Endosulfan sulfate	ND	64	71	10.4	76	77	1.3	40 - 140	30
Endrin	ND	70	79	12.1	84	83	1.2	40 - 140	30
Endrin aldehyde	ND	65	72	10.2	80	77	3.8	40 - 140	30
Endrin ketone	ND	76	81	6.4	85	88	3.5	40 - 140	30
g-BHC	ND	65	67	3.0	73	75	2.7	40 - 140	30
g-Chlordane	ND	63	67	6.2	71	71	0.0	40 - 140	30
Heptachlor	ND	64	66	3.1	69	76	9.7	40 - 140	30
Heptachlor epoxide	ND	64	68	6.1	74	74	0.0	40 - 140	30
Methoxychlor	ND	56	61	8.5	64	70	9.0	40 - 140	30
Toxaphene	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30
% DCBP	53	62	66	6.3	69	70	1.4	30 - 150	30
% TCMX	60	63	64	1.6	67	70	4.4	30 - 150	30
QA/QC Batch 222468, QC Sample No: BD41560 (BD41873, BD41874, BD41875, BD41876)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	85	84	1.2	84	79	6.1	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	85	78	8.6	83	72	14.2	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	89	96	92	4.3	92	90	2.2	30 - 150	30
% TCMX (Surrogate Rec)	85	91	89	2.2	90	87	3.4	30 - 150	30

QA/QC Data

SDG I.D.: GBD41873

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 222654, QC Sample No: BD41806 (BD41873, BD41874)										
Volatiles - Soil										
1,1,1,2-Tetrachloroethane	ND	109	104	4.7	131	100	26.8	70 - 130	30	m
1,1,1-Trichloroethane	ND	109	107	1.9	135	102	27.8	70 - 130	30	m
1,1,2,2-Tetrachloroethane	ND	94	89	5.5	117	95	20.8	70 - 130	30	
1,1,2-Trichloroethane	ND	116	106	9.0	132	107	20.9	70 - 130	30	m
1,1-Dichloroethane	ND	115	113	1.8	142	109	26.3	70 - 130	30	m
1,1-Dichloroethene	ND	122	120	1.7	148	109	30.4	70 - 130	30	m
1,1-Dichloropropene	ND	109	108	0.9	144	107	29.5	70 - 130	30	m
1,2,3-Trichlorobenzene	ND	107	87	20.6	113	106	6.4	70 - 130	30	
1,2,3-Trichloropropane	ND	96	99	3.1	130	86	40.7	70 - 130	30	r
1,2,4-Trichlorobenzene	ND	97	83	15.6	117	101	14.7	70 - 130	30	
1,2,4-Trimethylbenzene	ND	96	93	3.2	119	92	25.6	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	100	93	7.3	113	100	12.2	70 - 130	30	
1,2-Dibromoethane	ND	114	102	11.1	134	109	20.6	70 - 130	30	m
1,2-Dichlorobenzene	ND	99	95	4.1	122	97	22.8	70 - 130	30	
1,2-Dichloroethane	ND	113	102	10.2	132	107	20.9	70 - 130	30	m
1,2-Dichloropropane	ND	109	103	5.7	128	103	21.6	70 - 130	30	
1,3,5-Trimethylbenzene	ND	95	94	1.1	121	92	27.2	70 - 130	30	
1,3-Dichlorobenzene	ND	96	93	3.2	123	95	25.7	70 - 130	30	
1,3-Dichloropropane	ND	102	95	7.1	122	97	22.8	70 - 130	30	
1,4-Dichlorobenzene	ND	97	93	4.2	122	95	24.9	70 - 130	30	
2,2-Dichloropropane	ND	110	105	4.7	126	99	24.0	70 - 130	30	
2-Chlorotoluene	ND	94	90	4.3	121	95	24.1	70 - 130	30	
2-Hexanone	ND	63	60	4.9	64	54	16.9	70 - 130	30	l,m
2-Isopropyltoluene	ND	96	93	3.2	123	94	26.7	70 - 130	30	
4-Chlorotoluene	ND	94	90	4.3	121	95	24.1	70 - 130	30	
4-Methyl-2-pentanone	ND	105	94	11.1	119	100	17.4	70 - 130	30	
Acetone	ND	66	67	1.5	<40	<40	NC	70 - 130	30	l,m
Acrylonitrile	ND	119	117	1.7	>150	128	NC	70 - 130	30	m
Benzene	ND	109	104	4.7	135	103	26.9	70 - 130	30	m
Bromobenzene	ND	99	96	3.1	123	96	24.7	70 - 130	30	
Bromochloromethane	ND	120	113	6.0	141	112	22.9	70 - 130	30	m
Bromodichloromethane	ND	115	108	6.3	133	103	25.4	70 - 130	30	m
Bromoform	ND	117	111	5.3	131	106	21.1	70 - 130	30	m
Bromomethane	ND	142	121	16.0	102	80	24.2	70 - 130	30	l
Carbon Disulfide	ND	114	112	1.8	143	104	31.6	70 - 130	30	m,r
Carbon tetrachloride	ND	117	113	3.5	137	105	26.4	70 - 130	30	m
Chlorobenzene	ND	104	101	2.9	130	99	27.1	70 - 130	30	
Chloroethane	ND	130	127	2.3	59	46	24.8	70 - 130	30	m
Chloroform	ND	111	106	4.6	134	106	23.3	70 - 130	30	m
Chloromethane	ND	105	100	4.9	121	98	21.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	124	116	6.7	145	117	21.4	70 - 130	30	m
cis-1,3-Dichloropropene	ND	108	101	6.7	125	101	21.2	70 - 130	30	
Dibromochloromethane	ND	110	104	5.6	125	100	22.2	70 - 130	30	
Dibromomethane	ND	118	107	9.8	136	108	23.0	70 - 130	30	m
Dichlorodifluoromethane	ND	110	105	4.7	121	92	27.2	70 - 130	30	
Ethylbenzene	ND	100	97	3.0	132	99	28.6	70 - 130	30	m
Hexachlorobutadiene	ND	97	89	8.6	123	104	16.7	70 - 130	30	
Isopropylbenzene	ND	96	97	1.0	123	92	28.8	70 - 130	30	
m&p-Xylene	ND	103	100	3.0	134	99	30.0	70 - 130	30	m
Methyl ethyl ketone	ND	62	56	10.2	58	51	12.8	70 - 130	30	l,m

QA/QC Data

SDG I.D.: GBD41873

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Methyl t-butyl ether (MTBE)	ND	108	100	7.7	134	102	27.1	70 - 130	30	m
Methylene chloride	ND	121	114	6.0	141	101	33.1	70 - 130	30	m,r
Naphthalene	ND	114	85	29.1	101	113	11.2	70 - 130	30	
n-Butylbenzene	ND	91	87	4.5	120	93	25.4	70 - 130	30	
n-Propylbenzene	ND	96	98	2.1	124	93	28.6	70 - 130	30	
o-Xylene	ND	108	102	5.7	134	100	29.1	70 - 130	30	m
p-Isopropyltoluene	ND	96	95	1.0	123	93	27.8	70 - 130	30	
sec-Butylbenzene	ND	94	93	1.1	124	92	29.6	70 - 130	30	
Styrene	ND	106	99	6.8	136	104	26.7	70 - 130	30	m
tert-Butylbenzene	ND	97	96	1.0	124	92	29.6	70 - 130	30	
Tetrachloroethene	ND	104	104	0.0	140	102	31.4	70 - 130	30	m,r
Tetrahydrofuran (THF)	ND	111	97	13.5	127	106	18.0	70 - 130	30	
Toluene	ND	109	105	3.7	136	104	26.7	70 - 130	30	m
trans-1,2-Dichloroethene	ND	114	117	2.6	148	102	36.8	70 - 130	30	m,r
trans-1,3-Dichloropropene	ND	111	100	10.4	128	104	20.7	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	98	90	8.5	111	97	13.5	70 - 130	30	
Trichloroethene	ND	117	113	3.5	140	106	27.6	70 - 130	30	m
Trichlorofluoromethane	ND	126	120	4.9	71	<40	NC	70 - 130	30	m
Trichlorotrifluoroethane	ND	121	118	2.5	>150	113	NC	70 - 130	30	m
Vinyl chloride	ND	108	103	4.7	126	96	27.0	70 - 130	30	
% 1,2-dichlorobenzene-d4	102	99	99	0.0	100	101	1.0	70 - 130	30	
% Bromofluorobenzene	95	97	96	1.0	101	98	3.0	70 - 130	30	
% Dibromofluoromethane	103	102	104	1.9	100	106	5.8	70 - 130	30	
% Toluene-d8	97	101	99	2.0	99	98	1.0	70 - 130	30	

Comment:

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

QA/QC Batch 222489, QC Sample No: BD41874 (BD41873, BD41874, BD41875, BD41876)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	67	75	11.3	98	75	26.6	30 - 130	30	
1,2,4-Trichlorobenzene	ND	72	75	4.1	84	82	2.4	30 - 130	30	
1,2-Dichlorobenzene	ND	78	65	18.2	81	84	3.6	30 - 130	30	
1,2-Diphenylhydrazine	NR	84	81	3.6	81	81	0.0	30 - 130	30	
1,3-Dichlorobenzene	ND	77	70	9.5	82	75	8.9	30 - 130	30	
1,4-Dichlorobenzene	ND	73	75	2.7	83	82	1.2	30 - 130	30	
2,4,5-Trichlorophenol	ND	70	95	30.3	91	88	3.4	30 - 130	30	
2,4,6-Trichlorophenol	ND	74	88	17.3	92	88	4.4	30 - 130	30	
2,4-Dichlorophenol	ND	78	79	1.3	89	90	1.1	30 - 130	30	
2,4-Dimethylphenol	ND	54	54	0.0	61	62	1.6	30 - 130	30	
2,4-Dinitrophenol	ND	5.9	8.7	38.4	5.1	11	73.3	30 - 130	30	l,m,r
2,4-Dinitrotoluene	ND	80	79	1.3	87	83	4.7	30 - 130	30	
2,6-Dinitrotoluene	ND	84	83	1.2	85	93	9.0	30 - 130	30	
2-Chloronaphthalene	ND	75	105	33.3	95	99	4.1	30 - 130	30	r
2-Chlorophenol	ND	77	80	3.8	84	91	8.0	30 - 130	30	
2-Methylnaphthalene	ND	67	77	13.9	100	81	21.0	30 - 130	30	
2-Methylphenol (o-cresol)	ND	88	68	25.6	93	78	17.5	30 - 130	30	
2-Nitroaniline	ND	113	94	18.4	105	140	28.6	30 - 130	30	m
2-Nitrophenol	ND	74	78	5.3	82	84	2.4	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	81	67	18.9	78	74	5.3	30 - 130	30	
3,3'-Dichlorobenzidine	ND	86	102	17.0	93	97	4.2	30 - 130	30	
3-Nitroaniline	ND	77	103	28.9	93	104	11.2	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	36	48	28.6	40	60	40.0	30 - 130	30	r
4-Bromophenyl phenyl ether	ND	88	93	5.5	96	98	2.1	30 - 130	30	

QA/QC Data

SDG I.D.: GBD41873

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
4-Chloro-3-methylphenol	ND	67	74	9.9	99	84	16.4	30 - 130	30	
4-Chloroaniline	ND	87	90	3.4	98	97	1.0	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	85	86	1.2	82	100	19.8	30 - 130	30	
4-Nitroaniline	ND	77	104	29.8	96	105	9.0	30 - 130	30	
4-Nitrophenol	ND	94	69	30.7	99	99	0.0	30 - 130	30	r
Acenaphthene	ND	85	86	1.2	96	98	2.1	30 - 130	30	
Acenaphthylene	ND	84	84	0.0	90	96	6.5	30 - 130	30	
Acetophenone	ND	82	69	17.2	89	77	14.5	30 - 130	30	
Aniline	ND	100	102	2.0	104	106	1.9	30 - 130	30	
Anthracene	ND	86	89	3.4	96	100	4.1	30 - 130	30	
Benz(a)anthracene	ND	85	87	2.3	96	97	1.0	30 - 130	30	
Benzidine	ND	36	39	8.0	17	17	0.0	30 - 130	30	m
Benzo(a)pyrene	ND	78	80	2.5	89	91	2.2	30 - 130	30	
Benzo(b)fluoranthene	ND	88	93	5.5	100	98	2.0	30 - 130	30	
Benzo(ghi)perylene	ND	77	65	16.9	97	88	9.7	30 - 130	30	
Benzo(k)fluoranthene	ND	95	94	1.1	109	105	3.7	30 - 130	30	
Benzyl butyl phthalate	570	80	77	3.8	93	91	2.2	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	82	80	2.5	87	87	0.0	30 - 130	30	
Bis(2-chloroethyl)ether	ND	79	78	1.3	75	88	16.0	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	89	69	25.3	96	76	23.3	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	95	90	5.4	106	101	4.8	30 - 130	30	
Carbazole	ND	117	95	20.8	130	137	5.2	30 - 130	30	m
Chrysene	ND	82	90	9.3	100	100	0.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	79	69	13.5	101	87	14.9	30 - 130	30	
Dibenzofuran	ND	85	85	0.0	94	88	6.6	30 - 130	30	
Diethyl phthalate	ND	78	82	5.0	91	95	4.3	30 - 130	30	
Dimethylphthalate	ND	90	88	2.2	97	98	1.0	30 - 130	30	
Di-n-butylphthalate	ND	87	86	1.2	97	97	0.0	30 - 130	30	
Di-n-octylphthalate	ND	83	92	10.3	85	96	12.2	30 - 130	30	
Fluoranthene	ND	94	85	10.1	106	116	9.0	30 - 130	30	
Fluorene	ND	82	85	3.6	82	98	17.8	30 - 130	30	
Hexachlorobenzene	ND	83	91	9.2	99	97	2.0	30 - 130	30	
Hexachlorobutadiene	ND	74	71	4.1	90	77	15.6	30 - 130	30	
Hexachlorocyclopentadiene	ND	28	54	63.4	40	43	7.2	30 - 130	30	l,r
Hexachloroethane	ND	67	67	0.0	80	71	11.9	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	80	69	14.8	100	88	12.8	30 - 130	30	
Isophorone	ND	88	86	2.3	94	86	8.9	30 - 130	30	
Naphthalene	ND	77	79	2.6	89	90	1.1	30 - 130	30	
Nitrobenzene	ND	83	71	15.6	91	78	15.4	30 - 130	30	
N-Nitrosodimethylamine	ND	73	72	1.4	79	80	1.3	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	79	66	17.9	87	74	16.1	30 - 130	30	
N-Nitrosodiphenylamine	ND	98	96	2.1	93	97	4.2	30 - 130	30	
Pentachloronitrobenzene	ND	88	91	3.4	89	98	9.6	30 - 130	30	
Pentachlorophenol	ND	89	79	11.9	93	121	26.2	30 - 130	30	
Phenanthrene	ND	90	90	0.0	100	102	2.0	30 - 130	30	
Phenol	ND	80	79	1.3	85	86	1.2	30 - 130	30	
Pyrene	ND	99	86	14.1	113	124	9.3	30 - 130	30	
Pyridine	ND	65	63	3.1	65	63	3.1	30 - 130	30	
% 2,4,6-Tribromophenol	85	89	86	3.4	93	98	5.2	30 - 130	30	
% 2-Fluorobiphenyl	91	74	106	35.6	95	89	6.5	30 - 130	30	r
% 2-Fluorophenol	64	68	66	3.0	76	69	9.7	30 - 130	30	
% Nitrobenzene-d5	87	83	70	17.0	88	77	13.3	30 - 130	30	
% Phenol-d5	80	77	75	2.6	84	84	0.0	30 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Terphenyl-d14	100	101	96	5.1	115	130	12.2	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 222592, QC Sample No: BD41877 (BD41877)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	97	101	4.0				70 - 130	30
1,1,1-Trichloroethane	ND	97	101	4.0				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	81	87	7.1				70 - 130	30
1,1,2-Trichloroethane	ND	96	100	4.1				70 - 130	30
1,1-Dichloroethane	ND	98	106	7.8				70 - 130	30
1,1-Dichloroethene	ND	104	109	4.7				70 - 130	30
1,1-Dichloropropene	ND	98	101	3.0				70 - 130	30
1,2,3-Trichlorobenzene	ND	86	82	4.8				70 - 130	30
1,2,3-Trichloropropane	ND	76	94	21.2				70 - 130	30
1,2,4-Trichlorobenzene	ND	76	74	2.7				70 - 130	30
1,2,4-Trimethylbenzene	ND	83	88	5.8				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	84	92	9.1				70 - 130	30
1,2-Dibromoethane	ND	93	97	4.2				70 - 130	30
1,2-Dichlorobenzene	ND	87	92	5.6				70 - 130	30
1,2-Dichloroethane	ND	93	95	2.1				70 - 130	30
1,2-Dichloropropane	ND	94	99	5.2				70 - 130	30
1,3,5-Trimethylbenzene	ND	85	90	5.7				70 - 130	30
1,3-Dichlorobenzene	ND	83	88	5.8				70 - 130	30
1,3-Dichloropropane	ND	87	92	5.6				70 - 130	30
1,4-Dichlorobenzene	ND	82	86	4.8				70 - 130	30
2,2-Dichloropropane	ND	96	101	5.1				70 - 130	30
2-Chlorotoluene	ND	80	86	7.2				70 - 130	30
2-Hexanone	ND	58	62	6.7				70 - 130	30
2-Isopropyltoluene	ND	87	92	5.6				70 - 130	30
4-Chlorotoluene	ND	80	86	7.2				70 - 130	30
4-Methyl-2-pentanone	ND	80	85	6.1				70 - 130	30
Acetone	ND	70	70	0.0				70 - 130	30
Acrylonitrile	ND	93	104	11.2				70 - 130	30
Benzene	ND	95	98	3.1				70 - 130	30
Bromobenzene	ND	87	94	7.7				70 - 130	30
Bromochloromethane	ND	100	103	3.0				70 - 130	30
Bromodichloromethane	ND	96	101	5.1				70 - 130	30
Bromoform	ND	100	104	3.9				70 - 130	30
Bromomethane	ND	117	113	3.5				70 - 130	30
Carbon Disulfide	ND	96	101	5.1				70 - 130	30
Carbon tetrachloride	ND	103	109	5.7				70 - 130	30
Chlorobenzene	ND	93	96	3.2				70 - 130	30
Chloroethane	ND	110	116	5.3				70 - 130	30
Chloroform	ND	97	99	2.0				70 - 130	30
Chloromethane	ND	88	89	1.1				70 - 130	30
cis-1,2-Dichloroethene	ND	106	108	1.9				70 - 130	30
cis-1,3-Dichloropropene	ND	91	94	3.2				70 - 130	30
Dibromochloromethane	ND	95	100	5.1				70 - 130	30
Dibromomethane	ND	98	101	3.0				70 - 130	30
Dichlorodifluoromethane	ND	86	88	2.3				70 - 130	30
Ethylbenzene	ND	89	94	5.5				70 - 130	30

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Hexachlorobutadiene	ND	80	80	0.0				70 - 130	30
Isopropylbenzene	ND	89	95	6.5				70 - 130	30
m&p-Xylene	ND	91	94	3.2				70 - 130	30
Methyl ethyl ketone	ND	58	60	3.4				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	88	95	7.7				70 - 130	30
Methylene chloride	ND	103	107	3.8				70 - 130	30
Naphthalene	ND	94	81	14.9				70 - 130	30
n-Butylbenzene	ND	77	80	3.8				70 - 130	30
n-Propylbenzene	ND	88	93	5.5				70 - 130	30
o-Xylene	ND	95	98	3.1				70 - 130	30
p-Isopropyltoluene	ND	84	90	6.9				70 - 130	30
sec-Butylbenzene	ND	85	91	6.8				70 - 130	30
Styrene	ND	90	95	5.4				70 - 130	30
tert-Butylbenzene	ND	89	95	6.5				70 - 130	30
Tetrachloroethene	ND	92	97	5.3				70 - 130	30
Tetrahydrofuran (THF)	ND	85	87	2.3				70 - 130	30
Toluene	ND	94	98	4.2				70 - 130	30
trans-1,2-Dichloroethene	ND	97	107	9.8				70 - 130	30
trans-1,3-Dichloropropene	ND	91	94	3.2				70 - 130	30
trans-1,4-dichloro-2-butene	ND	89	89	0.0				70 - 130	30
Trichloroethene	ND	102	105	2.9				70 - 130	30
Trichlorofluoromethane	ND	108	113	4.5				70 - 130	30
Trichlorotrifluoroethane	ND	107	110	2.8				70 - 130	30
Vinyl chloride	ND	92	93	1.1				70 - 130	30
% 1,2-dichlorobenzene-d4	100	99	101	2.0				70 - 130	30
% Bromofluorobenzene	94	97	95	2.1				70 - 130	30
% Dibromofluoromethane	100	102	100	2.0				70 - 130	30
% Toluene-d8	97	99	100	1.0				70 - 130	30

Comment:

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

QA/QC Batch , QC Sample No: BD41889 (BD41875, BD41876, BD41878 (50X))

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	97	110	12.6				70 - 130	30
1,1,1-Trichloroethane	ND	96	108	11.8				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	89	95	6.5				70 - 130	30
1,1,2-Trichloroethane	ND	102	107	4.8				70 - 130	30
1,1-Dichloroethane	ND	98	115	16.0				70 - 130	30
1,1-Dichloroethene	ND	102	119	15.4				70 - 130	30
1,1-Dichloropropene	ND	96	107	10.8				70 - 130	30
1,2,3-Trichlorobenzene	ND	104	96	8.0				70 - 130	30
1,2,3-Trichloropropane	ND	80	101	23.2				70 - 130	30
1,2,4-Trichlorobenzene	ND	98	96	2.1				70 - 130	30
1,2,4-Trimethylbenzene	ND	88	101	13.8				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	97	96	1.0				70 - 130	30
1,2-Dibromoethane	ND	103	103	0.0				70 - 130	30
1,2-Dichlorobenzene	ND	92	102	10.3				70 - 130	30
1,2-Dichloroethane	ND	96	100	4.1				70 - 130	30
1,2-Dichloropropane	ND	94	103	9.1				70 - 130	30
1,3,5-Trimethylbenzene	ND	86	100	15.1				70 - 130	30
1,3-Dichlorobenzene	ND	92	103	11.3				70 - 130	30
1,3-Dichloropropane	ND	92	98	6.3				70 - 130	30
1,4-Dichlorobenzene	ND	93	103	10.2				70 - 130	30

QA/QC Data

SDG I.D.: GBD41873

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
2,2-Dichloropropane	ND	99	109	9.6				70 - 130	30
2-Chlorotoluene	ND	87	100	13.9				70 - 130	30
2-Hexanone	ND	77	78	1.3				70 - 130	30
2-Isopropyltoluene	ND	87	100	13.9				70 - 130	30
4-Chlorotoluene	ND	87	100	13.9				70 - 130	30
4-Methyl-2-pentanone	ND	95	93	2.1				70 - 130	30
Acetone	ND	94	93	1.1				70 - 130	30
Acrylonitrile	ND	106	115	8.1				70 - 130	30
Benzene	ND	94	103	9.1				70 - 130	30
Bromobenzene	ND	90	102	12.5				70 - 130	30
Bromochloromethane	ND	107	114	6.3				70 - 130	30
Bromodichloromethane	ND	98	107	8.8				70 - 130	30
Bromoform	ND	108	113	4.5				70 - 130	30
Bromomethane	ND	118	124	5.0				70 - 130	30
Carbon Disulfide	ND	96	112	15.4				70 - 130	30
Carbon tetrachloride	ND	99	112	12.3				70 - 130	30
Chlorobenzene	ND	93	105	12.1				70 - 130	30
Chloroethane	ND	109	126	14.5				70 - 130	30
Chloroform	ND	99	107	7.8				70 - 130	30
Chloromethane	ND	91	97	6.4				70 - 130	30
cis-1,2-Dichloroethene	ND	112	119	6.1				70 - 130	30
cis-1,3-Dichloropropene	ND	96	103	7.0				70 - 130	30
Dibromochloromethane	ND	100	109	8.6				70 - 130	30
Dibromomethane	ND	104	106	1.9				70 - 130	30
Dichlorodifluoromethane	ND	91	102	11.4				70 - 130	30
Ethylbenzene	ND	90	101	11.5				70 - 130	30
Hexachlorobutadiene	ND	91	95	4.3				70 - 130	30
Isopropylbenzene	ND	87	103	16.8				70 - 130	30
m&p-Xylene	ND	92	104	12.2				70 - 130	30
Methyl ethyl ketone	ND	82	77	6.3				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	94	100	6.2				70 - 130	30
Methylene chloride	ND	103	117	12.7				70 - 130	30
Naphthalene	ND	109	88	21.3				70 - 130	30
n-Butylbenzene	ND	88	98	10.8				70 - 130	30
n-Propylbenzene	ND	90	105	15.4				70 - 130	30
o-Xylene	ND	96	111	14.5				70 - 130	30
p-Isopropyltoluene	ND	89	101	12.6				70 - 130	30
sec-Butylbenzene	ND	85	99	15.2				70 - 130	30
Styrene	ND	96	107	10.8				70 - 130	30
tert-Butylbenzene	ND	87	100	13.9				70 - 130	30
Tetrachloroethene	ND	94	108	13.9				70 - 130	30
Tetrahydrofuran (THF)	ND	97	95	2.1				70 - 130	30
Toluene	ND	94	104	10.1				70 - 130	30
trans-1,2-Dichloroethene	ND	97	120	21.2				70 - 130	30
trans-1,3-Dichloropropene	ND	99	102	3.0				70 - 130	30
trans-1,4-dichloro-2-butene	ND	101	97	4.0				70 - 130	30
Trichloroethene	ND	101	111	9.4				70 - 130	30
Trichlorofluoromethane	ND	109	121	10.4				70 - 130	30
Trichlorotrifluoroethane	ND	106	121	13.2				70 - 130	30
Vinyl chloride	ND	92	102	10.3				70 - 130	30
% 1,2-dichlorobenzene-d4	99	100	100	0.0				70 - 130	30
% Bromofluorobenzene	94	98	96	2.1				70 - 130	30
% Dibromofluoromethane	100	106	101	4.8				70 - 130	30

QA/QC Data

SDG I.D.: GBD41873

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Toluene-d8	98	99	97	2.0				70 - 130	30

Comment:

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

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

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

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

Phyllis Shiller, Laboratory Director
March 06, 2013

Sample Criteria Exceedences Report

GBD41873 - EBC

Requested Criteria: 375, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD41873	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	38.0	0.36	30	30	mg/Kg
BD41874	$PEST_SMR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	4.7	3.0	3.3	3.3	ug/Kg
BD41874	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	31.8	0.40	30	30	mg/Kg
BD41874	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	86.4	0.40	63	63	mg/Kg
BD41874	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	142	0.40	109	109	mg/Kg
BD41875	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	33.6	0.34	30	30	mg/Kg
BD41876	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	33.7	0.36	30	30	mg/Kg
BD41876	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	64.8	0.36	63	63	mg/Kg
BD41878	$8260MER	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	250	210	210	ug/Kg
BD41878	$8260MER	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg
BD41878	$8260MER	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	5000	50	50	ug/Kg
BD41878	$8260MER	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	500	50	50	ug/Kg
BD41878	$8260MER	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	190	190	ug/Kg
BD41878	$8260MER	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	3000	120	120	ug/Kg
BD41878	$8260MER	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	60	60	ug/Kg
BD41878	$8260MER	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

March 06, 2013

SDG I.D.: GBD41873

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

NY/NJ CHAIN OF CUSTODY RECORD

Temp 4°C/CT DP Pg 1 of 1

PHOENIX *Environmental Laboratories, Inc.*

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

Data Delivery:
☐ Fax #:
☑ Email: CSosik@ebsinc.com

Customer: EBS
Address: 1808 Middle Country Rd Ridge NY

Project: 85-89 4th Ave Brklyn NY
Report to: EBS
Invoice to: EBS

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

Sampler's Signature: [signature]
Client Sample - Information - Identification
Date: 2-28-13

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	8260	8270	Pest/PCBs	metals 6010+7471	Soil VOA Methanol [ ]	S. Bisulfate [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] As is [ ] H2SO4	PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
41873	B6	S	2-28-13	1100	X	X	X	X	3	1									
41874	B8	↓		1130	X	X	X	X	3	1									
41875	B12	↓		1200	X	X	X	X	3	1									
41876	duplicate	S			X	X	X	X	3	1									
41877	lo trip blank	lo							2										
41878	hi trip blank	hi							2										

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	3-1-13	12:35
	[signature]	3-1-13	1637

Comments, Special Requirements or Regulations:

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

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

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

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

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

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Thursday, March 14, 2013

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

Project ID: 85 4TH AVE.
Sample ID#s: BD42112 - BD42116

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

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

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

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

Sincerely yours,

Phyllis Shiller

Laboratory Director

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

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

NY # 11301

SDG Comments

March 14, 2013

SDG I.D.: GBD42112

BD42113 - The pH in the preserved vial was greater than 2.

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 14, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/03/13	9:00
Location Code:	EBC	Received by:	LB	03/04/13	15:02
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD42112
Phoenix ID: BD42112

Project ID: 85 4TH AVE.
Client ID: MW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	03/05/13	LK	SW6010
Aluminum	352	1.0	mg/L	03/05/13	LK	SW6010
Arsenic	0.162	0.004	mg/L	03/04/13	LK	SW6010
Barium	2.14	0.002	mg/L	03/04/13	LK	SW6010
Beryllium	0.020	0.001	mg/L	03/04/13	LK	SW6010
Calcium	230	0.10	mg/L	03/05/13	LK	SW6010
Cadmium	0.007	0.001	mg/L	03/04/13	LK	SW6010
Cobalt	0.247	0.002	mg/L	03/04/13	LK	SW6010
Chromium	0.853	0.001	mg/L	03/04/13	LK	SW6010
Copper	0.769	0.005	mg/L	03/04/13	LK	SW6010
Silver (Dissolved)	< 0.001	0.001	mg/L	03/04/13	EK	SW6010
Aluminum (Dissolved)	2.17	0.01	mg/L	03/04/13	EK	SW6010
Arsenic (Dissolved)	0.012	0.004	mg/L	03/04/13	LK	SW6010
Barium (Dissolved)	0.177	0.002	mg/L	03/04/13	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	mg/L	03/04/13	EK	SW6010
Calcium (Dissolved)	123	0.01	mg/L	03/04/13	EK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	03/04/13	EK	SW6010
Cobalt (Dissolved)	0.003	0.001	mg/L	03/04/13	EK	SW6010
Chromium (Dissolved)	0.003	0.001	mg/L	03/04/13	EK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	03/04/13	EK	SW6010
Iron (Dissolved)	1.97	0.011	mg/L	03/04/13	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	03/05/13	JA	SW7470
Potassium (Dissolved)	14.8	0.1	mg/L	03/04/13	EK	SW6010
Magnesium (Dissolved)	38.2	0.01	mg/L	03/04/13	EK	SW6010
Manganese (Dissolved)	4.67	0.011	mg/L	03/04/13	EK	SW6010
Sodium (Dissolved)	112	1.1	mg/L	03/04/13	EK	SW6010
Nickel (Dissolved)	0.019	0.001	mg/L	03/04/13	EK	SW6010
Lead (Dissolved)	0.003	0.002	mg/L	03/04/13	EK	SW6010

Project ID: 85 4TH AVE.
Client ID: MW1

Phoenix I.D.: BD42112

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Antimony (Dissolved)	< 0.005	0.005	mg/L	03/04/13	EK	SW6010	
Selenium (Dissolved)	< 0.011	0.011	mg/L	03/04/13	EK	SW6010	
Thallium (Dissolved)	< 0.002	0.002	mg/L	03/06/13	PS	SW7010	
Vanadium (Dissolved)	0.004	0.002	mg/L	03/04/13	EK	SW6010	
Zinc (Dissolved)	0.005	0.002	mg/L	03/04/13	EK	SW6010	
Iron	526	0.10	mg/L	03/05/13	LK	SW6010	
Mercury	0.0007	0.0002	mg/L	03/05/13	JA	SW7470	
Potassium	59.8	1.0	mg/L	03/05/13	LK	SW6010	
Magnesium	179	0.10	mg/L	03/05/13	LK	SW6010	
Manganese	18.3	0.010	mg/L	03/05/13	LK	SW6010	
Sodium	133	1.0	mg/L	03/05/13	LK	SW6010	
Nickel	1.35	0.001	mg/L	03/04/13	LK	SW6010	
Lead	0.399	0.002	mg/L	03/04/13	LK	SW6010	
Antimony	< 0.005	0.005	mg/L	03/04/13	LK	SW6010	
Selenium	< 0.010	0.010	mg/L	03/05/13	LK	SW6010	
Thallium	< 0.002	0.002	mg/L	03/06/13	RS	SM3113B/SW70	
Vanadium	0.795	0.002	mg/L	03/04/13	LK	SW6010	
Zinc	1.53	0.002	mg/L	03/04/13	LK	SW6010	
Filtration	Completed			03/04/13	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed			03/05/13	X/X	SW7470	
Mercury Digestion	Completed			03/05/13	X/X	SW7470	
PCB Extraction	Completed			03/04/13	BT	SW3510C	
Extraction for Pest (2 Liter)	Completed			03/04/13	BT	SW3510	
Semi-Volatile Extraction	Completed			03/04/13	I/KXD	SW3520	
Dissolved Metals Preparation	Completed			03/04/13	AG	SW846-3005	
Total Metals Digestion	Completed			03/04/13	AG		
Polychlorinated Biphenyls							
PCB-1016	ND	0.10	ug/L	03/06/13	AW	8082	
PCB-1221	ND	0.10	ug/L	03/06/13	AW	8082	
PCB-1232	ND	0.10	ug/L	03/06/13	AW	8082	
PCB-1242	ND	0.10	ug/L	03/06/13	AW	8082	
PCB-1248	ND	0.10	ug/L	03/06/13	AW	8082	
PCB-1254	ND	0.10	ug/L	03/06/13	AW	8082	
PCB-1260	ND	0.10	ug/L	03/06/13	AW	8082	
PCB-1262	ND	0.10	ug/L	03/06/13	AW	8082	
PCB-1268	ND	0.10	ug/L	03/06/13	AW	8082	
QA/QC Surrogates							
% DCBP	75		%	03/06/13	AW	30 - 150 %	
% TCMX	73		%	03/06/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	0.053	ug/L	03/05/13	MH	SW8081	
4,4' -DDE	ND	0.053	ug/L	03/05/13	MH	SW8081	
4,4' -DDT	ND	0.053	ug/L	03/05/13	MH	SW8081	
a-BHC	ND	0.026	ug/L	03/05/13	MH	SW8081	
Alachlor	ND	0.079	ug/L	03/05/13	MH	SW8081	1
Aldrin	ND	0.002	ug/L	03/05/13	MH	SW8081	
b-BHC	ND	0.005	ug/L	03/05/13	MH	SW8081	
Chlordane	ND	0.32	ug/L	03/05/13	MH	SW8081	

Project ID: 85 4TH AVE. Phoenix I.D.: BD42112

Client ID: MW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
d-BHC	ND	0.026	ug/L	03/05/13	MH	SW8081
Dieldrin	ND	0.002	ug/L	03/05/13	MH	SW8081
Endosulfan I	ND	0.053	ug/L	03/05/13	MH	SW8081
Endosulfan II	ND	0.053	ug/L	03/05/13	MH	SW8081
Endosulfan Sulfate	ND	0.053	ug/L	03/05/13	MH	SW8081
Endrin	ND	0.053	ug/L	03/05/13	MH	SW8081
Endrin Aldehyde	ND	0.053	ug/L	03/05/13	MH	SW8081
Endrin ketone	ND	0.053	ug/L	03/05/13	MH	SW8081
g-BHC (Lindane)	ND	0.026	ug/L	03/05/13	MH	SW8081
Heptachlor	ND	0.026	ug/L	03/05/13	MH	SW8081
Heptachlor epoxide	ND	0.026	ug/L	03/05/13	MH	SW8081
Methoxychlor	ND	0.10	ug/L	03/05/13	MH	SW8081
Toxaphene	ND	1.0	ug/L	03/05/13	MH	SW8081
QA/QC Surrogates						
%DCBP (Surrogate Rec)	75		%	03/05/13	MH	30 - 150 %
%TCMX (Surrogate Rec)	70		%	03/05/13	MH	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	03/05/13	R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	03/05/13	R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	03/05/13	R/T	SW8260
2-Hexanone	ND	5.0	ug/L	03/05/13	R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	03/05/13	R/T	SW8260 1
4-Chlorotoluene	ND	1.0	ug/L	03/05/13	R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	03/05/13	R/T	SW8260
Acetone	ND	25	ug/L	03/05/13	R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	03/05/13	R/T	SW8260
Benzene	ND	0.70	ug/L	03/05/13	R/T	SW8260
Bromobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	03/05/13	R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	03/05/13	R/T	SW8260

Project ID: 85 4TH AVE. Phoenix I.D.: BD42112

Client ID: MW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Bromoform	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Bromomethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Carbon Disulfide	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Chlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Chloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Chloroform	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Chloromethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
cis-1,2-Dichloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	0.50	ug/L	03/05/13	R/T	SW8260	1
Dibromochloromethane	ND	0.50	ug/L	03/05/13	R/T	SW8260	
Dibromomethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Ethylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	03/05/13	R/T	SW8260	
Isopropylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
m&p-Xylene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Methylene chloride	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Naphthalene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
n-Butylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
n-Propylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
o-Xylene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Styrene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Tetrachloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	2.5	ug/L	03/05/13	R/T	SW8260	1
Toluene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Total Xylenes	ND	1.0	ug/L	03/05/13	R/T	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	0.50	ug/L	03/05/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Trichloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Vinyl chloride	ND	1.0	ug/L	03/05/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	03/05/13	R/T	70 - 130 %	
% Bromofluorobenzene	79		%	03/05/13	R/T	70 - 130 %	
% Dibromofluoromethane	101		%	03/05/13	R/T	70 - 130 %	
% Toluene-d8	99		%	03/05/13	R/T	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0	ug/L	03/07/13	DD	SW8270	
1,2-Dichlorobenzene	ND	5.0	ug/L	03/07/13	DD	SW8270	
1,2-Diphenylhydrazine	ND	5.0	ug/L	03/07/13	DD	SW8270	
1,3-Dichlorobenzene	ND	5.0	ug/L	03/07/13	DD	SW8270	

Project ID: 85 4TH AVE.
Client ID: MW1

Phoenix I.D.: BD42112

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	5.0	ug/L	03/07/13	DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	03/07/13	DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	03/07/13	DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	03/07/13	DD	SW8270
2,4-Dimethylphenol	ND	10	ug/L	03/07/13	DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	03/07/13	DD	SW8270
2,4-Dinitrotoluene	ND	5.0	ug/L	03/07/13	DD	SW8270
2,6-Dinitrotoluene	ND	5.0	ug/L	03/07/13	DD	SW8270
2-Chloronaphthalene	ND	5.0	ug/L	03/07/13	DD	SW8270
2-Chlorophenol	ND	10	ug/L	03/07/13	DD	SW8270
2-Methylnaphthalene	ND	5.0	ug/L	03/07/13	DD	SW8270
2-Methylphenol (o-cresol)	ND	10	ug/L	03/07/13	DD	SW8270
2-Nitroaniline	ND	50	ug/L	03/07/13	DD	SW8270
2-Nitrophenol	ND	10	ug/L	03/07/13	DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	03/07/13	DD	SW8270
3,3'-Dichlorobenzidine	ND	50	ug/L	03/07/13	DD	SW8270
3-Nitroaniline	ND	50	ug/L	03/07/13	DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	03/07/13	DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0	ug/L	03/07/13	DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	03/07/13	DD	SW8270
4-Chloroaniline	ND	20	ug/L	03/07/13	DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	03/07/13	DD	SW8270
4-Nitroaniline	ND	20	ug/L	03/07/13	DD	SW8270
4-Nitrophenol	ND	50	ug/L	03/07/13	DD	SW8270
Acetophenone	ND	5.0	ug/L	03/07/13	DD	SW8270
Aniline	ND	10	ug/L	03/07/13	DD	SW8270
Anthracene	ND	5.0	ug/L	03/07/13	DD	SW8270
Benzidine	ND	50	ug/L	03/07/13	DD	SW8270
Benzoic acid	ND	50	ug/L	03/07/13	DD	SW8270
Benzyl butyl phthalate	ND	5.0	ug/L	03/07/13	DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	03/07/13	DD	SW8270
Bis(2-chloroethyl)ether	ND	5.0	ug/L	03/07/13	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	03/07/13	DD	SW8270
Carbazole	ND	5.0	ug/L	03/07/13	DD	SW8270
Dibenzofuran	ND	5.0	ug/L	03/07/13	DD	SW8270
Diethyl phthalate	ND	5.0	ug/L	03/07/13	DD	SW8270
Dimethylphthalate	ND	5.0	ug/L	03/07/13	DD	SW8270
Di-n-butylphthalate	ND	5.0	ug/L	03/07/13	DD	SW8270
Di-n-octylphthalate	ND	5.0	ug/L	03/07/13	DD	SW8270
Fluoranthene	ND	5.0	ug/L	03/07/13	DD	SW8270
Fluorene	ND	5.0	ug/L	03/07/13	DD	SW8270
Hexachlorobutadiene	ND	5.0	ug/L	03/07/13	DD	SW8270
Hexachlorocyclopentadiene	ND	5.0	ug/L	03/07/13	DD	SW8270
Isophorone	ND	5.0	ug/L	03/07/13	DD	SW8270
Naphthalene	ND	5.0	ug/L	03/07/13	DD	SW8270
Nitrobenzene	ND	5.0	ug/L	03/07/13	DD	SW8270
N-Nitrosodimethylamine	ND	5.0	ug/L	03/07/13	DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	03/07/13	DD	SW8270
N-Nitrosodiphenylamine	ND	5.0	ug/L	03/07/13	DD	SW8270
Phenol	ND	10	ug/L	03/07/13	DD	SW8270

Project ID: 85 4TH AVE. Phoenix I.D.: BD42112

Client ID: MW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Pyrene	ND	5.0	ug/L	03/07/13	DD	SW8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	98		%	03/07/13	DD	15 - 130 %
% 2-Fluorobiphenyl	86		%	03/07/13	DD	30 - 130 %
% 2-Fluorophenol	70		%	03/07/13	DD	15 - 130 %
% Nitrobenzene-d5	98		%	03/07/13	DD	30 - 130 %
% Phenol-d5	66		%	03/07/13	DD	15 - 130 %
% Terphenyl-d14	126		%	03/07/13	DD	30 - 130 %
Semivolatiles						
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	03/05/13	DD	SW8270 (SIM)
Acenaphthene	ND	0.050	ug/L	03/05/13	DD	SW8270 (SIM)
Acenaphthylene	ND	0.050	ug/L	03/05/13	DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	03/05/13	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.050	ug/L	03/05/13	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.050	ug/L	03/05/13	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.0	ug/L	03/05/13	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.050	ug/L	03/05/13	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	3.6	1.6	ug/L	03/05/13	DD	SW8270 (SIM)
Chrysene	ND	0.050	ug/L	03/05/13	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.010	ug/L	03/05/13	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.060	ug/L	03/05/13	DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	ug/L	03/05/13	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.050	ug/L	03/05/13	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	03/05/13	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	ug/L	03/05/13	DD	SW8270 (SIM)
Phenanthrene	ND	0.050	ug/L	03/05/13	DD	SW8270 (SIM)
Pyridine	ND	0.50	ug/L	03/05/13	DD	SW8270 (SIM)
QA/QC Surrogates						
% 2,4,6-Tribromophenol	98		%	03/05/13	DD	15 - 130 %
% 2-Fluorobiphenyl	86		%	03/05/13	DD	30 - 130 %
% 2-Fluorophenol	70		%	03/05/13	DD	15 - 130 %
% Nitrobenzene-d5	98		%	03/05/13	DD	30 - 130 %
% Phenol-d5	66		%	03/05/13	DD	15 - 130 %
% Terphenyl-d14	126		%	03/05/13	DD	30 - 130 %

Project ID: 85 4TH AVE. Phoenix I.D.: BD42112

Client ID: MW1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

March 14, 2013

Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 14, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/03/13	10:00
Location Code:	EBC	Received by:	LB	03/04/13	15:02
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD42112
Phoenix ID: BD42113

Project ID: 85 4TH AVE.
Client ID: MW2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	0.003	0.001	mg/L	03/04/13	LK	SW6010
Aluminum	1080	1.0	mg/L	03/05/13	LK	SW6010
Arsenic	0.376	0.004	mg/L	03/04/13	LK	SW6010
Barium	6.37	0.002	mg/L	03/04/13	LK	SW6010
Beryllium	0.047	0.001	mg/L	03/04/13	LK	SW6010
Calcium	2920	1.0	mg/L	03/05/13	LK	SW6010
Cadmium	0.014	0.001	mg/L	03/04/13	LK	SW6010
Cobalt	0.564	0.002	mg/L	03/04/13	LK	SW6010
Chromium	1.63	0.001	mg/L	03/04/13	LK	SW6010
Copper	2.87	0.050	mg/L	03/05/13	LK	SW6010
Silver (Dissolved)	< 0.001	0.001	mg/L	03/04/13	EK	SW6010
Aluminum (Dissolved)	3.11	0.01	mg/L	03/04/13	EK	SW6010
Arsenic (Dissolved)	< 0.004	0.004	mg/L	03/04/13	EK	SW6010
Barium (Dissolved)	0.034	0.002	mg/L	03/04/13	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	mg/L	03/04/13	EK	SW6010
Calcium (Dissolved)	139	0.01	mg/L	03/04/13	EK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	03/04/13	EK	SW6010
Cobalt (Dissolved)	< 0.001	0.001	mg/L	03/04/13	EK	SW6010
Chromium (Dissolved)	0.008	0.001	mg/L	03/04/13	EK	SW6010
Copper (Dissolved)	0.028	0.005	mg/L	03/04/13	EK	SW6010
Iron (Dissolved)	0.487	0.011	mg/L	03/04/13	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	03/05/13	JA	SW7470
Potassium (Dissolved)	9.4	0.1	mg/L	03/04/13	EK	SW6010
Magnesium (Dissolved)	0.13	0.01	mg/L	03/04/13	EK	SW6010
Manganese (Dissolved)	0.012	0.001	mg/L	03/04/13	EK	SW6010
Sodium (Dissolved)	26.8	0.11	mg/L	03/04/13	EK	SW6010
Nickel (Dissolved)	0.009	0.001	mg/L	03/04/13	EK	SW6010
Lead (Dissolved)	0.002	0.002	mg/L	03/04/13	EK	SW6010

Project ID: 85 4TH AVE.
Client ID: MW2

Phoenix I.D.: BD42113

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Antimony (Dissolved)	< 0.005	0.005	mg/L	03/04/13	EK	SW6010	
Selenium (Dissolved)	< 0.011	0.011	mg/L	03/04/13	EK	SW6010	
Thallium (Dissolved)	< 0.002	0.002	mg/L	03/06/13	PS	SW7010	
Vanadium (Dissolved)	0.007	0.002	mg/L	03/04/13	EK	SW6010	
Zinc (Dissolved)	0.005	0.002	mg/L	03/04/13	EK	SW6010	
Iron	1630	1.0	mg/L	03/05/13	LK	SW6010	
Mercury	0.0074	0.0002	mg/L	03/05/13	JA	SW7470	
Potassium	129	1.0	mg/L	03/05/13	LK	SW6010	
Magnesium	371	0.10	mg/L	03/05/13	LK	SW6010	
Manganese	35.2	0.10	mg/L	03/05/13	LK	SW6010	
Sodium	44.7	0.1	mg/L	03/04/13	LK	SW6010	
Nickel	4.15	0.010	mg/L	03/05/13	LK	SW6010	
Lead	5.17	0.020	mg/L	03/05/13	LK	SW6010	
Antimony	< 0.005	0.005	mg/L	03/04/13	LK	SW6010	
Selenium	< 0.010	0.010	mg/L	03/04/13	LK	SW6010	
Thallium	< 0.002	0.002	mg/L	03/06/13	RS	SM3113B/SW70	
Vanadium	2.69	0.020	mg/L	03/05/13	LK	SW6010	
Zinc	15.6	0.020	mg/L	03/05/13	LK	SW6010	
Filtration	Completed			03/04/13	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed			03/05/13	X/X	SW7470	
Mercury Digestion	Completed			03/05/13	X/X	SW7470	
PCB Extraction	Completed			03/04/13	BT	SW3510C	
Extraction for Pest (2 Liter)	Completed			03/04/13	BT	SW3510	
Semi-Volatile Extraction	Completed			03/04/13	I/KXD	SW3520	
Dissolved Metals Preparation	Completed			03/04/13	AG	SW846-3005	
Total Metals Digestion	Completed			03/04/13	AG		
Polychlorinated Biphenyls							
PCB-1016	ND	0.69	ug/L	03/06/13	AW	8082	
PCB-1221	ND	0.69	ug/L	03/06/13	AW	8082	
PCB-1232	ND	0.69	ug/L	03/06/13	AW	8082	
PCB-1242	ND	0.69	ug/L	03/06/13	AW	8082	
PCB-1248	ND	0.69	ug/L	03/06/13	AW	8082	
PCB-1254	11	0.69	ug/L	03/06/13	AW	8082	
PCB-1260	ND	0.69	ug/L	03/06/13	AW	8082	
PCB-1262	ND	0.69	ug/L	03/06/13	AW	8082	
PCB-1268	ND	0.69	ug/L	03/06/13	AW	8082	
QA/QC Surrogates							
% DCBP	80		%	03/06/13	AW	30 - 150 %	
% TCMX	114		%	03/06/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND*	0.35	ug/L	03/05/13	MH	SW8081	
4,4' -DDE	ND*	0.35	ug/L	03/05/13	MH	SW8081	
4,4' -DDT	ND*	0.35	ug/L	03/05/13	MH	SW8081	
a-BHC	ND*	0.17	ug/L	03/05/13	MH	SW8081	
Alachlor	ND*	0.52	ug/L	03/05/13	MH	SW8081	1
Aldrin	ND*	0.010	ug/L	03/05/13	MH	SW8081	
b-BHC	ND*	0.035	ug/L	03/05/13	MH	SW8081	
Chlordane	ND*	2.1	ug/L	03/05/13	MH	SW8081	

Project ID: 85 4TH AVE. Phoenix I.D.: BD42113
Client ID: MW2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
d-BHC	ND*	0.17	ug/L	03/05/13	MH	SW8081	
Dieldrin	ND*	0.083	ug/L	03/05/13	MH	SW8081	
Endosulfan I	ND*	0.35	ug/L	03/05/13	MH	SW8081	
Endosulfan II	ND*	0.35	ug/L	03/05/13	MH	SW8081	
Endosulfan Sulfate	ND*	0.35	ug/L	03/05/13	MH	SW8081	
Endrin	ND*	0.35	ug/L	03/05/13	MH	SW8081	
Endrin Aldehyde	ND*	0.35	ug/L	03/05/13	MH	SW8081	
Endrin ketone	ND*	0.35	ug/L	03/05/13	MH	SW8081	
g-BHC (Lindane)	ND*	0.17	ug/L	03/05/13	MH	SW8081	
Heptachlor	ND*	0.17	ug/L	03/05/13	MH	SW8081	
Heptachlor epoxide	ND*	0.17	ug/L	03/05/13	MH	SW8081	
Methoxychlor	ND*	0.69	ug/L	03/05/13	MH	SW8081	
Toxaphene	ND*	6.9	ug/L	03/05/13	MH	SW8081	
QA/QC Surrogates							
%DCBP (Surrogate Rec)	Diluted Out		%	03/05/13	MH	30 - 150 %	
%TCMX (Surrogate Rec)	Diluted Out		%	03/05/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,1,1-Trichloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	03/05/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,1-Dichloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,1-Dichloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2-Dibromoethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	03/05/13	R/T	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
2-Hexanone	ND	5.0	ug/L	03/05/13	R/T	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	03/05/13	R/T	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Acetone	ND	25	ug/L	03/05/13	R/T	SW8260	
Acrylonitrile	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Benzene	ND	0.70	ug/L	03/05/13	R/T	SW8260	
Bromobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Bromochloromethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Bromodichloromethane	ND	0.50	ug/L	03/05/13	R/T	SW8260	

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Client ID: MW2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Bromoform	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Bromomethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Carbon Disulfide	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Chlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Chloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Chloroform	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Chloromethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
cis-1,2-Dichloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	0.50	ug/L	03/05/13	R/T	SW8260	1
Dibromochloromethane	ND	0.50	ug/L	03/05/13	R/T	SW8260	
Dibromomethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Ethylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	03/05/13	R/T	SW8260	
Isopropylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
m&p-Xylene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Methylene chloride	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Naphthalene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
n-Butylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
n-Propylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
o-Xylene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Styrene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Tetrachloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	2.5	ug/L	03/05/13	R/T	SW8260	1
Toluene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Total Xylenes	ND	1.0	ug/L	03/05/13	R/T	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	0.50	ug/L	03/05/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Trichloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Vinyl chloride	ND	1.0	ug/L	03/05/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	03/05/13	R/T	70 - 130 %	
% Bromofluorobenzene	79		%	03/05/13	R/T	70 - 130 %	
% Dibromofluoromethane	104		%	03/05/13	R/T	70 - 130 %	
% Toluene-d8	100		%	03/05/13	R/T	70 - 130 %	
Semivolatiles							
1,2,4-Trichlorobenzene	ND	6.3	ug/L	03/07/13	DD	SW8270	
1,2-Dichlorobenzene	ND	6.3	ug/L	03/07/13	DD	SW8270	
1,2-Diphenylhydrazine	ND	6.3	ug/L	03/07/13	DD	SW8270	
1,3-Dichlorobenzene	ND	6.3	ug/L	03/07/13	DD	SW8270	

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Client ID: MW2

Phoenix I.D.: BD42113

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	6.3	ug/L	03/07/13	DD	SW8270
2,4,5-Trichlorophenol	ND	13	ug/L	03/07/13	DD	SW8270
2,4,6-Trichlorophenol	ND	13	ug/L	03/07/13	DD	SW8270
2,4-Dichlorophenol	ND	13	ug/L	03/07/13	DD	SW8270
2,4-Dimethylphenol	ND	13	ug/L	03/07/13	DD	SW8270
2,4-Dinitrophenol	ND	63	ug/L	03/07/13	DD	SW8270
2,4-Dinitrotoluene	ND	6.3	ug/L	03/07/13	DD	SW8270
2,6-Dinitrotoluene	ND	6.3	ug/L	03/07/13	DD	SW8270
2-Chloronaphthalene	ND	6.3	ug/L	03/07/13	DD	SW8270
2-Chlorophenol	ND	13	ug/L	03/07/13	DD	SW8270
2-Methylnaphthalene	ND	6.3	ug/L	03/07/13	DD	SW8270
2-Methylphenol (o-cresol)	ND	13	ug/L	03/07/13	DD	SW8270
2-Nitroaniline	ND	63	ug/L	03/07/13	DD	SW8270
2-Nitrophenol	ND	13	ug/L	03/07/13	DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	13	ug/L	03/07/13	DD	SW8270
3,3'-Dichlorobenzidine	ND	63	ug/L	03/07/13	DD	SW8270
3-Nitroaniline	ND	63	ug/L	03/07/13	DD	SW8270
4,6-Dinitro-2-methylphenol	ND	63	ug/L	03/07/13	DD	SW8270
4-Bromophenyl phenyl ether	ND	6.3	ug/L	03/07/13	DD	SW8270
4-Chloro-3-methylphenol	ND	25	ug/L	03/07/13	DD	SW8270
4-Chloroaniline	ND	25	ug/L	03/07/13	DD	SW8270
4-Chlorophenyl phenyl ether	ND	6.3	ug/L	03/07/13	DD	SW8270
4-Nitroaniline	ND	25	ug/L	03/07/13	DD	SW8270
4-Nitrophenol	ND	63	ug/L	03/07/13	DD	SW8270
Acetophenone	ND	6.3	ug/L	03/07/13	DD	SW8270
Aniline	ND	13	ug/L	03/07/13	DD	SW8270
Anthracene	ND	6.3	ug/L	03/07/13	DD	SW8270
Benzidine	ND	63	ug/L	03/07/13	DD	SW8270
Benzoic acid	280	63	ug/L	03/07/13	DD	SW8270
Benzyl butyl phthalate	ND	6.3	ug/L	03/07/13	DD	SW8270
Bis(2-chloroethoxy)methane	ND	6.3	ug/L	03/07/13	DD	SW8270
Bis(2-chloroethyl)ether	ND	6.3	ug/L	03/07/13	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	6.3	ug/L	03/07/13	DD	SW8270
Carbazole	ND	6.3	ug/L	03/07/13	DD	SW8270
Dibenzofuran	ND	6.3	ug/L	03/07/13	DD	SW8270
Diethyl phthalate	ND	6.3	ug/L	03/07/13	DD	SW8270
Dimethylphthalate	ND	6.3	ug/L	03/07/13	DD	SW8270
Di-n-butylphthalate	ND	6.3	ug/L	03/07/13	DD	SW8270
Di-n-octylphthalate	ND	6.3	ug/L	03/07/13	DD	SW8270
Fluoranthene	ND	6.3	ug/L	03/07/13	DD	SW8270
Fluorene	ND	6.3	ug/L	03/07/13	DD	SW8270
Hexachlorobutadiene	ND	6.3	ug/L	03/07/13	DD	SW8270
Hexachlorocyclopentadiene	ND	6.3	ug/L	03/07/13	DD	SW8270
Isophorone	ND	6.3	ug/L	03/07/13	DD	SW8270
Naphthalene	ND	6.3	ug/L	03/07/13	DD	SW8270
Nitrobenzene	ND	6.3	ug/L	03/07/13	DD	SW8270
N-Nitrosodimethylamine	ND	6.3	ug/L	03/07/13	DD	SW8270
N-Nitrosodi-n-propylamine	ND	6.3	ug/L	03/07/13	DD	SW8270
N-Nitrosodiphenylamine	ND	6.3	ug/L	03/07/13	DD	SW8270
Phenol	ND	13	ug/L	03/07/13	DD	SW8270

Project ID: 85 4TH AVE.
Client ID: MW2

Phoenix I.D.: BD42113

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Pyrene	ND	6.3	ug/L	03/07/13	DD	SW8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	93		%	03/07/13	DD	15 - 130 %	
% 2-Fluorobiphenyl	82		%	03/07/13	DD	30 - 130 %	
% 2-Fluorophenol	59		%	03/07/13	DD	15 - 130 %	
% Nitrobenzene-d5	97		%	03/07/13	DD	30 - 130 %	
% Phenol-d5	11		%	03/07/13	DD	15 - 130 %	3
% Terphenyl-d14	99		%	03/07/13	DD	30 - 130 %	
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	2.0	ug/L	03/05/13	DD	SW8270 (SIM)	
Acenaphthene	ND	0.063	ug/L	03/05/13	DD	SW8270 (SIM)	
Acenaphthylene	ND	0.063	ug/L	03/05/13	DD	SW8270 (SIM)	
Benz(a)anthracene	0.075	0.050	ug/L	03/05/13	DD	SW8270 (SIM)	
Benzo(a)pyrene	ND	0.063	ug/L	03/05/13	DD	SW8270 (SIM)	
Benzo(b)fluoranthene	0.81	0.063	ug/L	03/05/13	DD	SW8270 (SIM)	
Benzo(ghi)perylene	ND	3.8	ug/L	03/05/13	DD	SW8270 (SIM)	
Benzo(k)fluoranthene	0.23	0.063	ug/L	03/05/13	DD	SW8270 (SIM)	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/L	03/05/13	DD	SW8270 (SIM)	
Chrysene	0.53	0.063	ug/L	03/05/13	DD	SW8270 (SIM)	
Dibenz(a,h)anthracene	0.1	0.013	ug/L	03/05/13	DD	SW8270 (SIM)	
Hexachlorobenzene	ND	0.075	ug/L	03/05/13	DD	SW8270 (SIM)	
Hexachloroethane	ND	3.0	ug/L	03/05/13	DD	SW8270 (SIM)	
Indeno(1,2,3-cd)pyrene	ND	0.063	ug/L	03/05/13	DD	SW8270 (SIM)	
Pentachloronitrobenzene	ND	0.13	ug/L	03/05/13	DD	SW8270 (SIM)	
Pentachlorophenol	ND	1.0	ug/L	03/05/13	DD	SW8270 (SIM)	
Phenanthrene	0.51	0.063	ug/L	03/05/13	DD	SW8270 (SIM)	
Pyridine	ND	0.63	ug/L	03/05/13	DD	SW8270 (SIM)	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	93		%	03/05/13	DD	15 - 130 %	
% 2-Fluorobiphenyl	82		%	03/05/13	DD	30 - 130 %	
% 2-Fluorophenol	59		%	03/05/13	DD	15 - 130 %	
% Nitrobenzene-d5	97		%	03/05/13	DD	30 - 130 %	
% Phenol-d5	11		%	03/05/13	DD	15 - 130 %	3
% Terphenyl-d14	99		%	03/05/13	DD	30 - 130 %	

Project ID: 85 4TH AVE. Phoenix I.D.: BD42113

Client ID: MW2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

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

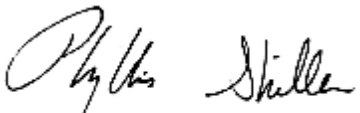
Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

* One of the surrogate recovery's was below the lower range, but within the method criteria for semivolatiles. The other surrogates associated with this sample were within QA/QC criteria. No significant bias is suspected.

* For Pesticides, due to matrix interference caused by the presence of PCB's in the samples an elevated MDL was reported.

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



Phyllis Shiller, Laboratory Director
March 14, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 14, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/03/13	11:00
Location Code:	EBC	Received by:	LB	03/04/13	15:02
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD42112
Phoenix ID: BD42114

Project ID: 85 4TH AVE.
Client ID: MW3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	03/04/13	EK	SW6010
Aluminum	24.3	0.010	mg/L	03/04/13	EK	SW6010
Arsenic	0.006	0.004	mg/L	03/04/13	EK	SW6010
Barium	0.370	0.002	mg/L	03/04/13	EK	SW6010
Beryllium	0.001	0.001	mg/L	03/04/13	EK	SW6010
Calcium	178	0.10	mg/L	03/05/13	LK	SW6010
Cadmium	< 0.001	0.001	mg/L	03/04/13	EK	SW6010
Cobalt	0.012	0.002	mg/L	03/04/13	EK	SW6010
Chromium	0.041	0.001	mg/L	03/04/13	EK	SW6010
Copper	0.057	0.005	mg/L	03/04/13	EK	SW6010
Silver (Dissolved)	< 0.001	0.001	mg/L	03/04/13	EK	SW6010
Aluminum (Dissolved)	0.37	0.01	mg/L	03/04/13	EK	SW6010
Arsenic (Dissolved)	< 0.004	0.004	mg/L	03/04/13	EK	SW6010
Barium (Dissolved)	0.090	0.002	mg/L	03/04/13	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	mg/L	03/04/13	EK	SW6010
Calcium (Dissolved)	165	0.01	mg/L	03/04/13	EK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	03/04/13	EK	SW6010
Cobalt (Dissolved)	0.001	0.001	mg/L	03/04/13	EK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	03/04/13	EK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	03/04/13	EK	SW6010
Iron (Dissolved)	0.996	0.011	mg/L	03/04/13	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	03/05/13	JA	SW7470
Potassium (Dissolved)	9.8	0.1	mg/L	03/04/13	EK	SW6010
Magnesium (Dissolved)	34.0	0.01	mg/L	03/04/13	EK	SW6010
Manganese (Dissolved)	4.18	0.011	mg/L	03/04/13	EK	SW6010
Sodium (Dissolved)	29.1	0.11	mg/L	03/04/13	EK	SW6010
Nickel (Dissolved)	0.005	0.001	mg/L	03/04/13	EK	SW6010
Lead (Dissolved)	< 0.002	0.002	mg/L	03/04/13	EK	SW6010

Project ID: 85 4TH AVE.
Client ID: MW3

Phoenix I.D.: BD42114

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Antimony (Dissolved)	< 0.005	0.005	mg/L	03/04/13	EK	SW6010	
Selenium (Dissolved)	< 0.011	0.011	mg/L	03/04/13	EK	SW6010	
Thallium (Dissolved)	< 0.002	0.002	mg/L	03/06/13	PS	SW7010	
Vanadium (Dissolved)	< 0.002	0.002	mg/L	03/04/13	EK	SW6010	
Zinc (Dissolved)	0.012	0.002	mg/L	03/04/13	EK	SW6010	
Iron	41.1	0.010	mg/L	03/04/13	EK	SW6010	
Mercury	< 0.0002	0.0002	mg/L	03/05/13	JA	SW7470	
Potassium	13.3	0.1	mg/L	03/04/13	EK	SW6010	
Magnesium	39.1	0.01	mg/L	03/04/13	EK	SW6010	
Manganese	4.16	0.010	mg/L	03/05/13	LK	SW6010	
Sodium	32.9	0.1	mg/L	03/04/13	EK	SW6010	
Nickel	0.067	0.001	mg/L	03/04/13	EK	SW6010	
Lead	0.203	0.002	mg/L	03/04/13	EK	SW6010	
Antimony	< 0.005	0.005	mg/L	03/04/13	EK	SW6010	
Selenium	< 0.010	0.010	mg/L	03/04/13	EK	SW6010	
Thallium	< 0.002	0.002	mg/L	03/06/13	RS	SM3113B/SW70	
Vanadium	0.056	0.002	mg/L	03/04/13	EK	SW6010	
Zinc	0.241	0.002	mg/L	03/04/13	EK	SW6010	
Filtration	Completed			03/04/13	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed			03/05/13	X/X	SW7470	
Mercury Digestion	Completed			03/05/13	X/X	SW7470	
PCB Extraction	Completed			03/04/13	BT	SW3510C	
Extraction for Pest (2 Liter)	Completed			03/04/13	BT	SW3510	
Semi-Volatile Extraction	Completed			03/04/13	I/KXD	SW3520	
Dissolved Metals Preparation	Completed			03/04/13	AG	SW846-3005	
Total Metals Digestion	Completed			03/04/13	AG		
Polychlorinated Biphenyls							
PCB-1016	ND	0.10	ug/L	03/06/13	AW	8082	
PCB-1221	ND	0.10	ug/L	03/06/13	AW	8082	
PCB-1232	ND	0.10	ug/L	03/06/13	AW	8082	
PCB-1242	ND	0.10	ug/L	03/06/13	AW	8082	
PCB-1248	ND	0.10	ug/L	03/06/13	AW	8082	
PCB-1254	ND	0.10	ug/L	03/06/13	AW	8082	
PCB-1260	ND	0.10	ug/L	03/06/13	AW	8082	
PCB-1262	ND	0.10	ug/L	03/06/13	AW	8082	
PCB-1268	ND	0.10	ug/L	03/06/13	AW	8082	
QA/QC Surrogates							
% DCBP	84		%	03/06/13	AW	30 - 150 %	
% TCMX	77		%	03/06/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	0.052	ug/L	03/05/13	MH	SW8081	
4,4' -DDE	ND	0.052	ug/L	03/05/13	MH	SW8081	
4,4' -DDT	ND	0.052	ug/L	03/05/13	MH	SW8081	
a-BHC	ND	0.026	ug/L	03/05/13	MH	SW8081	
Alachlor	ND	0.078	ug/L	03/05/13	MH	SW8081	1
Aldrin	ND	0.002	ug/L	03/05/13	MH	SW8081	
b-BHC	ND	0.005	ug/L	03/05/13	MH	SW8081	
Chlordane	ND	0.31	ug/L	03/05/13	MH	SW8081	

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
d-BHC	ND	0.026	ug/L	03/05/13	MH	SW8081
Dieldrin	ND	0.002	ug/L	03/05/13	MH	SW8081
Endosulfan I	ND	0.052	ug/L	03/05/13	MH	SW8081
Endosulfan II	ND	0.052	ug/L	03/05/13	MH	SW8081
Endosulfan Sulfate	ND	0.052	ug/L	03/05/13	MH	SW8081
Endrin	ND	0.052	ug/L	03/05/13	MH	SW8081
Endrin Aldehyde	ND	0.052	ug/L	03/05/13	MH	SW8081
Endrin ketone	ND	0.052	ug/L	03/05/13	MH	SW8081
g-BHC (Lindane)	ND	0.026	ug/L	03/05/13	MH	SW8081
Heptachlor	ND	0.026	ug/L	03/05/13	MH	SW8081
Heptachlor epoxide	ND	0.026	ug/L	03/05/13	MH	SW8081
Methoxychlor	ND	0.10	ug/L	03/05/13	MH	SW8081
Toxaphene	ND	1.0	ug/L	03/05/13	MH	SW8081
QA/QC Surrogates						
%DCBP (Surrogate Rec)	89		%	03/05/13	MH	30 - 150 %
%TCMX (Surrogate Rec)	Interference		%	03/05/13	MH	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	03/05/13	R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	03/05/13	R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	03/05/13	R/T	SW8260
2-Hexanone	ND	5.0	ug/L	03/05/13	R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	03/05/13	R/T	SW8260 1
4-Chlorotoluene	ND	1.0	ug/L	03/05/13	R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	03/05/13	R/T	SW8260
Acetone	ND	25	ug/L	03/05/13	R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	03/05/13	R/T	SW8260
Benzene	ND	0.70	ug/L	03/05/13	R/T	SW8260
Bromobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	03/05/13	R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	03/05/13	R/T	SW8260

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Bromoform	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Bromomethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Carbon Disulfide	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Chlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Chloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Chloroform	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Chloromethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
cis-1,2-Dichloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	0.50	ug/L	03/05/13	R/T	SW8260	1
Dibromochloromethane	ND	0.50	ug/L	03/05/13	R/T	SW8260	
Dibromomethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Ethylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	03/05/13	R/T	SW8260	
Isopropylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
m&p-Xylene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Methylene chloride	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Naphthalene	1.1	1.0	ug/L	03/05/13	R/T	SW8260	
n-Butylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
n-Propylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
o-Xylene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Styrene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Tetrachloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	2.5	ug/L	03/05/13	R/T	SW8260	1
Toluene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Total Xylenes	ND	1.0	ug/L	03/05/13	R/T	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	0.50	ug/L	03/05/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Trichloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Vinyl chloride	ND	1.0	ug/L	03/05/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	03/05/13	R/T	70 - 130 %	
% Bromofluorobenzene	77		%	03/05/13	R/T	70 - 130 %	
% Dibromofluoromethane	101		%	03/05/13	R/T	70 - 130 %	
% Toluene-d8	99		%	03/05/13	R/T	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0	ug/L	03/07/13	DD	SW8270	
1,2-Dichlorobenzene	ND	5.0	ug/L	03/07/13	DD	SW8270	
1,2-Diphenylhydrazine	ND	5.0	ug/L	03/07/13	DD	SW8270	
1,3-Dichlorobenzene	ND	5.0	ug/L	03/07/13	DD	SW8270	

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	5.0	ug/L	03/07/13	DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	03/07/13	DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	03/07/13	DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	03/07/13	DD	SW8270
2,4-Dimethylphenol	ND	10	ug/L	03/07/13	DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	03/07/13	DD	SW8270
2,4-Dinitrotoluene	ND	5.0	ug/L	03/07/13	DD	SW8270
2,6-Dinitrotoluene	ND	5.0	ug/L	03/07/13	DD	SW8270
2-Chloronaphthalene	ND	5.0	ug/L	03/07/13	DD	SW8270
2-Chlorophenol	ND	10	ug/L	03/07/13	DD	SW8270
2-Methylnaphthalene	ND	5.0	ug/L	03/07/13	DD	SW8270
2-Methylphenol (o-cresol)	ND	10	ug/L	03/07/13	DD	SW8270
2-Nitroaniline	ND	50	ug/L	03/07/13	DD	SW8270
2-Nitrophenol	ND	10	ug/L	03/07/13	DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	03/07/13	DD	SW8270
3,3'-Dichlorobenzidine	ND	50	ug/L	03/07/13	DD	SW8270
3-Nitroaniline	ND	50	ug/L	03/07/13	DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	03/07/13	DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0	ug/L	03/07/13	DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	03/07/13	DD	SW8270
4-Chloroaniline	ND	20	ug/L	03/07/13	DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	03/07/13	DD	SW8270
4-Nitroaniline	ND	20	ug/L	03/07/13	DD	SW8270
4-Nitrophenol	ND	50	ug/L	03/07/13	DD	SW8270
Acetophenone	ND	5.0	ug/L	03/07/13	DD	SW8270
Aniline	ND	10	ug/L	03/07/13	DD	SW8270
Anthracene	ND	5.0	ug/L	03/07/13	DD	SW8270
Benzidine	ND	50	ug/L	03/07/13	DD	SW8270
Benzoic acid	ND	50	ug/L	03/07/13	DD	SW8270
Benzyl butyl phthalate	ND	5.0	ug/L	03/07/13	DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	03/07/13	DD	SW8270
Bis(2-chloroethyl)ether	ND	5.0	ug/L	03/07/13	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	03/07/13	DD	SW8270
Carbazole	8.4	5.0	ug/L	03/07/13	DD	SW8270
Dibenzofuran	ND	5.0	ug/L	03/07/13	DD	SW8270
Diethyl phthalate	ND	5.0	ug/L	03/07/13	DD	SW8270
Dimethylphthalate	ND	5.0	ug/L	03/07/13	DD	SW8270
Di-n-butylphthalate	ND	5.0	ug/L	03/07/13	DD	SW8270
Di-n-octylphthalate	ND	5.0	ug/L	03/07/13	DD	SW8270
Fluoranthene	21	5.0	ug/L	03/07/13	DD	SW8270
Fluorene	ND	5.0	ug/L	03/07/13	DD	SW8270
Hexachlorobutadiene	ND	5.0	ug/L	03/07/13	DD	SW8270
Hexachlorocyclopentadiene	ND	5.0	ug/L	03/07/13	DD	SW8270
Isophorone	ND	5.0	ug/L	03/07/13	DD	SW8270
Naphthalene	ND	5.0	ug/L	03/07/13	DD	SW8270
Nitrobenzene	ND	5.0	ug/L	03/07/13	DD	SW8270
N-Nitrosodimethylamine	ND	5.0	ug/L	03/07/13	DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	03/07/13	DD	SW8270
N-Nitrosodiphenylamine	ND	5.0	ug/L	03/07/13	DD	SW8270
Phenol	ND	10	ug/L	03/07/13	DD	SW8270

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Pyrene	17	5.0	ug/L	03/07/13	DD	SW8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	74		%	03/07/13	DD	15 - 130 %	
% 2-Fluorobiphenyl	73		%	03/07/13	DD	30 - 130 %	
% 2-Fluorophenol	64		%	03/07/13	DD	15 - 130 %	
% Nitrobenzene-d5	87		%	03/07/13	DD	30 - 130 %	
% Phenol-d5	67		%	03/07/13	DD	15 - 130 %	
% Terphenyl-d14	26		%	03/07/13	DD	30 - 130 %	3
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	03/05/13	DD	SW8270 (SIM)	
Acenaphthene	2.4	0.050	ug/L	03/05/13	DD	SW8270 (SIM)	
Acenaphthylene	0.93	0.050	ug/L	03/05/13	DD	SW8270 (SIM)	
Benz(a)anthracene	8.9	0.040	ug/L	03/05/13	DD	SW8270 (SIM)	
Benzo(a)pyrene	8	0.050	ug/L	03/05/13	DD	SW8270 (SIM)	
Benzo(b)fluoranthene	9.9	0.050	ug/L	03/05/13	DD	SW8270 (SIM)	
Benzo(ghi)perylene	4.8	3.0	ug/L	03/05/13	DD	SW8270 (SIM)	
Benzo(k)fluoranthene	3.5	0.050	ug/L	03/05/13	DD	SW8270 (SIM)	
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	03/05/13	DD	SW8270 (SIM)	
Chrysene	8	0.050	ug/L	03/05/13	DD	SW8270 (SIM)	
Dibenz(a,h)anthracene	1.3	0.010	ug/L	03/05/13	DD	SW8270 (SIM)	
Hexachlorobenzene	ND	0.060	ug/L	03/05/13	DD	SW8270 (SIM)	
Hexachloroethane	ND	2.4	ug/L	03/05/13	DD	SW8270 (SIM)	
Indeno(1,2,3-cd)pyrene	4.4	0.050	ug/L	03/05/13	DD	SW8270 (SIM)	
Pentachloronitrobenzene	ND	0.10	ug/L	03/05/13	DD	SW8270 (SIM)	
Pentachlorophenol	ND	0.80	ug/L	03/05/13	DD	SW8270 (SIM)	
Phenanthrene	20	0.050	ug/L	03/05/13	DD	SW8270 (SIM)	
Pyridine	ND	0.50	ug/L	03/05/13	DD	SW8270 (SIM)	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	74		%	03/05/13	DD	15 - 130 %	
% 2-Fluorobiphenyl	73		%	03/05/13	DD	30 - 130 %	
% 2-Fluorophenol	64		%	03/05/13	DD	15 - 130 %	
% Nitrobenzene-d5	87		%	03/05/13	DD	30 - 130 %	
% Phenol-d5	67		%	03/05/13	DD	15 - 130 %	
% Terphenyl-d14	26		%	03/05/13	DD	30 - 130 %	3

Project ID: 85 4TH AVE. Phoenix I.D.: BD42114

Client ID: MW3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

* One of the surrogate recovery's was below the lower range, but within the method criteria for semivolatiles. The other surrogates associated with this sample were within QA/QC criteria. No significant bias is suspected.

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

Phyllis Shiller, Laboratory Director

March 14, 2013

Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 14, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/03/13	0:00
Location Code:	EBC	Received by:	LB	03/04/13	15:02
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD42112
Phoenix ID: BD42115

Project ID: 85 4TH AVE.
Client ID: DUPLICATE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	03/04/13	EK	SW6010
Aluminum	6.92	0.010	mg/L	03/04/13	EK	SW6010
Arsenic	0.011	0.004	mg/L	03/04/13	LK	SW6010
Barium	0.145	0.002	mg/L	03/04/13	EK	SW6010
Beryllium	< 0.001	0.001	mg/L	03/04/13	EK	SW6010
Calcium	112	0.010	mg/L	03/04/13	EK	SW6010
Cadmium	< 0.001	0.001	mg/L	03/04/13	EK	SW6010
Cobalt	0.005	0.002	mg/L	03/04/13	EK	SW6010
Chromium	0.015	0.001	mg/L	03/04/13	EK	SW6010
Copper	0.018	0.005	mg/L	03/04/13	EK	SW6010
Silver (Dissolved)	< 0.001	0.001	mg/L	03/04/13	EK	SW6010
Aluminum (Dissolved)	0.65	0.01	mg/L	03/04/13	EK	SW6010
Arsenic (Dissolved)	< 0.004	0.004	mg/L	03/04/13	EK	SW6010
Barium (Dissolved)	0.115	0.002	mg/L	03/04/13	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	mg/L	03/04/13	EK	SW6010
Calcium (Dissolved)	115	0.01	mg/L	03/04/13	EK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	03/04/13	EK	SW6010
Cobalt (Dissolved)	0.002	0.001	mg/L	03/04/13	EK	SW6010
Chromium (Dissolved)	< 0.001	0.001	mg/L	03/04/13	EK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	03/04/13	EK	SW6010
Iron (Dissolved)	0.511	0.011	mg/L	03/04/13	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	03/05/13	JA	SW7470
Potassium (Dissolved)	17.2	0.1	mg/L	03/04/13	EK	SW6010
Magnesium (Dissolved)	33.1	0.01	mg/L	03/04/13	EK	SW6010
Manganese (Dissolved)	3.05	0.011	mg/L	03/04/13	EK	SW6010
Sodium (Dissolved)	109	1.1	mg/L	03/04/13	EK	SW6010
Nickel (Dissolved)	0.008	0.001	mg/L	03/04/13	EK	SW6010
Lead (Dissolved)	0.002	0.002	mg/L	03/04/13	EK	SW6010

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Antimony (Dissolved)	< 0.005	0.005	mg/L	03/04/13	EK	SW6010
Selenium (Dissolved)	< 0.011	0.011	mg/L	03/04/13	EK	SW6010
Thallium (Dissolved)	< 0.002	0.002	mg/L	03/06/13	PS	SW7010
Vanadium (Dissolved)	< 0.002	0.002	mg/L	03/04/13	EK	SW6010
Zinc (Dissolved)	< 0.002	0.002	mg/L	03/04/13	EK	SW6010
Iron	13.7	0.010	mg/L	03/04/13	EK	SW6010
Mercury	< 0.0002	0.0002	mg/L	03/05/13	JA	SW7470
Potassium	17.2	0.1	mg/L	03/04/13	EK	SW6010
Magnesium	34.9	0.01	mg/L	03/04/13	EK	SW6010
Manganese	2.91	0.010	mg/L	03/05/13	LK	SW6010
Sodium	96.1	1.0	mg/L	03/05/13	LK	SW6010
Nickel	0.028	0.001	mg/L	03/04/13	EK	SW6010
Lead	0.009	0.002	mg/L	03/04/13	EK	SW6010
Antimony	< 0.005	0.005	mg/L	03/04/13	LK	SW6010
Selenium	< 0.010	0.010	mg/L	03/04/13	EK	SW6010
Thallium	< 0.002	0.002	mg/L	03/06/13	RS	SM3113B/SW70
Vanadium	0.018	0.002	mg/L	03/04/13	EK	SW6010
Zinc	0.031	0.002	mg/L	03/04/13	EK	SW6010
Filtration	Completed			03/04/13	AG	0.45um Filter
Dissolved Mercury Digestion	Completed			03/05/13	X/X	SW7470
Mercury Digestion	Completed			03/05/13	X/X	SW7470
PCB Extraction	Completed			03/04/13	BT	SW3510C
Extraction for Pest (2 Liter)	Completed			03/04/13	BT	SW3510
Semi-Volatile Extraction	Completed			03/04/13	I/KXD	SW3520
Dissolved Metals Preparation	Completed			03/04/13	AG	SW846-3005
Total Metals Digestion	Completed			03/04/13	AG	
Polychlorinated Biphenyls						
PCB-1016	ND	0.12	ug/L	03/06/13	AW	8082
PCB-1221	ND	0.12	ug/L	03/06/13	AW	8082
PCB-1232	ND	0.12	ug/L	03/06/13	AW	8082
PCB-1242	ND	0.12	ug/L	03/06/13	AW	8082
PCB-1248	ND	0.12	ug/L	03/06/13	AW	8082
PCB-1254	ND	0.12	ug/L	03/06/13	AW	8082
PCB-1260	ND	0.12	ug/L	03/06/13	AW	8082
PCB-1262	ND	0.12	ug/L	03/06/13	AW	8082
PCB-1268	ND	0.12	ug/L	03/06/13	AW	8082
QA/QC Surrogates						
% DCBP	61		%	03/06/13	AW	30 - 150 %
% TCMX	70		%	03/06/13	AW	30 - 150 %
Pesticides						
4,4' -DDD	ND	0.061	ug/L	03/05/13	MH	SW8081
4,4' -DDE	ND	0.061	ug/L	03/05/13	MH	SW8081
4,4' -DDT	ND	0.061	ug/L	03/05/13	MH	SW8081
a-BHC	ND	0.030	ug/L	03/05/13	MH	SW8081
Alachlor	ND	0.091	ug/L	03/05/13	MH	SW8081 1
Aldrin	ND	0.002	ug/L	03/05/13	MH	SW8081
b-BHC	ND	0.006	ug/L	03/05/13	MH	SW8081
Chlordane	ND	0.36	ug/L	03/05/13	MH	SW8081

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
d-BHC	ND	0.030	ug/L	03/05/13	MH	SW8081	
Dieldrin	ND	0.002	ug/L	03/05/13	MH	SW8081	
Endosulfan I	ND	0.061	ug/L	03/05/13	MH	SW8081	
Endosulfan II	ND	0.061	ug/L	03/05/13	MH	SW8081	
Endosulfan Sulfate	ND	0.061	ug/L	03/05/13	MH	SW8081	
Endrin	ND	0.061	ug/L	03/05/13	MH	SW8081	
Endrin Aldehyde	ND	0.061	ug/L	03/05/13	MH	SW8081	
Endrin ketone	ND	0.061	ug/L	03/05/13	MH	SW8081	
g-BHC (Lindane)	ND	0.030	ug/L	03/05/13	MH	SW8081	
Heptachlor	ND	0.030	ug/L	03/05/13	MH	SW8081	
Heptachlor epoxide	ND	0.030	ug/L	03/05/13	MH	SW8081	
Methoxychlor	ND	0.12	ug/L	03/05/13	MH	SW8081	
Toxaphene	ND	1.2	ug/L	03/05/13	MH	SW8081	
QA/QC Surrogates							
%DCBP (Surrogate Rec)	86		%	03/05/13	MH	30 - 150 %	
%TCMX (Surrogate Rec)	87		%	03/05/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,1,1-Trichloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	03/05/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,1-Dichloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,1-Dichloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2-Dibromoethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	03/05/13	R/T	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
2-Hexanone	ND	5.0	ug/L	03/05/13	R/T	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	03/05/13	R/T	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Acetone	ND	25	ug/L	03/05/13	R/T	SW8260	
Acrylonitrile	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Benzene	ND	0.70	ug/L	03/05/13	R/T	SW8260	
Bromobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Bromochloromethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Bromodichloromethane	ND	0.50	ug/L	03/05/13	R/T	SW8260	

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Bromoform	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Bromomethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Carbon Disulfide	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Chlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Chloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Chloroform	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Chloromethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
cis-1,2-Dichloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	0.50	ug/L	03/05/13	R/T	SW8260	1
Dibromochloromethane	ND	0.50	ug/L	03/05/13	R/T	SW8260	
Dibromomethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Ethylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	03/05/13	R/T	SW8260	
Isopropylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
m&p-Xylene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Methylene chloride	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Naphthalene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
n-Butylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
n-Propylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
o-Xylene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Styrene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Tetrachloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	2.5	ug/L	03/05/13	R/T	SW8260	1
Toluene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Total Xylenes	ND	1.0	ug/L	03/05/13	R/T	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	0.50	ug/L	03/05/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Trichloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Vinyl chloride	ND	1.0	ug/L	03/05/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	03/05/13	R/T	70 - 130 %	
% Bromofluorobenzene	84		%	03/05/13	R/T	70 - 130 %	
% Dibromofluoromethane	101		%	03/05/13	R/T	70 - 130 %	
% Toluene-d8	98		%	03/05/13	R/T	70 - 130 %	
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	03/07/13	DD	SW8270	
1,2-Dichlorobenzene	ND	5.0	ug/L	03/07/13	DD	SW8270	
1,2-Diphenylhydrazine	ND	5.0	ug/L	03/07/13	DD	SW8270	
1,3-Dichlorobenzene	ND	5.0	ug/L	03/07/13	DD	SW8270	

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	5.0	ug/L	03/07/13	DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	03/07/13	DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	03/07/13	DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	03/07/13	DD	SW8270
2,4-Dimethylphenol	ND	10	ug/L	03/07/13	DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	03/07/13	DD	SW8270
2,4-Dinitrotoluene	ND	5.0	ug/L	03/07/13	DD	SW8270
2,6-Dinitrotoluene	ND	5.0	ug/L	03/07/13	DD	SW8270
2-Chloronaphthalene	ND	5.0	ug/L	03/07/13	DD	SW8270
2-Chlorophenol	ND	10	ug/L	03/07/13	DD	SW8270
2-Methylnaphthalene	ND	5.0	ug/L	03/07/13	DD	SW8270
2-Methylphenol (o-cresol)	ND	10	ug/L	03/07/13	DD	SW8270
2-Nitroaniline	ND	50	ug/L	03/07/13	DD	SW8270
2-Nitrophenol	ND	10	ug/L	03/07/13	DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	03/07/13	DD	SW8270
3,3'-Dichlorobenzidine	ND	50	ug/L	03/07/13	DD	SW8270
3-Nitroaniline	ND	50	ug/L	03/07/13	DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	03/07/13	DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0	ug/L	03/07/13	DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	03/07/13	DD	SW8270
4-Chloroaniline	ND	20	ug/L	03/07/13	DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	03/07/13	DD	SW8270
4-Nitroaniline	ND	20	ug/L	03/07/13	DD	SW8270
4-Nitrophenol	ND	50	ug/L	03/07/13	DD	SW8270
Acetophenone	ND	5.0	ug/L	03/07/13	DD	SW8270
Aniline	ND	10	ug/L	03/07/13	DD	SW8270
Anthracene	ND	5.0	ug/L	03/07/13	DD	SW8270
Benzidine	ND	50	ug/L	03/07/13	DD	SW8270
Benzoic acid	ND	50	ug/L	03/07/13	DD	SW8270
Benzyl butyl phthalate	ND	5.0	ug/L	03/07/13	DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	03/07/13	DD	SW8270
Bis(2-chloroethyl)ether	ND	5.0	ug/L	03/07/13	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	03/07/13	DD	SW8270
Carbazole	ND	5.0	ug/L	03/07/13	DD	SW8270
Dibenzofuran	ND	5.0	ug/L	03/07/13	DD	SW8270
Diethyl phthalate	ND	5.0	ug/L	03/07/13	DD	SW8270
Dimethylphthalate	ND	5.0	ug/L	03/07/13	DD	SW8270
Di-n-butylphthalate	ND	5.0	ug/L	03/07/13	DD	SW8270
Di-n-octylphthalate	ND	5.0	ug/L	03/07/13	DD	SW8270
Fluoranthene	ND	5.0	ug/L	03/07/13	DD	SW8270
Fluorene	ND	5.0	ug/L	03/07/13	DD	SW8270
Hexachlorobutadiene	ND	5.0	ug/L	03/07/13	DD	SW8270
Hexachlorocyclopentadiene	ND	5.0	ug/L	03/07/13	DD	SW8270
Isophorone	ND	5.0	ug/L	03/07/13	DD	SW8270
Naphthalene	ND	5.0	ug/L	03/07/13	DD	SW8270
Nitrobenzene	ND	5.0	ug/L	03/07/13	DD	SW8270
N-Nitrosodimethylamine	ND	5.0	ug/L	03/07/13	DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	03/07/13	DD	SW8270
N-Nitrosodiphenylamine	ND	5.0	ug/L	03/07/13	DD	SW8270
Phenol	ND	10	ug/L	03/07/13	DD	SW8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Pyrene	ND	5.0	ug/L	03/07/13	DD	SW8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	83		%	03/07/13	DD	15 - 130 %
% 2-Fluorobiphenyl	88		%	03/07/13	DD	30 - 130 %
% 2-Fluorophenol	73		%	03/07/13	DD	15 - 130 %
% Nitrobenzene-d5	93		%	03/07/13	DD	30 - 130 %
% Phenol-d5	70		%	03/07/13	DD	15 - 130 %
% Terphenyl-d14	79		%	03/07/13	DD	30 - 130 %
Semivolatiles						
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	03/05/13	DD	SW8270 (SIM)
Acenaphthene	ND	0.050	ug/L	03/05/13	DD	SW8270 (SIM)
Acenaphthylene	ND	0.050	ug/L	03/05/13	DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	03/05/13	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.050	ug/L	03/05/13	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.050	ug/L	03/05/13	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.0	ug/L	03/05/13	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.050	ug/L	03/05/13	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	2.8	1.6	ug/L	03/05/13	DD	SW8270 (SIM)
Chrysene	ND	0.050	ug/L	03/05/13	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.010	ug/L	03/05/13	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.060	ug/L	03/05/13	DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	ug/L	03/05/13	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	0.05	0.050	ug/L	03/05/13	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	03/05/13	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	ug/L	03/05/13	DD	SW8270 (SIM)
Phenanthrene	ND	0.050	ug/L	03/05/13	DD	SW8270 (SIM)
Pyridine	ND	0.50	ug/L	03/05/13	DD	SW8270 (SIM)
QA/QC Surrogates						
% 2,4,6-Tribromophenol	83		%	03/05/13	DD	15 - 130 %
% 2-Fluorobiphenyl	88		%	03/05/13	DD	30 - 130 %
% 2-Fluorophenol	73		%	03/05/13	DD	15 - 130 %
% Nitrobenzene-d5	93		%	03/05/13	DD	30 - 130 %
% Phenol-d5	70		%	03/05/13	DD	15 - 130 %
% Terphenyl-d14	79		%	03/05/13	DD	30 - 130 %

Project ID: 85 4TH AVE. Phoenix I.D.: BD42115
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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

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

Comments:

DUPLICATE INCLUDED
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The unfiltered metals container contained significantly less sediment that any of the other samples; a low bias compared to the other samples is suspected.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 14, 2013
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 14, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/03/13	0:00
Location Code:	EBC	Received by:	LB	03/04/13	15:02
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD42112
Phoenix ID: BD42116

Project ID: 85 4TH AVE.
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,1,1-Trichloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	03/05/13	R/T	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,1-Dichloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,1-Dichloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2-Dibromoethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	03/05/13	R/T	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
2-Hexanone	ND	5.0	ug/L	03/05/13	R/T	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	03/05/13	R/T	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Acetone	ND	25	ug/L	03/05/13	R/T	SW8260	

Project ID: 85 4TH AVE.
Client ID: TRIP BLANK

Phoenix I.D.: BD42116

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acrylonitrile	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Benzene	ND	0.70	ug/L	03/05/13	R/T	SW8260	
Bromobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Bromochloromethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Bromodichloromethane	ND	0.50	ug/L	03/05/13	R/T	SW8260	
Bromoform	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Bromomethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Carbon Disulfide	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Chlorobenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Chloroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Chloroform	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Chloromethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
cis-1,2-Dichloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
cis-1,3-Dichloropropene	ND	0.50	ug/L	03/05/13	R/T	SW8260	1
Dibromochloromethane	ND	0.50	ug/L	03/05/13	R/T	SW8260	
Dibromomethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Ethylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	03/05/13	R/T	SW8260	
Isopropylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
m&p-Xylene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Methylene chloride	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Naphthalene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
n-Butylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
n-Propylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
o-Xylene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Styrene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Tetrachloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Tetrahydrofuran (THF)	ND	2.5	ug/L	03/05/13	R/T	SW8260	1
Toluene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Total Xylenes	ND	1.0	ug/L	03/05/13	R/T	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
trans-1,3-Dichloropropene	ND	0.50	ug/L	03/05/13	R/T	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	03/05/13	R/T	SW8260	
Trichloroethene	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	03/05/13	R/T	SW8260	
Vinyl chloride	ND	1.0	ug/L	03/05/13	R/T	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	03/05/13	R/T	70 - 130 %	
% Bromofluorobenzene	79		%	03/05/13	R/T	70 - 130 %	
% Dibromofluoromethane	102		%	03/05/13	R/T	70 - 130 %	
% Toluene-d8	100		%	03/05/13	R/T	70 - 130 %	

Project ID: 85 4TH AVE. Phoenix I.D.: BD42116

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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

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

Comments:

TRIP BLANK INCLUDED

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

March 14, 2013

Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

NY # 11301

QA/QC Report

March 14, 2013

QA/QC Data

SDG I.D.: GBD42112

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 222588, QC Sample No: BD40797 (BD42112, BD42113, BD42114, BD42115)												
ICP Metals - Aqueous												
Aluminum	BRL	0.046	0.060	NC	99.5	93.9	5.8	91.6	78.7	15.1	75 - 125	20
Antimony	BRL	0.006	<0.005	NC	101	98.5	2.5	98.4	90.2	8.7	75 - 125	20
Arsenic	BRL	<0.004	<0.004	NC	97.3	92.2	5.4	92.7	85.0	8.7	75 - 125	20
Barium	BRL	0.130	0.123	5.50	104	98.3	5.6	98.5	90.5	8.5	75 - 125	20
Beryllium	BRL	<0.001	<0.001	NC	99.4	94.8	4.7	95.1	86.7	9.2	75 - 125	20
Cadmium	BRL	<0.001	<0.001	NC	99.7	95.6	4.2	95.3	86.9	9.2	75 - 125	20
Calcium	BRL	19.5	18.6	4.70	101	106	4.8	NC	NC	NC	75 - 125	20
Chromium	BRL	<0.001	<0.001	NC	98.5	93.0	5.7	93.5	85.3	9.2	75 - 125	20
Cobalt	BRL	<0.002	<0.002	NC	100	97.5	2.5	97.7	89.7	8.5	75 - 125	20
Copper	BRL	0.017	0.016	NC	103	96.8	6.2	97.4	88.5	9.6	75 - 125	20
Iron	BRL	0.456	0.424	7.30	101	96.4	4.7	95.5	89.0	7.0	75 - 125	20
Lead	BRL	<0.002	<0.002	NC	99.5	94.0	5.7	94.5	86.9	8.4	75 - 125	20
Magnesium	BRL	3.52	3.30	6.50	102	97.4	4.6	95.5	84.0	12.8	75 - 125	20
Manganese	BRL	0.082	0.077	6.30	101	96.2	4.9	96.0	87.4	9.4	75 - 125	20
Nickel	BRL	0.002	0.002	NC	102	96.4	5.6	96.8	88.5	9.0	75 - 125	20
Potassium	BRL	1.6	1.5	6.50	96.4	92.1	4.6	91.9	84.5	8.4	75 - 125	20
Selenium	BRL	<0.010	<0.010	NC	92.7	88.5	4.6	88.2	80.9	8.6	75 - 125	20
Silver	BRL	<0.001	<0.001	NC	96.7	92.1	4.9	92.4	84.3	9.2	75 - 125	20
Sodium	BRL	42.5	40.1	5.80	108	105	2.8	NC	NC	NC	75 - 125	20
Vanadium	BRL	<0.002	<0.002	NC	98.8	93.7	5.3	94.3	85.7	9.6	75 - 125	20
Zinc	BRL	1.38	1.29	6.70	98.0	93.9	4.3	92.9	83.7	10.4	75 - 125	20
QA/QC Batch 222502, QC Sample No: BD41825 (BD42112, BD42113, BD42114, BD42115)												
ICP Metals - Dissolved												
Aluminum	BRL	0.07	0.07	0	83.9	86.8	3.4	96.0	99.2	3.3	75 - 125	20
Antimony	BRL	<0.005	<0.005	NC	88.9	90.2	1.5	99.0	102	3.0	75 - 125	20
Arsenic	BRL	0.004	<0.004	NC	84.0	84.2	0.2	93.3	96.7	3.6	75 - 125	20
Barium	BRL	0.033	0.033	0	86.8	90.2	3.8	98.4	102	3.6	75 - 125	20
Beryllium	BRL	<0.001	<0.001	NC	84.3	85.2	1.1	94.0	97.2	3.3	75 - 125	20
Cadmium	BRL	<0.001	<0.001	NC	88.3	86.9	1.6	94.2	98.6	4.6	75 - 125	20
Calcium	BRL	39.2	38.1	2.80	86.3	86.1	0.2	NC	NC	NC	75 - 125	20
Chromium	BRL	<0.001	<0.001	NC	86.3	87.0	0.8	94.4	98.4	4.1	75 - 125	20
Cobalt	BRL	0.001	0.001	NC	86.4	86.8	0.5	94.8	98.9	4.2	75 - 125	20
Copper	BRL	<0.005	<0.005	NC	87.0	90.3	3.7	100	103	3.0	75 - 125	20
Iron	BRL	0.033	0.033	NC	85.9	86.7	0.9	94.5	98.4	4.0	75 - 125	20
Lead	BRL	<0.002	<0.002	NC	86.5	85.9	0.7	93.6	97.9	4.5	75 - 125	20
Magnesium	BRL	15.2	14.8	2.70	86.0	87.0	1.2	NC	NC	NC	75 - 125	20
Manganese	BRL	1.32	1.29	2.30	86.1	87.5	1.6	91.1	94.8	4.0	75 - 125	20
Nickel	BRL	0.005	0.005	0	86.0	86.1	0.1	93.6	97.5	4.1	75 - 125	20
Potassium	BRL	3.0	2.9	3.40	91.9	99.0	7.4	108	110	1.8	75 - 125	20
Selenium	BRL	<0.011	<0.011	NC	77.4	78.9	1.9	87.3	90.3	3.4	75 - 125	20
Silver	BRL	<0.001	<0.001	NC	83.0	85.7	3.2	94.3	97.5	3.3	75 - 125	20

QA/QC Data

SDG I.D.: GBD42112

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Sodium	BRL	20.2	20.2	0	90.8	97.2	6.8	NC	NC	NC	75 - 125	20
Vanadium	BRL	<0.002	<0.002	NC	85.1	86.3	1.4	94.7	98.4	3.8	75 - 125	20
Zinc	BRL	0.004	0.004	NC	86.8	87.7	1.0	97.8	101	3.2	75 - 125	20
QA/QC Batch 222501, QC Sample No: BD41825 (BD42112, BD42113, BD42114, BD42115)												
Thallium (Dissolved)		<0.002	<0.005	NC	123	121	1.6	109			75 - 125	20
QA/QC Batch 222488, QC Sample No: BD41825 (BD42112, BD42113, BD42114, BD42115)												
Thallium - Water	BRL	<0.002	<0.002	NC	94.0	99.6	5.8	84.3	86.2	2.2		
Thallium (Dissolved) - Water		<0.002							116			
QA/QC Batch 222636, QC Sample No: BD42202 (BD42112, BD42113, BD42114, BD42115)												
Mercury - Water	BRL	<0.0002	<0.0002	NC	116	114	1.7	108	110	1.8	70 - 130	20

Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

PHOENIX

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

QA/QC Report

March 14, 2013

QA/QC Data

SDG I.D.: GBD42112

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 222506, QC Sample No: BD41825 (BD42112, BD42113, BD42114, BD42115)										
Pesticides - Ground Water										
4,4' -DDD	ND	112	106	5.5	105	93	12.1	40 - 140	20	
4,4' -DDE	ND	104	99	4.9	99	87	12.9	40 - 140	20	
4,4' -DDT	ND	118	107	9.8	98	84	15.4	40 - 140	20	
a-BHC	ND	100	96	4.1	96	88	8.7	40 - 140	20	
a-Chlordane	ND	107	100	6.8	102	91	11.4	40 - 140	20	
Alachlor	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	20	
Aldrin	ND	92	88	4.4	93	83	11.4	40 - 140	20	
b-BHC	ND	106	101	4.8	103	95	8.1	40 - 140	20	
Chlordane	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	20	
d-BHC	ND	103	96	7.0	96	86	11.0	40 - 140	20	
Dieldrin	ND	110	103	6.6	118	103	13.6	40 - 140	20	
Endosulfan I	ND	105	98	6.9	97	88	9.7	40 - 140	20	
Endosulfan II	ND	118	109	7.9	109	96	12.7	40 - 140	20	
Endosulfan sulfate	ND	77	81	5.1	96	86	11.0	40 - 140	20	
Endrin	ND	116	109	6.2	109	98	10.6	40 - 140	20	
Endrin aldehyde	ND	95	82	14.7	78	72	8.0	40 - 140	20	
Endrin ketone	ND	116	109	6.2	108	98	9.7	40 - 140	20	
g-BHC	ND	100	95	5.1	96	93	3.2	40 - 140	20	
g-Chlordane	ND	103	96	7.0	99	88	11.8	40 - 140	20	
Heptachlor	ND	103	101	2.0	100	91	9.4	40 - 140	20	
Heptachlor epoxide	ND	104	99	4.9	100	90	10.5	40 - 140	20	
Methoxychlor	ND	>130	>130	NC	116	93	22.0	40 - 140	20	l,r
Toxaphene	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	20	
% DCBP	90	103	90	13.5	43	40	7.2	30 - 150	20	
% TCMX	82	93	80	15.0	85	78	8.6	30 - 150	20	

Comment:

A LCS and LCS duplicate were performed instead of a matrix spike and matrix spike duplicate, unless otherwise noted. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane.

QA/QC Batch 222505, QC Sample No: BD41825 (BD42112, BD42113, BD42114, BD42115)										
Polychlorinated Biphenyls - Ground Water										
PCB-1016	ND	85	90	5.7	87	81	7.1	40 - 140	20	
PCB-1221	ND							40 - 140	20	
PCB-1232	ND							40 - 140	20	
PCB-1242	ND							40 - 140	20	
PCB-1248	ND							40 - 140	20	
PCB-1254	ND							40 - 140	20	
PCB-1260	ND	89	94	5.5	80	79	1.3	40 - 140	20	
PCB-1262	ND							40 - 140	20	
PCB-1268	ND							40 - 140	20	
% DCBP (Surrogate Rec)	79	73	79	7.9	45	47	4.3	30 - 150	20	
% TCMX (Surrogate Rec)	66	77	82	6.3	81	76	6.4	30 - 150	20	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 222581, QC Sample No: BD41939 (BD42112, BD42113, BD42114, BD42115)

Semivolatiles - Ground Water

1,2,4,5-Tetrachlorobenzene	ND	78	82	5.0				30 - 130	20
1,2,4-Trichlorobenzene	ND	74	80	7.8				30 - 130	20
1,2-Dichlorobenzene	ND	77	83	7.5				30 - 130	20
1,2-Diphenylhydrazine	ND	85	91	6.8				30 - 130	20
1,3-Dichlorobenzene	ND	75	81	7.7				30 - 130	20
1,4-Dichlorobenzene	ND	76	81	6.4				30 - 130	20
2,4,5-Trichlorophenol	ND	76	85	11.2				30 - 130	20
2,4,6-Trichlorophenol	ND	81	87	7.1				30 - 130	20
2,4-Dichlorophenol	ND	80	84	4.9				30 - 130	20
2,4-Dimethylphenol	ND	53	56	5.5				30 - 130	20
2,4-Dinitrophenol	ND	79	83	4.9				30 - 130	20
2,4-Dinitrotoluene	ND	81	86	6.0				30 - 130	20
2,6-Dinitrotoluene	ND	80	89	10.7				30 - 130	20
2-Chloronaphthalene	ND	83	90	8.1				30 - 130	20
2-Chlorophenol	ND	77	82	6.3				30 - 130	20
2-Methylnaphthalene	ND	79	84	6.1				30 - 130	20
2-Methylphenol (o-cresol)	ND	76	82	7.6				30 - 130	20
2-Nitroaniline	ND	113	124	9.3				30 - 130	20
2-Nitrophenol	ND	75	81	7.7				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	74	80	7.8				30 - 130	20
3,3'-Dichlorobenzidine	ND	N/A	N/A	NC				30 - 130	20
3-Nitroaniline	ND	88	94	6.6				30 - 130	20
4,6-Dinitro-2-methylphenol	ND	100	107	6.8				30 - 130	20
4-Bromophenyl phenyl ether	ND	83	88	5.8				30 - 130	20
4-Chloro-3-methylphenol	ND	78	83	6.2				30 - 130	20
4-Chloroaniline	ND	105	113	7.3				30 - 130	20
4-Chlorophenyl phenyl ether	ND	82	88	7.1				30 - 130	20
4-Nitroaniline	ND	88	96	8.7				30 - 130	20
4-Nitrophenol	ND	87	93	6.7				30 - 130	20
Acenaphthene	ND	82	89	8.2				30 - 130	20
Acenaphthylene	ND	82	87	5.9				30 - 130	20
Acetophenone	ND	80	86	7.2				30 - 130	20
Aniline	ND	N/A	N/A	NC				30 - 130	20
Anthracene	ND	83	90	8.1				30 - 130	20
Benz(a)anthracene	ND	85	89	4.6				30 - 130	20
Benzidine	ND	N/A	N/A	NC				10 - 130	20
Benzo(a)pyrene	ND	72	78	8.0				30 - 130	20
Benzo(b)fluoranthene	ND	74	79	6.5				30 - 130	20
Benzo(ghi)perylene	ND	78	88	12.0				30 - 130	20
Benzo(k)fluoranthene	ND	87	92	5.6				30 - 130	20
Benzoic acid	ND	N/A	N/A	NC				30 - 130	20
Benzyl butyl phthalate	ND	77	83	7.5				30 - 130	20
Bis(2-chloroethoxy)methane	ND	79	84	6.1				30 - 130	20
Bis(2-chloroethyl)ether	ND	78	83	6.2				30 - 130	20
Bis(2-chloroisopropyl)ether	ND	85	92	7.9				30 - 130	20
Bis(2-ethylhexyl)phthalate	ND	86	92	6.7				30 - 130	20
Carbazole	ND	98	104	5.9				30 - 130	20
Chrysene	ND	84	90	6.9				30 - 130	20

QA/QC Data

SDG I.D.: GBD42112

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Dibenz(a,h)anthracene	ND	77	87	12.2				30 - 130	20
Dibenzofuran	ND	83	90	8.1				30 - 130	20
Diethyl phthalate	ND	84	92	9.1				30 - 130	20
Dimethylphthalate	ND	87	94	7.7				30 - 130	20
Di-n-butylphthalate	ND	87	93	6.7				30 - 130	20
Di-n-octylphthalate	ND	82	90	9.3				30 - 130	20
Fluoranthene	ND	81	86	6.0				30 - 130	20
Fluorene	ND	83	90	8.1				30 - 130	20
Hexachlorobenzene	ND	85	90	5.7				30 - 130	20
Hexachlorobutadiene	ND	79	85	7.3				30 - 130	20
Hexachlorocyclopentadiene	ND	49	51	4.0				30 - 130	20
Hexachloroethane	ND	80	86	7.2				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	79	89	11.9				30 - 130	20
Isophorone	ND	84	93	10.2				30 - 130	20
Naphthalene	ND	79	85	7.3				30 - 130	20
Nitrobenzene	ND	83	89	7.0				30 - 130	20
N-Nitrosodimethylamine	ND	52	56	7.4				30 - 130	20
N-Nitrosodi-n-propylamine	ND	83	89	7.0				30 - 130	20
N-Nitrosodiphenylamine	ND	95	103	8.1				30 - 130	20
Pentachloronitrobenzene	ND	84	90	6.9				30 - 130	20
Pentachlorophenol	ND	102	108	5.7				30 - 130	20
Phenanthrene	ND	85	90	5.7				30 - 130	20
Phenol	ND	64	69	7.5				30 - 130	20
Pyrene	ND	81	87	7.1				30 - 130	20
Pyridine	ND	31	32	3.2				30 - 130	20
% 2,4,6-Tribromophenol	84	79	85	7.3				15 - 130	20
% 2-Fluorobiphenyl	84	78	86	9.8				30 - 130	20
% 2-Fluorophenol	73	55	58	5.3				15 - 130	20
% Nitrobenzene-d5	94	81	88	8.3				30 - 130	20
% Phenol-d5	73	61	67	9.4				15 - 130	20
% Terphenyl-d14	86	81	87	7.1				30 - 130	20

Comment:

Additional 8270 criteria:20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 222671, QC Sample No: BD42203 (BD42112, BD42113, BD42114, BD42115, BD42116)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	89	86	3.4	106	104	1.9	70 - 130	30
1,1,1-Trichloroethane	ND	101	96	5.1	110	111	0.9	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	100	95	5.1	96	98	2.1	70 - 130	30
1,1,2-Trichloroethane	ND	108	99	8.7	109	108	0.9	70 - 130	30
1,1-Dichloroethane	ND	104	100	3.9	105	108	2.8	70 - 130	30
1,1-Dichloroethene	ND	104	100	3.9	96	106	9.9	70 - 130	30
1,1-Dichloropropene	ND	98	93	5.2	101	100	1.0	70 - 130	30
1,2,3-Trichlorobenzene	ND	105	103	1.9	100	103	3.0	70 - 130	30
1,2,3-Trichloropropane	ND	102	98	4.0	103	103	0.0	70 - 130	30
1,2,4-Trichlorobenzene	ND	105	100	4.9	97	100	3.0	70 - 130	30
1,2,4-Trimethylbenzene	ND	106	102	3.8	95	96	1.0	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	109	101	7.6	105	108	2.8	70 - 130	30
1,2-Dibromoethane	ND	106	98	7.8	108	109	0.9	70 - 130	30
1,2-Dichlorobenzene	ND	103	101	2.0	98	100	2.0	70 - 130	30
1,2-Dichloroethane	ND	102	95	7.1	128	128	0.0	70 - 130	30
1,2-Dichloropropane	ND	105	98	6.9	105	103	1.9	70 - 130	30

QA/QC Data

SDG I.D.: GBD42112

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,3,5-Trimethylbenzene	ND	103	100	3.0	95	95	0.0	70 - 130	30	
1,3-Dichlorobenzene	ND	105	100	4.9	95	97	2.1	70 - 130	30	
1,3-Dichloropropane	ND	89	85	4.6	104	104	0.0	70 - 130	30	
1,4-Dichlorobenzene	ND	104	99	4.9	94	96	2.1	70 - 130	30	
2,2-Dichloropropane	ND	83	78	6.2	66	63	4.7	70 - 130	30	m
2-Chlorotoluene	ND	102	99	3.0	91	94	3.2	70 - 130	30	
2-Hexanone	ND	88	84	4.7	114	114	0.0	70 - 130	30	
2-Isopropyltoluene	ND	99	95	4.1	98	98	0.0	70 - 130	30	
4-Chlorotoluene	ND	103	98	5.0	92	93	1.1	70 - 130	30	
4-Methyl-2-pentanone	ND	110	103	6.6	123	120	2.5	70 - 130	30	
Acetone	ND	83	78	6.2	>150	>150	NC	70 - 130	30	m
Acrylonitrile	ND	101	97	4.0	107	110	2.8	70 - 130	30	
Benzene	ND	102	95	7.1	99	97	2.0	70 - 130	30	
Bromobenzene	ND	102	99	3.0	96	98	2.1	70 - 130	30	
Bromochloromethane	ND	105	98	6.9	106	106	0.0	70 - 130	30	
Bromodichloromethane	ND	106	101	4.8	112	113	0.9	70 - 130	30	
Bromoform	ND	94	90	4.3	118	120	1.7	70 - 130	30	
Bromomethane	ND	<40	40	NC	<40	47	NC	70 - 130	30	l,m
Carbon Disulfide	ND	98	92	6.3	98	105	6.9	70 - 130	30	
Carbon tetrachloride	ND	100	97	3.0	103	102	1.0	70 - 130	30	
Chlorobenzene	ND	101	97	4.0	101	100	1.0	70 - 130	30	
Chloroethane	ND	123	116	5.9	80	91	12.9	70 - 130	30	
Chloroform	ND	104	98	5.9	113	113	0.0	70 - 130	30	
Chloromethane	ND	<40	<40	NC	92	99	7.3	70 - 130	30	l
cis-1,2-Dichloroethene	ND	108	102	5.7	99	101	2.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	101	94	7.2	85	85	0.0	70 - 130	30	
Dibromochloromethane	ND	92	89	3.3	113	113	0.0	70 - 130	30	
Dibromomethane	ND	106	99	6.8	111	110	0.9	70 - 130	30	
Dichlorodifluoromethane	ND	148	144	2.7	86	90	4.5	70 - 130	30	l
Ethylbenzene	ND	88	85	3.5	96	95	1.0	70 - 130	30	
Hexachlorobutadiene	ND	92	92	0.0	96	97	1.0	70 - 130	30	
Isopropylbenzene	ND	104	100	3.9	91	91	0.0	70 - 130	30	
m&p-Xylene	ND	88	86	2.3	97	96	1.0	70 - 130	30	
Methyl ethyl ketone	ND	95	90	5.4	127	129	1.6	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	103	96	7.0	111	115	3.5	70 - 130	30	
Methylene chloride	ND	95	90	5.4	95	101	6.1	70 - 130	30	
Naphthalene	ND	111	106	4.6	98	103	5.0	70 - 130	30	
n-Butylbenzene	ND	99	97	2.0	95	96	1.0	70 - 130	30	
n-Propylbenzene	ND	102	99	3.0	92	92	0.0	70 - 130	30	
o-Xylene	ND	94	92	2.2	102	101	1.0	70 - 130	30	
p-Isopropyltoluene	ND	104	100	3.9	95	96	1.0	70 - 130	30	
sec-Butylbenzene	ND	99	94	5.2	94	93	1.1	70 - 130	30	
Styrene	ND	92	89	3.3	104	105	1.0	70 - 130	30	
tert-Butylbenzene	ND	101	98	3.0	95	94	1.1	70 - 130	30	
Tetrachloroethene	ND	84	82	2.4	98	95	3.1	70 - 130	30	
Tetrahydrofuran (THF)	ND	104	94	10.1	113	115	1.8	70 - 130	30	
Toluene	ND	101	98	3.0	92	94	2.2	70 - 130	30	
trans-1,2-Dichloroethene	ND	106	103	2.9	98	100	2.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	103	95	8.1	88	89	1.1	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	93	90	3.3	81	82	1.2	70 - 130	30	
Trichloroethene	ND	106	101	4.8	102	101	1.0	70 - 130	30	
Trichlorofluoromethane	ND	111	107	3.7	101	109	7.6	70 - 130	30	
Trichlorotrifluoroethane	ND	100	96	4.1	92	98	6.3	70 - 130	30	

QA/QC Data

SDG I.D.: GBD42112

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Vinyl chloride	ND	116	112	3.5	90	96	6.5	70 - 130	30
% 1,2-dichlorobenzene-d4	100	101	103	2.0	102	103	1.0	70 - 130	30
% Bromofluorobenzene	79	85	86	1.2	108	107	0.9	70 - 130	30
% Dibromofluoromethane	101	101	103	2.0	105	102	2.9	70 - 130	30
% Toluene-d8	99	100	99	1.0	99	98	1.0	70 - 130	30

Comment:

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

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

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

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

Phyllis Shiller, Laboratory Director
March 14, 2013

Sample Criteria Exceedences Report

GBD42112 - EBC

Requested Criteria: None

State: NY

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

*** No Data to Display ***

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

March 14, 2013

SDG I.D.: GBD42112

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

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

4°w/ice + ice — Temp — Pg 1 of 1

Data Delivery:
☐ Fax #:
☑ Email: csosik@ebcnyc.com

Customer: EBC
Address: 1808 Middle Country Rd Ridge NY

Project: 85 4th Ave BKlyn NY
Report to: EBC
Invoice to: EBC

Project P.O:
Phone #: 6315046000
Fax #:

Sampler's Signature:

Client Sample - Information - Identification

Date: 3.3.13

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	8260	8270	Pest/PCBs	metals (F/UNF) 6010/7471	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] T250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
42112	mw 1	gw	3.3	900	X	X	X	X				3	3	1		1		
42113	mw 2			1000														
42114	mw3			1100														
42115	Duplicate																	
42116	trip blank				X													

Relinquished by:	Accepted by:	Date:	Time:
		3-4-13	10:24
		3-4-13	1502

Comments, Special Requirements or Regulations:

(F/UNF) = Filtered/unfiltered

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

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

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

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

Data Package
☐ NJ Reduced Deliv. *

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Thursday, March 07, 2013

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

Project ID: 85 4TH AVE.
Sample ID#s: BD42108 - BD42111

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

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

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

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

Sincerely yours,

Phyllis Shiller

Laboratory Director

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

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 07, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KW	03/03/13	11:15
Location Code:	EBC	Received by:	LB	03/04/13	15:02
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD42108
Phoenix ID: BD42108

Project ID: 85 4TH AVE.
Client ID: SG1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	03/04/13	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	03/04/13	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	03/04/13	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	03/04/13	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	03/04/13	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	03/04/13	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	03/04/13	KCA	TO15	
1,2,4-Trimethylbenzene	0.45	*0.204*	2.21	*1.00*	03/04/13	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	03/04/13	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/04/13	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	03/04/13	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	03/04/13	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	03/04/13	KCA	TO15	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	03/04/13	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	03/04/13	KCA	TO15	
1,3-Dichlorobenzene	0.42	*0.166*	2.52	*1.00*	03/04/13	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/04/13	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	03/04/13	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	03/04/13	KCA	TO15	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	03/04/13	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	03/04/13	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.36	*0.244*	1.47	*1.00*	03/04/13	KCA	TO15	
Acetone	19.1	*0.421*	45.3	*1.00*	03/04/13	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	03/04/13	KCA	TO15	
Benzene	0.96	*0.313*	3.06	*1.00*	03/04/13	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	03/04/13	KCA	TO15	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	03/04/13	KCA	TO15	

Project ID: 85 4TH AVE. Phoenix I.D.: BD42108

Client ID: SG1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromoform	ND	*0.097*	ND	*1.00*	03/04/13	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	03/04/13	KCA	TO15	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	03/04/13	KCA	TO15	
Carbon Tetrachloride	0.07	*0.040*	0.440	*0.25*	03/04/13	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	03/04/13	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	03/04/13	KCA	TO15	
Chloroform	1.17	*0.205*	5.71	*1.00*	03/04/13	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	03/04/13	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	03/04/13	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	03/04/13	KCA	TO15	1
Cyclohexane	ND	*0.291*	ND	*1.00*	03/04/13	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	03/04/13	KCA	TO15	
Dichlorodifluoromethane	0.49	*0.202*	2.42	*1.00*	03/04/13	KCA	TO15	
Ethanol	21.2	*0.531*	39.9	*1.00*	03/04/13	KCA	TO15	1
Ethyl acetate	0.86	*0.278*	3.10	*1.00*	03/04/13	KCA	TO15	1
Ethylbenzene	0.61	*0.230*	2.65	*1.00*	03/04/13	KCA	TO15	
Heptane	4.25	*0.244*	17.4	*1.00*	03/04/13	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	03/04/13	KCA	TO15	
Hexane	ND	*0.284*	ND	*1.00*	03/04/13	KCA	TO15	
Isopropylalcohol	2.2	*0.407*	5.40	*1.00*	03/04/13	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	03/04/13	KCA	TO15	
m,p-Xylene	1.33	*0.230*	5.77	*1.00*	03/04/13	KCA	TO15	
Methyl Ethyl Ketone	1.67	*0.339*	4.92	*1.00*	03/04/13	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	03/04/13	KCA	TO15	
Methylene Chloride	ND	*0.288*	ND	*1.00*	03/04/13	KCA	TO15	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	03/04/13	KCA	TO15	1
o-Xylene	0.59	*0.230*	2.56	*1.00*	03/04/13	KCA	TO15	
Propylene	15.8	*0.581*	27.2	*1.00*	03/04/13	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	03/04/13	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	03/04/13	KCA	TO15	
Tetrachloroethene	2.58	*0.037*	17.5	*0.25*	03/04/13	KCA	TO15	
Tetrahydrofuran	0.84	*0.339*	2.48	*1.00*	03/04/13	KCA	TO15	1
Toluene	1.14	*0.266*	4.29	*1.00*	03/04/13	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	03/04/13	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	03/04/13	KCA	TO15	
Trichloroethene	0.08	*0.047*	0.430	*0.25*	03/04/13	KCA	TO15	
Trichlorofluoromethane	0.24	*0.178*	1.35	*1.00*	03/04/13	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	03/04/13	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	03/04/13	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	106	*%*	106	*%*	03/04/13	KCA	TO15	

Project ID: 85 4TH AVE. Phoenix I.D.: BD42108

Client ID: SG1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

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

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

Comments:

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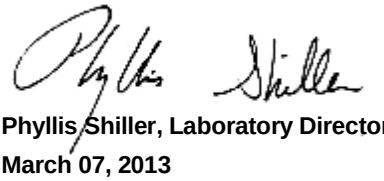

Phyllis Shiller, Laboratory Director

March 07, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 07, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KW	03/03/13	11:38
Location Code:	EBC	Received by:	LB	03/04/13	15:02
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD42108
Phoenix ID: BD42109

Project ID: 85 4TH AVE.
Client ID: SG2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	03/05/13	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	03/05/13	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	03/05/13	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	03/05/13	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	03/05/13	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	03/05/13	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	03/05/13	KCA	TO15	
1,2,4-Trimethylbenzene	0.34	*0.204*	1.67	*1.00*	03/05/13	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	03/05/13	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/05/13	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	03/05/13	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	03/05/13	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	03/05/13	KCA	TO15	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	03/05/13	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	03/05/13	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/05/13	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/05/13	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	03/05/13	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	03/05/13	KCA	TO15	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	03/05/13	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	03/05/13	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.27	*0.244*	1.10	*1.00*	03/05/13	KCA	TO15	
Acetone	5.17	*0.421*	12.3	*1.00*	03/05/13	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	03/05/13	KCA	TO15	
Benzene	0.95	*0.313*	3.03	*1.00*	03/05/13	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	03/05/13	KCA	TO15	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	03/05/13	KCA	TO15	

Project ID: 85 4TH AVE. Phoenix I.D.: BD42109

Client ID: SG2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromoform	ND	*0.097*	ND	*1.00*	03/05/13	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	03/05/13	KCA	TO15	
Carbon Disulfide	2.73	*0.321*	8.50	*1.00*	03/05/13	KCA	TO15	
Carbon Tetrachloride	ND	*0.040*	ND	*0.25*	03/05/13	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	03/05/13	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	03/05/13	KCA	TO15	
Chloroform	ND	*0.205*	ND	*1.00*	03/05/13	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	03/05/13	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	03/05/13	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	03/05/13	KCA	TO15	1
Cyclohexane	ND	*0.291*	ND	*1.00*	03/05/13	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	03/05/13	KCA	TO15	
Dichlorodifluoromethane	0.48	*0.202*	2.37	*1.00*	03/05/13	KCA	TO15	
Ethanol	12.5	*0.531*	23.5	*1.00*	03/05/13	KCA	TO15	1
Ethyl acetate	0.48	*0.278*	1.73	*1.00*	03/05/13	KCA	TO15	1
Ethylbenzene	0.77	*0.230*	3.34	*1.00*	03/05/13	KCA	TO15	
Heptane	3.37	*0.244*	13.8	*1.00*	03/05/13	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	03/05/13	KCA	TO15	
Hexane	ND	*0.284*	ND	*1.00*	03/05/13	KCA	TO15	
Isopropylalcohol	ND	*0.407*	ND	*1.00*	03/05/13	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	03/05/13	KCA	TO15	
m,p-Xylene	1.57	*0.230*	6.81	*1.00*	03/05/13	KCA	TO15	
Methyl Ethyl Ketone	0.44	*0.339*	1.30	*1.00*	03/05/13	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	03/05/13	KCA	TO15	
Methylene Chloride	ND	*0.288*	ND	*1.00*	03/05/13	KCA	TO15	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	03/05/13	KCA	TO15	1
o-Xylene	0.59	*0.230*	2.56	*1.00*	03/05/13	KCA	TO15	
Propylene	ND	*0.581*	ND	*1.00*	03/05/13	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	03/05/13	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	03/05/13	KCA	TO15	
Tetrachloroethene	2.5	*0.037*	16.9	*0.25*	03/05/13	KCA	TO15	
Tetrahydrofuran	0.47	*0.339*	1.38	*1.00*	03/05/13	KCA	TO15	1
Toluene	5.12	*0.266*	19.3	*1.00*	03/05/13	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	03/05/13	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	03/05/13	KCA	TO15	
Trichloroethene	ND	*0.047*	ND	*0.25*	03/05/13	KCA	TO15	
Trichlorofluoromethane	0.2	*0.178*	1.12	*1.00*	03/05/13	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	03/05/13	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	03/05/13	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	101	%	101	%	03/05/13	KCA	TO15	

Project ID: 85 4TH AVE. Phoenix I.D.: BD42109

Client ID: SG2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

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

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

Comments:

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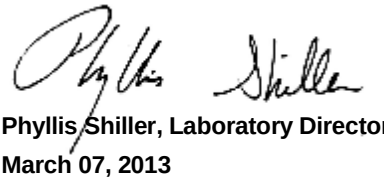

Phyllis Shiller, Laboratory Director

March 07, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 07, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KW	03/03/13	11:36
Location Code:	EBC	Received by:	LB	03/04/13	15:02
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD42108
Phoenix ID: BD42110

Project ID: 85 4TH AVE.
Client ID: SG4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	03/05/13	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	03/05/13	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	03/05/13	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	03/05/13	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	03/05/13	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	03/05/13	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	03/05/13	KCA	TO15	
1,2,4-Trimethylbenzene	0.57	*0.204*	2.80	*1.00*	03/05/13	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	03/05/13	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/05/13	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	03/05/13	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	03/05/13	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	03/05/13	KCA	TO15	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	03/05/13	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	03/05/13	KCA	TO15	
1,3-Dichlorobenzene	0.35	*0.166*	2.10	*1.00*	03/05/13	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/05/13	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	03/05/13	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	03/05/13	KCA	TO15	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	03/05/13	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	03/05/13	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.51	*0.244*	2.09	*1.00*	03/05/13	KCA	TO15	
Acetone	34.1	*0.421*	81.0	*1.00*	03/05/13	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	03/05/13	KCA	TO15	
Benzene	1.11	*0.313*	3.54	*1.00*	03/05/13	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	03/05/13	KCA	TO15	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	03/05/13	KCA	TO15	

Project ID: 85 4TH AVE. Phoenix I.D.: BD42110

Client ID: SG4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromoform	ND	*0.097*	ND	*1.00*	03/05/13	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	03/05/13	KCA	TO15	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	03/05/13	KCA	TO15	
Carbon Tetrachloride	0.08	*0.040*	0.503	*0.25*	03/05/13	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	03/05/13	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	03/05/13	KCA	TO15	
Chloroform	0.23	*0.205*	1.12	*1.00*	03/05/13	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	03/05/13	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	03/05/13	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	03/05/13	KCA	TO15	1
Cyclohexane	ND	*0.291*	ND	*1.00*	03/05/13	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	03/05/13	KCA	TO15	
Dichlorodifluoromethane	0.44	*0.202*	2.17	*1.00*	03/05/13	KCA	TO15	
Ethanol	15.6	*0.531*	29.4	*1.00*	03/05/13	KCA	TO15	1
Ethyl acetate	0.51	*0.278*	1.84	*1.00*	03/05/13	KCA	TO15	1
Ethylbenzene	0.65	*0.230*	2.82	*1.00*	03/05/13	KCA	TO15	
Heptane	3.67	*0.244*	15.0	*1.00*	03/05/13	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	03/05/13	KCA	TO15	
Hexane	ND	*0.284*	ND	*1.00*	03/05/13	KCA	TO15	
Isopropylalcohol	6.73	*0.407*	16.5	*1.00*	03/05/13	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	03/05/13	KCA	TO15	
m,p-Xylene	1.21	*0.230*	5.25	*1.00*	03/05/13	KCA	TO15	
Methyl Ethyl Ketone	5.65	*0.339*	16.6	*1.00*	03/05/13	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	03/05/13	KCA	TO15	
Methylene Chloride	ND	*0.288*	ND	*1.00*	03/05/13	KCA	TO15	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	03/05/13	KCA	TO15	1
o-Xylene	0.61	*0.230*	2.65	*1.00*	03/05/13	KCA	TO15	
Propylene	44.4	*0.581*	76.4	*1.00*	03/05/13	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	03/05/13	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	03/05/13	KCA	TO15	
Tetrachloroethene	0.12	*0.037*	0.813	*0.25*	03/05/13	KCA	TO15	
Tetrahydrofuran	0.77	*0.339*	2.27	*1.00*	03/05/13	KCA	TO15	1
Toluene	0.99	*0.266*	3.73	*1.00*	03/05/13	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	03/05/13	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	03/05/13	KCA	TO15	
Trichloroethene	ND	*0.047*	ND	*0.25*	03/05/13	KCA	TO15	
Trichlorofluoromethane	0.22	*0.178*	1.24	*1.00*	03/05/13	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	03/05/13	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	03/05/13	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	100	*%*	100	*%*	03/05/13	KCA	TO15	

Project ID: 85 4TH AVE. Phoenix I.D.: BD42110

Client ID: SG4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

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

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

Comments:

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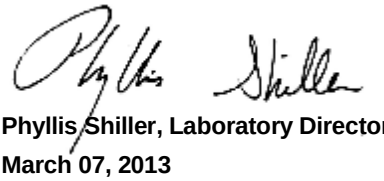

Phyllis Shiller, Laboratory Director

March 07, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 07, 2013

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KW	03/03/13	11:44
Location Code:	EBC	Received by:	LB	03/04/13	15:02
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD42108
Phoenix ID: BD42111

Project ID: 85 4TH AVE.
Client ID: SG5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	03/05/13	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	03/05/13	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	03/05/13	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	03/05/13	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	03/05/13	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	03/05/13	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	03/05/13	KCA	TO15	
1,2,4-Trimethylbenzene	0.27	*0.204*	1.33	*1.00*	03/05/13	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	03/05/13	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/05/13	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	03/05/13	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	03/05/13	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	03/05/13	KCA	TO15	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	03/05/13	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	03/05/13	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/05/13	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	03/05/13	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	03/05/13	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	03/05/13	KCA	TO15	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	03/05/13	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	03/05/13	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	03/05/13	KCA	TO15	
Acetone	29	*0.421*	68.8	*1.00*	03/05/13	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	03/05/13	KCA	TO15	
Benzene	0.52	*0.313*	1.66	*1.00*	03/05/13	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	03/05/13	KCA	TO15	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	03/05/13	KCA	TO15	

Project ID: 85 4TH AVE. Phoenix I.D.: BD42111

Client ID: SG5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromoform	ND	*0.097*	ND	*1.00*	03/05/13	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	03/05/13	KCA	TO15	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	03/05/13	KCA	TO15	
Carbon Tetrachloride	0.07	*0.040*	0.440	*0.25*	03/05/13	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	03/05/13	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	03/05/13	KCA	TO15	
Chloroform	ND	*0.205*	ND	*1.00*	03/05/13	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	03/05/13	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	03/05/13	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	03/05/13	KCA	TO15	1
Cyclohexane	ND	*0.291*	ND	*1.00*	03/05/13	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	03/05/13	KCA	TO15	
Dichlorodifluoromethane	0.5	*0.202*	2.47	*1.00*	03/05/13	KCA	TO15	
Ethanol	34.9	*0.531*	65.7	*1.00*	03/05/13	KCA	TO15	1
Ethyl acetate	0.37	*0.278*	1.33	*1.00*	03/05/13	KCA	TO15	1
Ethylbenzene	0.36	*0.230*	1.56	*1.00*	03/05/13	KCA	TO15	
Heptane	2.02	*0.244*	8.27	*1.00*	03/05/13	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	03/05/13	KCA	TO15	
Hexane	ND	*0.284*	ND	*1.00*	03/05/13	KCA	TO15	
Isopropylalcohol	1.24	*0.407*	3.05	*1.00*	03/05/13	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	03/05/13	KCA	TO15	
m,p-Xylene	0.83	*0.230*	3.60	*1.00*	03/05/13	KCA	TO15	
Methyl Ethyl Ketone	1.96	*0.339*	5.78	*1.00*	03/05/13	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	03/05/13	KCA	TO15	
Methylene Chloride	ND	*0.288*	ND	*1.00*	03/05/13	KCA	TO15	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	03/05/13	KCA	TO15	1
o-Xylene	0.34	*0.230*	1.48	*1.00*	03/05/13	KCA	TO15	
Propylene	1.59	*0.581*	2.73	*1.00*	03/05/13	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	03/05/13	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	03/05/13	KCA	TO15	
Tetrachloroethene	0.08	*0.037*	0.542	*0.25*	03/05/13	KCA	TO15	
Tetrahydrofuran	1.64	*0.339*	4.83	*1.00*	03/05/13	KCA	TO15	1
Toluene	1.08	*0.266*	4.07	*1.00*	03/05/13	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	03/05/13	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	03/05/13	KCA	TO15	
Trichloroethene	ND	*0.047*	ND	*0.25*	03/05/13	KCA	TO15	
Trichlorofluoromethane	0.37	*0.178*	2.08	*1.00*	03/05/13	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	03/05/13	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	03/05/13	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	103	*%*	103	*%*	03/05/13	KCA	TO15	

Project ID: 85 4TH AVE. Phoenix I.D.: BD42111

Client ID: SG5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

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

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

Comments:

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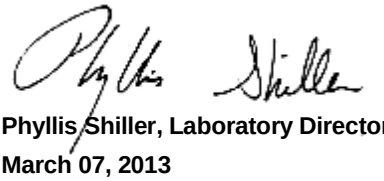


Phyllis Shiller, Laboratory Director

March 07, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 07, 2013

QA/QC Data

SDG I.D.: GBD42108

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 222748, QC Sample No: BD42108 (BD42108, BD42109, BD42110, BD42111)										
Volatiles										
1,1,1,2-Tetrachloroethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
1,1,2-Trichloroethane	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethane	ND	ND	115	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethene	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	74	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	104	2.21	2.85	0.45	0.58	25.2	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	113	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
1,3-Butadiene	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	101	2.58	2.58	0.43	0.43	0.0	70 - 130	20
1,4-Dichlorobenzene	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	ND	117	ND	ND	ND	ND	NC	70 - 130	20
4-Ethyltoluene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
4-Isopropyltoluene	ND	ND	113	ND	ND	ND	ND	NC	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	119	1.47	1.35	0.36	0.33	8.7	70 - 130	20
Acetone	ND	ND	109	45.3	44.2	19.1	18.6	2.7	70 - 130	20
Acrylonitrile	ND	ND	113	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	97	3.06	3.10	0.96	0.97	1.0	70 - 130	20
Benzyl chloride	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	114	ND	ND	ND	ND	NC	70 - 130	20
Bromoform	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Carbon Tetrachloride	ND	ND	102	0.377	0.377	0.06	0.06	0.0	70 - 130	20
Chlorobenzene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	106	5.71	5.42	1.17	1.11	5.3	70 - 130	20
Chloromethane	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	118	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	95	ND	ND	ND	ND	NC	70 - 130	20
Dibromochloromethane	ND	ND	114	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	109	2.47	2.22	0.5	0.45	10.5	70 - 130	20
Ethanol	ND	ND	107	39.9	38.2	21.2	20.3	4.3	70 - 130	20

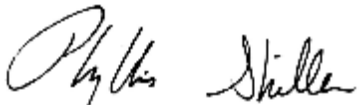
QA/QC Data

SDG I.D.: GBD42108

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethyl acetate	ND	ND	110	3.10	3.06	0.86	0.85	1.2	70 - 130	20
Ethylbenzene	ND	ND	99	2.65	2.69	0.61	0.62	1.6	70 - 130	20
Heptane	ND	ND	123	17.4	17.7	4.25	4.32	1.6	70 - 130	20
Hexachlorobutadiene	ND	ND	72	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
Isopropylalcohol	ND	ND	112	5.40	5.23	2.2	2.13	3.2	70 - 130	20
Isopropylbenzene	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
m,p-Xylene	ND	ND	104	5.77	5.90	1.33	1.36	2.2	70 - 130	20
Methyl Ethyl Ketone	ND	ND	118	4.92	5.13	1.67	1.74	4.1	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
n-Butylbenzene	ND	ND	111	ND	ND	ND	ND	NC	70 - 130	20
o-Xylene	ND	ND	102	2.56	2.60	0.59	0.6	1.7	70 - 130	20
Propylene	ND	ND	107	27.2	21.8	15.8	12.7	21.8	70 - 130	20
sec-Butylbenzene	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
Styrene	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
Tetrachloroethene	ND	ND	107	17.5	17.1	2.58	2.53	2.0	70 - 130	20
Tetrahydrofuran	ND	ND	110	2.48	2.42	0.84	0.82	2.4	70 - 130	20
Toluene	ND	ND	106	4.29	4.33	1.14	1.15	0.9	70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	ND	110	0.430	ND	0.08	ND	NC	70 - 130	20
Trichlorofluoromethane	ND	ND	110	1.46	1.24	0.26	0.22	16.7	70 - 130	20
Trichlorotrifluoroethane	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
Vinyl Chloride	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
% Bromofluorobenzene	77	77	105	106	104	106	104	1.9	70 - 130	20

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

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



Phyllis Shiller, Laboratory Director
March 07, 2013

Sample Criteria Exceedences Report

GBD42108 - EBC

Requested Criteria: None

State: NY

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

*** No Data to Display ***

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD AIR ANALYSES

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-1102

Data Delivery:
☐ Fax #: _____
☑ Email: CSOSIK@EBCINCNY.com

Report to:	EBC	Invoice to:	EBC	Project Name:	85 4th Ave
Address:	1808 Middle Country Road, Ridge, NY	Address:	same	Location:	"
Project Mgr:	Kevin Brussee	P.O. #		State:	NY
Phone #	631 504 600	Quote #		Sampled by:	KW

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15	Is Canister Returned Unused? Y/N
		LAB USE ONLY											MATRIX			ANALYSES		
42108	S91	474	6	-4		5656		915	415	3-3	-28	-5				X		
42109	S92	483	6	-5		5650		946	1138	"	-28	-7				X		
~~42110~~	S93	13642	6			—		1000	—	"	-29	-29 * no work				X		
42110	S94	0217	6	-3		5859		927	436	"	-28	4				X		
42111	S95	13633	6	0		2864		938	1144	V	-24	0				X		
																		Y
		12869																

Relinquished by:	Accepted by:	Date:	Time:
		3-4-13	1035
		3-4-13	1502

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

* S93 - did not work - no flow change on Regulator

Criteria Requested: Deliverable:
RCP ☐
MCP ☐
State where samples collected: NY

Data Format:
Excel ☑ Equis ☐
PDF ☑ Other: ☐
GISKey ☐

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: _____ Date: